TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

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TestAmerica Job ID: 580-76830-3
Client Project/Site: Portland Harbor Pre-Remedial Design
Revision: 1

For:
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Authorized for release by:
7/25/2018 4:26:09 PM

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Results relate only to the items tested and the sample(s) as received by the laboratory.

Table of Contents

Cover Page 1
Table of Contents 2
Case Narrative 3
Definitions 5
Client Sample Results 7
QC Sample Results 147
Chronicle 174
Certification Summary 180
Sample Summary 181
Chain of Custody 182
Receipt Checklists 192
Correspondence 193
Isotope Dilution Summary 201

Job ID: 580-76830-3

Laboratory: TestAmerica Seattle

Narrative

CASE NARRATIVE
Client: AECOM
Project: Portland Harbor Pre-Remedial Design
Report Number: 580-76830-3

REVISION 1: JULY 25, 2018
This report was revised to include the Estimated Maximum Possible Concentrations (EMPCs) for PCB 5 and/or PCB 159 where the original values were outside the theoretical ion ratio limits and were not being adjusted to reflect the EMPC values.

This report was revised to correct results which were originally reported using zero area of one of the two masses used for quantitation.

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

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

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

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

RECEIPT
Twenty-nine samples were received on 4/25/2018 1:55 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 6 coolers at receipt time were 0.2º C, 2.2º C, 5.1º C, 6.0º C, 6.4º C and 6.9º C.

A sample container was provided to be archived frozen at the TestAmerica Sacramento laboratory pending potential additional analyses.

This report contains results of PCB Congeners by Method 1668A, performed by TestAmerica Knoxville.

The parent sample was not included in the cooler for sample PDI-SG-B240-BL1-D. Per client request, this duplicate sample was removed from this job and added to the parent sample job received on a different day.

Also not received in the cooler were samples PDI-SG-RB-VV-042318-1730 and PDI-SB-RB-VV-180423-1700. The COC was revised per client request.

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

POLYCHLORINATED BIPHENYLS CONGENERS (PCBS)
Samples PDI-SG-B291-BL1 (580-76830-1), PDI-SG-B292-BL1 (580-76830-2), PDI-SG-B306-BL1 (580-76830-3), PDI-SG-B323-BL1 (580-76830-4), PDI-SG-B329-BL1 (580-76830-5), PDI-SG-B334-BL1 (580-76830-6), PDI-SG-B346-BL1 (580-76830-7), PDI-SG-B265-BL1 (580-76830-8), PDI-SG-B271-BL1 (580-76830-9), PDI-SG-B273-BL1 (580-76830-10), PDI-SG-B279-BL1 (580-76830-11), PDI-SG-B280-BL1 (580-76830-12), PDI-SG-B260-BL1 (580-76830-13), PDI-SG-B352-BL1 (580-76830-14), PDI-SG-B366-BL1 (580-76830-15), PDI-SG-B366-BL1-D (580-76830-16), PDI-SG-B357-BL1 (580-76830-17), PDI-SG-B384-BL1 (580-76830-18), PDI-SG-B378-BL1 (580-76830-19), PDI-SG-B284-BL1 (580-76830-20), PDI-SG-B288-BL1 (580-76830-21), PDI-SG-B294-BL1 (580-76830-22), PDI-SG-B296-BL1 (580-76830-23), PDI-SG-B302-BL1 (580-76830-24), PDI-SG-B303-BL1 (580-76830-25),

Job ID: 580-76830-3 (Continued)

Laboratory: TestAmerica Seattle (Continued)

PDI-SG-B237-BL1 (580-76830-26), PDI-SG-B233-BL1 (580-76830-27) and PDI-SG-B243-BL1 (580-76830-29) were analyzed for polychlorinated biphenyls congeners (PCBs) in accordance with EPA Method 1668A. The samples were prepared on 05/03/2018 and 05/08/2018 and analyzed on 05/13/2018, 05/14/2018, 05/15/2018, 05/16/2018, 05/17/2018 and 05/18/2018.

Several analytes were detected in method blank MB 140-20049/16-B at levels that were above the method detection limit but below the reporting limit. The values should be considered estimates, and have been flagged. If the associated sample reported a result above the MDL and/or RL, the result has been flagged.

Several analytes were detected in method blank MB 140-20064/16-B at levels that were above the method detection limit but below the reporting limit. The values should be considered estimates, and have been flagged. If the associated sample reported a result above the MDL and/or RL, the result has been flagged.

Several analytes were detected in method blank MB 140-20159/16-B at levels that were above the method detection limit but below the reporting limit. The values should be considered estimates, and have been flagged. If the associated sample reported a result above the MDL and/or RL, the result has been flagged.

Several analytes failed the recovery criteria high for the MS of sample PDI-SG-B288-BL1MS (580-76830-21) in batch 140-20361. Several analytes failed the recovery criteria high for the MSD of sample PDI-SG-B288-BL1MSD (580-76830-21) in batch 140-20361. Several analytes exceeded the RPD limit.

The presence of the '4' qualifier indicates analytes where the concentration in the unspiked sample exceeded four times the spiking amount.

The ion abundance ratio(s) is outside criteria for the Internal Standard(s) associated with the following samples: PDI-SG-B292-BL1 (580-76830-2) and PDI-SG-B260-BL1 (580-76830-13). The theoretical area for the Internal Standard(s) was used to quantitate the related Isotope Dilution Analytes (IDA) recoveries.

Ion abundance ratios are outside criteria for the Isotope Dilution Analyte (IDA) associated with the following samples: PDI-SG-B271-BL1 (580-76830-9), PDI-SG-B273-BL1 (580-76830-10), PDI-SG-B280-BL1 (580-76830-12) and PDI-SG-B260-BL1 (580-76830-13).

The following samples exhibited elevated noise or matrix interferences for one or more analytes causing elevation of the detection limit (EDL): PDI-SG-B284-BL1 (580-76830-20), PDI-SG-B288-BL1 (580-76830-21), PDI-SG-B294-BL1 (580-76830-22), PDI-SG-B296-BL1 (580-76830-23), PDI-SG-B302-BL1 (580-76830-24), and PDI-SG-B303-BL1 (580-76830-25). The reporting limit (RL) for the affected analytes has been raised to be equal to the EDL, and a "G" qualifier applied.

An Isotope Dilution Analyte (IDA) recovery is above the method recommended limit for the following sample: PDI-SG-B233-BL1 (580-76830-27). Quantitation by isotope dilution generally precludes any adverse effect on data quality due to elevated IDA recoveries.

Samples PDI-SG-B292-BL1 (580-76830-2)[10X], PDI-SG-B265-BL1 (580-76830-8)[5X], PDI-SG-B271-BL1 (580-76830-9)[5X], PDI-SG-B273-BL1 (580-76830-10)[10X], PDI-SG-B279-BL1 (580-76830-11)[10X], PDI-SG-B280-BL1 (580-76830-12)[10X] and PDI-SG-B260-BL1 (580-76830-13)[10X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

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

Qualifiers

Dioxin

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
q	The reported result is the estimated maximum possible concentration of this analyte, quantitated using the theoretical ion ratio. The measured ion ratio does not meet qualitative identification criteria and indicates a possible interference.
C93	The compound co-eluted with PCB-93
B	Compound was found in the blank and sample.
C90	The compound co-eluted with PCB-90
C98	The compound co-eluted with PCB-98
C	The compound co-eluted with other compounds
C86	The compound co-eluted with PCB-86
C110	The compound co-eluted with PCB-110
C85	The compound co-eluted with PCB-85
C108	The compound co-eluted with PCB-108
C12	The compound co-eluted with PCB-12
C129	The compound co-eluted with PCB-129
C139	The compound co-eluted with PCB-139
C134	The compound co-eluted with PCB-134
C147	The compound co-eluted with PCB-147
C135	The compound co-eluted with PCB-135
C156	The compound co-eluted with PCB-156
C128	The compound co-eluted with PCB-128
C153	The compound co-eluted with PCB-153
C171	The compound co-eluted with PCB-171
C183	The compound co-eluted with PCB-183
C180	The compound co-eluted with PCB-180
C198	The compound co-eluted with PCB-198
C20	The compound co-eluted with PCB-20
C26	The compound co-eluted with PCB-26
C18	The compound co-eluted with PCB-18
C21	The compound co-eluted with PCB-21
C40	The compound co-eluted with PCB-40
C44	The compound co-eluted with PCB-44
C45	The compound co-eluted with PCB-45
C50	The compound co-eluted with PCB-50
C59	The compound co-eluted with PCB-59
C49	The compound co-eluted with PCB-49
C61	The compound co-eluted with PCB-61
C43	The compound co-eluted with PCB-43
C88	The compound co-eluted with PCB-88
C83	The compound co-eluted with PCB-83
I	Value is EMPC (estimated maximum possible concentration).
G	The reported quantitation limit has been raised due to an exhibited elevated noise or matrix interference
F1	MS and/or MSD Recovery is outside acceptance limits.
F2	MS/MSD RPD exceeds control limits
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
S	Ion suppression
*	Isotope Dilution analyte is outside acceptance limits.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Client Sample ID: PDI-SG-B291-BL1
Date Collected: 04/23/18 09:56
Date Received: 04/25/18 13:55

Lab Sample ID: 580-76830-1
Matrix: Solid
Percent Solids: 45.1

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1	0.0055	J q	0.011	0.00036	ng/g	☼	05/03/18 12:25	05/13/18 16:37	1
PCB-2	0.013	q B	0.011	0.00039	ng/g	☼	05/03/18 12:25	05/13/18 16:37	1
PCB-3	0.0083	J q	0.011	0.00041	ng/g	☼	05/03/18 12:25	05/13/18 16:37	1
PCB-4	0.033		0.022	0.0038	ng/g	☼	05/03/18 12:25	05/13/18 16:37	1
PCB-5	ND		0.011	0.0028	ng/g	☼	05/03/18 12:25	05/13/18 16:37	1
PCB-6	0.021	q	0.011	0.0025	ng/g	☼	05/03/18 12:25	05/13/18 16:37	1
PCB-7	ND		0.011	0.0025	ng/g	☼	05/03/18 12:25	05/13/18 16:37	1
PCB-8	0.098		0.022	0.0023	ng/g	☼	05/03/18 12:25	05/13/18 16:37	1
PCB-9	0.0038	J q	0.011	0.0026	ng/g	☼	05/03/18 12:25	05/13/18 16:37	1
PCB-10	ND		0.011	0.0028	ng/g	☼	05/03/18 12:25	05/13/18 16:37	1
PCB-11	0.086	B	0.022	0.0024	ng/g	☼	05/03/18 12:25	05/13/18 16:37	1
PCB-12	0.011	J q C	0.022	0.0025	ng/g	☼	05/03/18 12:25	05/13/18 16:37	1
PCB-13	0.011	J q C12	0.022	0.0025	ng/g	☼	05/03/18 12:25	05/13/18 16:37	1
PCB-14	ND		0.011	0.0021	ng/g	☼	05/03/18 12:25	05/13/18 16:37	1
PCB-15	0.097		0.011	0.0024	ng/g	☼	05/03/18 12:25	05/13/18 16:37	1
PCB-16	0.075		0.011	0.00054	ng/g	☼	05/03/18 12:25	05/13/18 16:37	1
PCB-17	0.12		0.011	0.00048	ng/g	☼	05/03/18 12:25	05/13/18 16:37	1
PCB-18	0.17	C	0.022	0.00042	ng/g	☼	05/03/18 12:25	05/13/18 16:37	1
PCB-19	0.025	q	0.011	0.00059	ng/g	☼	05/03/18 12:25	05/13/18 16:37	1
PCB-20	0.49	C	0.022	0.00094	ng/g	☼	05/03/18 12:25	05/13/18 16:37	1
PCB-21	0.20	C	0.022	0.00092	ng/g	☼	05/03/18 12:25	05/13/18 16:37	1
PCB-22	0.13		0.011	0.00096	ng/g	☼	05/03/18 12:25	05/13/18 16:37	1
PCB-23	ND		0.011	0.00095	ng/g	☼	05/03/18 12:25	05/13/18 16:37	1
PCB-24	0.0029	J q	0.011	0.00040	ng/g	☼	05/03/18 12:25	05/13/18 16:37	1
PCB-25	0.034		0.011	0.00087	ng/g	☼	05/03/18 12:25	05/13/18 16:37	1
PCB-26	0.061	C	0.022	0.00092	ng/g	☼	05/03/18 12:25	05/13/18 16:37	1
PCB-27	0.017		0.011	0.00035	ng/g	☼	05/03/18 12:25	05/13/18 16:37	1
PCB-28	0.49	C20	0.022	0.00094	ng/g	☼	05/03/18 12:25	05/13/18 16:37	1
PCB-29	0.061	C26	0.022	0.00092	ng/g	☼	05/03/18 12:25	05/13/18 16:37	1
PCB-30	0.17	C18	0.022	0.00042	ng/g	☼	05/03/18 12:25	05/13/18 16:37	1
PCB-31	0.34		0.022	0.00091	ng/g	☼	05/03/18 12:25	05/13/18 16:37	1
PCB-32	0.077		0.011	0.00033	ng/g	☼	05/03/18 12:25	05/13/18 16:37	1
PCB-33	0.20	C21	0.022	0.00092	ng/g	☼	05/03/18 12:25	05/13/18 16:37	1
PCB-34	ND		0.011	0.00099	ng/g	☼	05/03/18 12:25	05/13/18 16:37	1
PCB-35	0.0045	J	0.011	0.00096	ng/g	☼	05/03/18 12:25	05/13/18 16:37	1
PCB-36	ND		0.011	0.00092	ng/g	☼	05/03/18 12:25	05/13/18 16:37	1
PCB-37	0.15		0.011	0.00095	ng/g	☼	05/03/18 12:25	05/13/18 16:37	1
PCB-38	ND		0.011	0.0010	ng/g	☼	05/03/18 12:25	05/13/18 16:37	1
PCB-39	ND		0.011	0.00089	ng/g	☼	05/03/18 12:25	05/13/18 16:37	1
PCB-40	0.21	C	0.033	0.0020	ng/g	☼	05/03/18 12:25	05/13/18 16:37	1
PCB-41	0.21	C40	0.033	0.0020	ng/g	☼	05/03/18 12:25	05/13/18 16:37	1
PCB-42	ND		0.011	0.0020	ng/g	☼	05/03/18 12:25	05/13/18 16:37	1
PCB-43	0.013	J C	0.022	0.0019	ng/g	☼	05/03/18 12:25	05/13/18 16:37	1
PCB-44	0.41	C B	0.033	0.0018	ng/g	☼	05/03/18 12:25	05/13/18 16:37	1
PCB-45	0.074	C	0.022	0.0021	ng/g	☼	05/03/18 12:25	05/13/18 16:37	1
PCB-46	0.022		0.011	0.0026	ng/g	☼	05/03/18 12:25	05/13/18 16:37	1
PCB-47	0.41	C44 B	0.033	0.0018	ng/g	☼	05/03/18 12:25	05/13/18 16:37	1
PCB-48	0.079		0.011	0.0020	ng/g	☼	05/03/18 12:25	05/13/18 16:37	1
PCB-49	0.26	C	0.022	0.0016	ng/g	☼	05/03/18 12:25	05/13/18 16:37	1

Client Sample ID: PDI-SG-B291-BL1
Date Collected: 04/23/18 09:56
Date Received: 04/25/18 13:55

Lab Sample ID: 580-76830-1
Matrix: Solid
Percent Solids: 45.1

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-50	0.058	C	0.022	0.0020	ng/g	☼	05/03/18 12:25	05/13/18 16:37	1
PCB-51	0.074	C45	0.022	0.0021	ng/g	☼	05/03/18 12:25	05/13/18 16:37	1
PCB-52	0.46		0.011	0.0020	ng/g	☼	05/03/18 12:25	05/13/18 16:37	1
PCB-53	0.058	C50	0.022	0.0020	ng/g	☼	05/03/18 12:25	05/13/18 16:37	1
PCB-54	0.0034	J	0.011	0.000063	ng/g	☼	05/03/18 12:25	05/13/18 16:37	1
PCB-55	0.0040	J q	0.011	0.0015	ng/g	☼	05/03/18 12:25	05/13/18 16:37	1
PCB-56	0.20		0.011	0.0015	ng/g	☼	05/03/18 12:25	05/13/18 16:37	1
PCB-57	ND		0.011	0.0015	ng/g	☼	05/03/18 12:25	05/13/18 16:37	1
PCB-58	ND		0.011	0.0015	ng/g	☼	05/03/18 12:25	05/13/18 16:37	1
PCB-59	0.035	C	0.033	0.0014	ng/g	☼	05/03/18 12:25	05/13/18 16:37	1
PCB-60	0.071		0.011	0.0015	ng/g	☼	05/03/18 12:25	05/13/18 16:37	1
PCB-61	0.74	C B	0.044	0.0014	ng/g	☼	05/03/18 12:25	05/13/18 16:37	1
PCB-62	0.035	C59	0.033	0.0014	ng/g	☼	05/03/18 12:25	05/13/18 16:37	1
PCB-63	0.016		0.011	0.0014	ng/g	☼	05/03/18 12:25	05/13/18 16:37	1
PCB-64	0.16		0.011	0.0013	ng/g	☼	05/03/18 12:25	05/13/18 16:37	1
PCB-65	0.41	C44 B	0.033	0.0018	ng/g	☼	05/03/18 12:25	05/13/18 16:37	1
PCB-66	0.46		0.011	0.0014	ng/g	☼	05/03/18 12:25	05/13/18 16:37	1
PCB-67	0.012		0.011	0.0013	ng/g	☼	05/03/18 12:25	05/13/18 16:37	1
PCB-68	ND		0.011	0.0013	ng/g	☼	05/03/18 12:25	05/13/18 16:37	1
PCB-69	0.26	C49	0.022	0.0016	ng/g	☼	05/03/18 12:25	05/13/18 16:37	1
PCB-70	0.74	C61 B	0.044	0.0014	ng/g	☼	05/03/18 12:25	05/13/18 16:37	1
PCB-71	0.21	C40	0.033	0.0020	ng/g	☼	05/03/18 12:25	05/13/18 16:37	1
PCB-72	0.0063	J	0.011	0.0015	ng/g	☼	05/03/18 12:25	05/13/18 16:37	1
PCB-73	0.013	J C43	0.022	0.0019	ng/g	☼	05/03/18 12:25	05/13/18 16:37	1
PCB-74	0.74	C61 B	0.044	0.0014	ng/g	☼	05/03/18 12:25	05/13/18 16:37	1
PCB-75	0.035	C59	0.033	0.0014	ng/g	☼	05/03/18 12:25	05/13/18 16:37	1
PCB-76	0.74	C61 B	0.044	0.0014	ng/g	☼	05/03/18 12:25	05/13/18 16:37	1
PCB-77	0.046	B	0.011	0.0014	ng/g	☼	05/03/18 12:25	05/13/18 16:37	1
PCB-78	ND		0.011	0.0015	ng/g	☼	05/03/18 12:25	05/13/18 16:37	1
PCB-79	ND		0.011	0.0013	ng/g	☼	05/03/18 12:25	05/13/18 16:37	1
PCB-80	ND		0.011	0.0013	ng/g	☼	05/03/18 12:25	05/13/18 16:37	1
PCB-81	ND		0.011	0.0014	ng/g	☼	05/03/18 12:25	05/13/18 16:37	1
PCB-82	0.077	q	0.011	0.00053	ng/g	☼	05/03/18 12:25	05/13/18 16:37	1
PCB-83	0.44	C	0.022	0.00048	ng/g	☼	05/03/18 12:25	05/13/18 16:37	1
PCB-84	0.15	B	0.011	0.00054	ng/g	☼	05/03/18 12:25	05/13/18 16:37	1
PCB-85	0.13	C	0.033	0.00039	ng/g	☼	05/03/18 12:25	05/13/18 16:37	1
PCB-86	0.41	C B	0.066	0.00040	ng/g	☼	05/03/18 12:25	05/13/18 16:37	1
PCB-87	0.41	C86 B	0.066	0.00040	ng/g	☼	05/03/18 12:25	05/13/18 16:37	1
PCB-88	0.11	C	0.022	0.00048	ng/g	☼	05/03/18 12:25	05/13/18 16:37	1
PCB-89	0.0092	J q	0.011	0.00052	ng/g	☼	05/03/18 12:25	05/13/18 16:37	1
PCB-90	0.67	C B	0.033	0.00040	ng/g	☼	05/03/18 12:25	05/13/18 16:37	1
PCB-91	0.11	C88	0.022	0.00048	ng/g	☼	05/03/18 12:25	05/13/18 16:37	1
PCB-92	0.12		0.011	0.00046	ng/g	☼	05/03/18 12:25	05/13/18 16:37	1
PCB-93	0.016	J C	0.022	0.00046	ng/g	☼	05/03/18 12:25	05/13/18 16:37	1
PCB-94	ND		0.011	0.00052	ng/g	☼	05/03/18 12:25	05/13/18 16:37	1
PCB-95	0.49	B	0.011	0.00050	ng/g	☼	05/03/18 12:25	05/13/18 16:37	1
PCB-96	0.0066	J	0.011	0.00039	ng/g	☼	05/03/18 12:25	05/13/18 16:37	1
PCB-97	0.41	C86 B	0.066	0.00040	ng/g	☼	05/03/18 12:25	05/13/18 16:37	1
PCB-98	0.022	C	0.022	0.00045	ng/g	☼	05/03/18 12:25	05/13/18 16:37	1

Client Sample ID: PDI-SG-B291-BL1
Date Collected: 04/23/18 09:56
Date Received: 04/25/18 13:55

Lab Sample ID: 580-76830-1
Matrix: Solid
Percent Solids: 45.1

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-99	0.44	C83	0.022	0.00048	ng/g	☼	05/03/18 12:25	05/13/18 16:37	1
PCB-100	0.016	J C93	0.022	0.00046	ng/g	☼	05/03/18 12:25	05/13/18 16:37	1
PCB-101	0.67	C90 B	0.033	0.00040	ng/g	☼	05/03/18 12:25	05/13/18 16:37	1
PCB-102	0.022	C98	0.022	0.00045	ng/g	☼	05/03/18 12:25	05/13/18 16:37	1
PCB-103	0.011	q	0.011	0.00046	ng/g	☼	05/03/18 12:25	05/13/18 16:37	1
PCB-104	ND		0.011	0.00035	ng/g	☼	05/03/18 12:25	05/13/18 16:37	1
PCB-105	0.23	B	0.011	0.0017	ng/g	☼	05/03/18 12:25	05/13/18 16:37	1
PCB-106	ND		0.011	0.0017	ng/g	☼	05/03/18 12:25	05/13/18 16:37	1
PCB-107	0.051		0.011	0.0019	ng/g	☼	05/03/18 12:25	05/13/18 16:37	1
PCB-108	0.021	J C	0.022	0.0018	ng/g	☼	05/03/18 12:25	05/13/18 16:37	1
PCB-109	0.41	C86 B	0.066	0.00040	ng/g	☼	05/03/18 12:25	05/13/18 16:37	1
PCB-110	0.76	C B	0.022	0.00034	ng/g	☼	05/03/18 12:25	05/13/18 16:37	1
PCB-111	ND		0.011	0.00032	ng/g	☼	05/03/18 12:25	05/13/18 16:37	1
PCB-112	ND		0.011	0.00034	ng/g	☼	05/03/18 12:25	05/13/18 16:37	1
PCB-113	0.67	C90 B	0.033	0.00040	ng/g	☼	05/03/18 12:25	05/13/18 16:37	1
PCB-114	0.012	q	0.011	0.0017	ng/g	☼	05/03/18 12:25	05/13/18 16:37	1
PCB-115	0.76	C110 B	0.022	0.00034	ng/g	☼	05/03/18 12:25	05/13/18 16:37	1
PCB-116	0.13	C85	0.033	0.00039	ng/g	☼	05/03/18 12:25	05/13/18 16:37	1
PCB-117	0.13	C85	0.033	0.00039	ng/g	☼	05/03/18 12:25	05/13/18 16:37	1
PCB-118	0.59	B	0.011	0.0016	ng/g	☼	05/03/18 12:25	05/13/18 16:37	1
PCB-119	0.41	C86 B	0.066	0.00040	ng/g	☼	05/03/18 12:25	05/13/18 16:37	1
PCB-120	0.0042	J q	0.011	0.00033	ng/g	☼	05/03/18 12:25	05/13/18 16:37	1
PCB-121	ND		0.011	0.00034	ng/g	☼	05/03/18 12:25	05/13/18 16:37	1
PCB-122	0.0088	J	0.011	0.0020	ng/g	☼	05/03/18 12:25	05/13/18 16:37	1
PCB-123	0.011	B	0.011	0.0018	ng/g	☼	05/03/18 12:25	05/13/18 16:37	1
PCB-124	0.021	J C108	0.022	0.0018	ng/g	☼	05/03/18 12:25	05/13/18 16:37	1
PCB-125	0.41	C86 B	0.066	0.00040	ng/g	☼	05/03/18 12:25	05/13/18 16:37	1
PCB-126	ND		0.011	0.0018	ng/g	☼	05/03/18 12:25	05/13/18 16:37	1
PCB-127	ND		0.011	0.0017	ng/g	☼	05/03/18 12:25	05/13/18 16:37	1
PCB-128	0.13	C B	0.022	0.0032	ng/g	☼	05/03/18 12:25	05/13/18 16:37	1
PCB-129	0.95	C B	0.044	0.0033	ng/g	☼	05/03/18 12:25	05/13/18 16:37	1
PCB-130	0.060		0.011	0.0044	ng/g	☼	05/03/18 12:25	05/13/18 16:37	1
PCB-131	ND		0.011	0.0046	ng/g	☼	05/03/18 12:25	05/13/18 16:37	1
PCB-132	0.28		0.011	0.0043	ng/g	☼	05/03/18 12:25	05/13/18 16:37	1
PCB-133	0.012	q	0.011	0.0041	ng/g	☼	05/03/18 12:25	05/13/18 16:37	1
PCB-134	0.043	C	0.022	0.0043	ng/g	☼	05/03/18 12:25	05/13/18 16:37	1
PCB-135	0.32	C	0.022	0.00044	ng/g	☼	05/03/18 12:25	05/13/18 16:37	1
PCB-136	0.10		0.011	0.00032	ng/g	☼	05/03/18 12:25	05/13/18 16:37	1
PCB-137	0.031	q	0.011	0.0037	ng/g	☼	05/03/18 12:25	05/13/18 16:37	1
PCB-138	0.95	C129 B	0.044	0.0033	ng/g	☼	05/03/18 12:25	05/13/18 16:37	1
PCB-139	0.012	J q C	0.022	0.0037	ng/g	☼	05/03/18 12:25	05/13/18 16:37	1
PCB-140	0.012	J q C139	0.022	0.0037	ng/g	☼	05/03/18 12:25	05/13/18 16:37	1
PCB-141	0.16		0.011	0.0039	ng/g	☼	05/03/18 12:25	05/13/18 16:37	1
PCB-142	ND		0.011	0.0041	ng/g	☼	05/03/18 12:25	05/13/18 16:37	1
PCB-143	0.043	C134	0.022	0.0043	ng/g	☼	05/03/18 12:25	05/13/18 16:37	1
PCB-144	0.032		0.011	0.00040	ng/g	☼	05/03/18 12:25	05/13/18 16:37	1
PCB-145	ND		0.011	0.00030	ng/g	☼	05/03/18 12:25	05/13/18 16:37	1
PCB-146	0.17		0.011	0.0036	ng/g	☼	05/03/18 12:25	05/13/18 16:37	1
PCB-147	0.84	C	0.022	0.0042	ng/g	☼	05/03/18 12:25	05/13/18 16:37	1

Client Sample ID: PDI-SG-B291-BL1
Date Collected: 04/23/18 09:56
Date Received: 04/25/18 13:55

Lab Sample ID: 580-76830-1
Matrix: Solid
Percent Solids: 45.1

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-148	0.0035	J	0.011	0.00042	ng/g	☼	05/03/18 12:25	05/13/18 16:37	1
PCB-149	0.84	C147	0.022	0.0042	ng/g	☼	05/03/18 12:25	05/13/18 16:37	1
PCB-150	0.0025	J q	0.011	0.00029	ng/g	☼	05/03/18 12:25	05/13/18 16:37	1
PCB-151	0.32	C135	0.022	0.00044	ng/g	☼	05/03/18 12:25	05/13/18 16:37	1
PCB-152	0.0012	J q	0.011	0.00031	ng/g	☼	05/03/18 12:25	05/13/18 16:37	1
PCB-153	0.82	C	0.022	0.0029	ng/g	☼	05/03/18 12:25	05/13/18 16:37	1
PCB-154	0.015	q	0.011	0.00034	ng/g	☼	05/03/18 12:25	05/13/18 16:37	1
PCB-155	ND		0.011	0.00029	ng/g	☼	05/03/18 12:25	05/13/18 16:37	1
PCB-156	0.093	C B	0.022	0.0034	ng/g	☼	05/03/18 12:25	05/13/18 16:37	1
PCB-157	0.093	C156 B	0.022	0.0034	ng/g	☼	05/03/18 12:25	05/13/18 16:37	1
PCB-158	0.080		0.011	0.0026	ng/g	☼	05/03/18 12:25	05/13/18 16:37	1
PCB-159	0.0076	J q	0.011	0.0028	ng/g	☼	05/03/18 12:25	05/13/18 16:37	1
PCB-160	0.95	C129 B	0.044	0.0033	ng/g	☼	05/03/18 12:25	05/13/18 16:37	1
PCB-161	ND		0.011	0.0027	ng/g	☼	05/03/18 12:25	05/13/18 16:37	1
PCB-162	ND		0.011	0.0027	ng/g	☼	05/03/18 12:25	05/13/18 16:37	1
PCB-163	0.95	C129 B	0.044	0.0033	ng/g	☼	05/03/18 12:25	05/13/18 16:37	1
PCB-164	0.065		0.011	0.0029	ng/g	☼	05/03/18 12:25	05/13/18 16:37	1
PCB-165	ND		0.011	0.0031	ng/g	☼	05/03/18 12:25	05/13/18 16:37	1
PCB-166	0.13	C128 B	0.022	0.0032	ng/g	☼	05/03/18 12:25	05/13/18 16:37	1
PCB-167	0.033		0.011	0.0023	ng/g	☼	05/03/18 12:25	05/13/18 16:37	1
PCB-168	0.82	C153	0.022	0.0029	ng/g	☼	05/03/18 12:25	05/13/18 16:37	1
PCB-169	ND		0.011	0.0020	ng/g	☼	05/03/18 12:25	05/13/18 16:37	1
PCB-170	0.30		0.011	0.00087	ng/g	☼	05/03/18 12:25	05/13/18 16:37	1
PCB-171	0.085	C	0.022	0.00083	ng/g	☼	05/03/18 12:25	05/13/18 16:37	1
PCB-172	0.054		0.011	0.00082	ng/g	☼	05/03/18 12:25	05/13/18 16:37	1
PCB-173	0.085	C171	0.022	0.00083	ng/g	☼	05/03/18 12:25	05/13/18 16:37	1
PCB-174	0.30		0.011	0.00077	ng/g	☼	05/03/18 12:25	05/13/18 16:37	1
PCB-175	0.0095	J q	0.011	0.00075	ng/g	☼	05/03/18 12:25	05/13/18 16:37	1
PCB-176	0.035		0.011	0.00057	ng/g	☼	05/03/18 12:25	05/13/18 16:37	1
PCB-177	0.18		0.011	0.00080	ng/g	☼	05/03/18 12:25	05/13/18 16:37	1
PCB-178	0.075		0.011	0.00081	ng/g	☼	05/03/18 12:25	05/13/18 16:37	1
PCB-179	0.14		0.011	0.00060	ng/g	☼	05/03/18 12:25	05/13/18 16:37	1
PCB-180	0.68	C	0.022	0.00063	ng/g	☼	05/03/18 12:25	05/13/18 16:37	1
PCB-181	ND		0.011	0.00075	ng/g	☼	05/03/18 12:25	05/13/18 16:37	1
PCB-182	0.0030	J q	0.011	0.00072	ng/g	☼	05/03/18 12:25	05/13/18 16:37	1
PCB-183	0.21	C	0.022	0.00073	ng/g	☼	05/03/18 12:25	05/13/18 16:37	1
PCB-184	ND		0.011	0.00061	ng/g	☼	05/03/18 12:25	05/13/18 16:37	1
PCB-185	0.21	C183	0.022	0.00073	ng/g	☼	05/03/18 12:25	05/13/18 16:37	1
PCB-186	ND		0.011	0.00060	ng/g	☼	05/03/18 12:25	05/13/18 16:37	1
PCB-187	0.42		0.011	0.00069	ng/g	☼	05/03/18 12:25	05/13/18 16:37	1
PCB-188	ND		0.011	0.00053	ng/g	☼	05/03/18 12:25	05/13/18 16:37	1
PCB-189	0.011		0.011	0.0018	ng/g	☼	05/03/18 12:25	05/13/18 16:37	1
PCB-190	0.057		0.011	0.00054	ng/g	☼	05/03/18 12:25	05/13/18 16:37	1
PCB-191	0.0092	J q	0.011	0.00056	ng/g	☼	05/03/18 12:25	05/13/18 16:37	1
PCB-192	ND		0.011	0.00063	ng/g	☼	05/03/18 12:25	05/13/18 16:37	1
PCB-193	0.68	C180	0.022	0.00063	ng/g	☼	05/03/18 12:25	05/13/18 16:37	1
PCB-194	0.18		0.011	0.0019	ng/g	☼	05/03/18 12:25	05/13/18 16:37	1
PCB-195	0.065		0.011	0.0021	ng/g	☼	05/03/18 12:25	05/13/18 16:37	1
PCB-196	0.084		0.011	0.00069	ng/g	☼	05/03/18 12:25	05/13/18 16:37	1

Client Sample ID: PDI-SG-B291-BL1
Date Collected: 04/23/18 09:56
Date Received: 04/25/18 13:55

Lab Sample ID: 580-76830-1
Matrix: Solid
Percent Solids: 45.1

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-197	0.0044	J	0.011	0.00052	ng/g	☼	05/03/18 12:25	05/13/18 16:37	1
PCB-198	0.21	C B	0.022	0.00070	ng/g	☼	05/03/18 12:25	05/13/18 16:37	1
PCB-199	0.21	C198 B	0.022	0.00070	ng/g	☼	05/03/18 12:25	05/13/18 16:37	1
PCB-200	0.019		0.011	0.00047	ng/g	☼	05/03/18 12:25	05/13/18 16:37	1
PCB-201	0.020		0.011	0.00048	ng/g	☼	05/03/18 12:25	05/13/18 16:37	1
PCB-202	0.039	q	0.011	0.00054	ng/g	☼	05/03/18 12:25	05/13/18 16:37	1
PCB-203	0.13		0.011	0.00062	ng/g	☼	05/03/18 12:25	05/13/18 16:37	1
PCB-204	ND		0.011	0.00053	ng/g	☼	05/03/18 12:25	05/13/18 16:37	1
PCB-205	0.0087	J B	0.011	0.0016	ng/g	☼	05/03/18 12:25	05/13/18 16:37	1
PCB-206	0.15		0.011	0.0023	ng/g	☼	05/03/18 12:25	05/13/18 16:37	1
PCB-207	0.015		0.011	0.0016	ng/g	☼	05/03/18 12:25	05/13/18 16:37	1
PCB-208	0.051		0.011	0.0016	ng/g	☼	05/03/18 12:25	05/13/18 16:37	1
PCB-209	0.17		0.011	0.00048	ng/g	☼	05/03/18 12:25	05/13/18 16:37	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
PCB-1L	*70*		*30 - 140*	*05/03/18 12:25*	*05/13/18 16:37*	*1*
PCB-3L	*75*		*30 - 140*	*05/03/18 12:25*	*05/13/18 16:37*	*1*
PCB-4L	*70*		*30 - 140*	*05/03/18 12:25*	*05/13/18 16:37*	*1*
PCB-15L	*80*		*30 - 140*	*05/03/18 12:25*	*05/13/18 16:37*	*1*
PCB-19L	*81*		*30 - 140*	*05/03/18 12:25*	*05/13/18 16:37*	*1*
PCB-37L	*87*		*30 - 140*	*05/03/18 12:25*	*05/13/18 16:37*	*1*
PCB-54L	*83*		*30 - 140*	*05/03/18 12:25*	*05/13/18 16:37*	*1*
PCB-77L	*89*		*30 - 140*	*05/03/18 12:25*	*05/13/18 16:37*	*1*
PCB-81L	*87*		*30 - 140*	*05/03/18 12:25*	*05/13/18 16:37*	*1*
PCB-104L	*78*		*30 - 140*	*05/03/18 12:25*	*05/13/18 16:37*	*1*
PCB-105L	*86*		*30 - 140*	*05/03/18 12:25*	*05/13/18 16:37*	*1*
PCB-114L	*86*		*30 - 140*	*05/03/18 12:25*	*05/13/18 16:37*	*1*
PCB-118L	*86*		*30 - 140*	*05/03/18 12:25*	*05/13/18 16:37*	*1*
PCB-123L	*83*		*30 - 140*	*05/03/18 12:25*	*05/13/18 16:37*	*1*
PCB-126L	*86*		*30 - 140*	*05/03/18 12:25*	*05/13/18 16:37*	*1*
PCB-155L	*82*		*30 - 140*	*05/03/18 12:25*	*05/13/18 16:37*	*1*
PCB-156L	*86*	*C*	*30 - 140*	*05/03/18 12:25*	*05/13/18 16:37*	*1*
PCB-157L	*86*	*C156*	*30 - 140*	*05/03/18 12:25*	*05/13/18 16:37*	*1*
PCB-167L	*86*		*30 - 140*	*05/03/18 12:25*	*05/13/18 16:37*	*1*
PCB-169L	*93*		*30 - 140*	*05/03/18 12:25*	*05/13/18 16:37*	*1*
PCB-170L	*79*		*30 - 140*	*05/03/18 12:25*	*05/13/18 16:37*	*1*
PCB-188L	*84*		*30 - 140*	*05/03/18 12:25*	*05/13/18 16:37*	*1*
PCB-189L	*92*		*30 - 140*	*05/03/18 12:25*	*05/13/18 16:37*	*1*
PCB-202L	*88*		*30 - 140*	*05/03/18 12:25*	*05/13/18 16:37*	*1*
PCB-205L	*72*		*30 - 140*	*05/03/18 12:25*	*05/13/18 16:37*	*1*
PCB-206L	*70*		*30 - 140*	*05/03/18 12:25*	*05/13/18 16:37*	*1*
PCB-208L	*71*		*30 - 140*	*05/03/18 12:25*	*05/13/18 16:37*	*1*
PCB-209L	*63*		*30 - 140*	*05/03/18 12:25*	*05/13/18 16:37*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
PCB-28L	*92*		*40 - 125*	*05/03/18 12:25*	*05/13/18 16:37*	*1*
PCB-111L	*91*		*40 - 125*	*05/03/18 12:25*	*05/13/18 16:37*	*1*
PCB-178L	*87*		*40 - 125*	*05/03/18 12:25*	*05/13/18 16:37*	*1*

Client: AECOM
Project/Site: Portland Harbor Pre-Remedial Design

TestAmerica Job ID: 580-76830-3

Client Sample ID: PDI-SG-B292-BL1
Date Collected: 04/23/18 10:42
Date Received: 04/25/18 13:55

Lab Sample ID: 580-76830-2
Matrix: Solid
Percent Solids: 43.8

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1	ND		0.11	0.0013	ng/g	☼	05/03/18 12:25	05/14/18 12:18	10
PCB-2	ND		0.11	0.0014	ng/g	☼	05/03/18 12:25	05/14/18 12:18	10
PCB-3	ND		0.11	0.0015	ng/g	☼	05/03/18 12:25	05/14/18 12:18	10
PCB-4	ND		0.23	0.050	ng/g	☼	05/03/18 12:25	05/14/18 12:18	10
PCB-5	ND		0.11	0.046	ng/g	☼	05/03/18 12:25	05/14/18 12:18	10
PCB-6	ND		0.11	0.040	ng/g	☼	05/03/18 12:25	05/14/18 12:18	10
PCB-7	ND		0.11	0.041	ng/g	☼	05/03/18 12:25	05/14/18 12:18	10
PCB-8	ND		0.23	0.037	ng/g	☼	05/03/18 12:25	05/14/18 12:18	10
PCB-9	ND		0.11	0.042	ng/g	☼	05/03/18 12:25	05/14/18 12:18	10
PCB-10	ND		0.11	0.045	ng/g	☼	05/03/18 12:25	05/14/18 12:18	10
PCB-11	ND		0.23	0.039	ng/g	☼	05/03/18 12:25	05/14/18 12:18	10
PCB-12	ND	C	0.23	0.041	ng/g	☼	05/03/18 12:25	05/14/18 12:18	10
PCB-13	ND	C12	0.23	0.041	ng/g	☼	05/03/18 12:25	05/14/18 12:18	10
PCB-14	ND		0.11	0.035	ng/g	☼	05/03/18 12:25	05/14/18 12:18	10
PCB-15	ND		0.11	0.047	ng/g	☼	05/03/18 12:25	05/14/18 12:18	10
PCB-16	ND		0.11	0.0041	ng/g	☼	05/03/18 12:25	05/14/18 12:18	10
PCB-17	ND		0.11	0.0037	ng/g	☼	05/03/18 12:25	05/14/18 12:18	10
PCB-18	**0.020**	**J q C**	0.23	0.0032	ng/g	☼	05/03/18 12:25	05/14/18 12:18	10
PCB-19	ND		0.11	0.0045	ng/g	☼	05/03/18 12:25	05/14/18 12:18	10
PCB-20	**0.028**	**J C**	0.23	0.0028	ng/g	☼	05/03/18 12:25	05/14/18 12:18	10
PCB-21	**0.011**	**J q C**	0.23	0.0027	ng/g	☼	05/03/18 12:25	05/14/18 12:18	10
PCB-22	**0.011**	**J**	0.11	0.0028	ng/g	☼	05/03/18 12:25	05/14/18 12:18	10
PCB-23	ND		0.11	0.0028	ng/g	☼	05/03/18 12:25	05/14/18 12:18	10
PCB-24	ND		0.11	0.0031	ng/g	☼	05/03/18 12:25	05/14/18 12:18	10
PCB-25	ND		0.11	0.0026	ng/g	☼	05/03/18 12:25	05/14/18 12:18	10
PCB-26	ND	C	0.23	0.0027	ng/g	☼	05/03/18 12:25	05/14/18 12:18	10
PCB-27	ND		0.11	0.0027	ng/g	☼	05/03/18 12:25	05/14/18 12:18	10
PCB-28	**0.028**	**J C20**	0.23	0.0028	ng/g	☼	05/03/18 12:25	05/14/18 12:18	10
PCB-29	ND	C26	0.23	0.0027	ng/g	☼	05/03/18 12:25	05/14/18 12:18	10
PCB-30	**0.020**	**J q C18**	0.23	0.0032	ng/g	☼	05/03/18 12:25	05/14/18 12:18	10
PCB-31	**0.020**	**J q**	0.23	0.0027	ng/g	☼	05/03/18 12:25	05/14/18 12:18	10
PCB-32	ND		0.11	0.0026	ng/g	☼	05/03/18 12:25	05/14/18 12:18	10
PCB-33	**0.011**	**J q C21**	0.23	0.0027	ng/g	☼	05/03/18 12:25	05/14/18 12:18	10
PCB-34	ND		0.11	0.0029	ng/g	☼	05/03/18 12:25	05/14/18 12:18	10
PCB-35	ND		0.11	0.0028	ng/g	☼	05/03/18 12:25	05/14/18 12:18	10
PCB-36	ND		0.11	0.0027	ng/g	☼	05/03/18 12:25	05/14/18 12:18	10
PCB-37	**0.0082**	**J**	0.11	0.0028	ng/g	☼	05/03/18 12:25	05/14/18 12:18	10
PCB-38	ND		0.11	0.0029	ng/g	☼	05/03/18 12:25	05/14/18 12:18	10
PCB-39	ND		0.11	0.0026	ng/g	☼	05/03/18 12:25	05/14/18 12:18	10
PCB-40	**0.016**	**J q C**	0.34	0.0074	ng/g	☼	05/03/18 12:25	05/14/18 12:18	10
PCB-41	**0.016**	**J q C40**	0.34	0.0074	ng/g	☼	05/03/18 12:25	05/14/18 12:18	10
PCB-42	ND		0.11	0.0074	ng/g	☼	05/03/18 12:25	05/14/18 12:18	10
PCB-43	ND	C	0.23	0.0069	ng/g	☼	05/03/18 12:25	05/14/18 12:18	10
PCB-44	**0.064**	**J C B**	0.34	0.0065	ng/g	☼	05/03/18 12:25	05/14/18 12:18	10
PCB-45	ND	C	0.23	0.0077	ng/g	☼	05/03/18 12:25	05/14/18 12:18	10
PCB-46	ND		0.11	0.0094	ng/g	☼	05/03/18 12:25	05/14/18 12:18	10
PCB-47	**0.064**	**J C44 B**	0.34	0.0065	ng/g	☼	05/03/18 12:25	05/14/18 12:18	10
PCB-48	ND		0.11	0.0074	ng/g	☼	05/03/18 12:25	05/14/18 12:18	10
PCB-49	**0.045**	**J q C**	0.23	0.0060	ng/g	☼	05/03/18 12:25	05/14/18 12:18	10

Client Sample ID: PDI-SG-B292-BL1
Date Collected: 04/23/18 10:42
Date Received: 04/25/18 13:55

Lab Sample ID: 580-76830-2
Matrix: Solid
Percent Solids: 43.8

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-50	ND	C	0.23	0.0072	ng/g	☼	05/03/18 12:25	05/14/18 12:18	10
PCB-51	ND	C45	0.23	0.0077	ng/g	☼	05/03/18 12:25	05/14/18 12:18	10
PCB-52	**0.071**	**J q**	0.11	0.0073	ng/g	☼	05/03/18 12:25	05/14/18 12:18	10
PCB-53	ND	C50	0.23	0.0072	ng/g	☼	05/03/18 12:25	05/14/18 12:18	10
PCB-54	ND		0.11	0.00049	ng/g	☼	05/03/18 12:25	05/14/18 12:18	10
PCB-55	ND		0.11	0.0054	ng/g	☼	05/03/18 12:25	05/14/18 12:18	10
PCB-56	**0.021**	**J q**	0.11	0.0054	ng/g	☼	05/03/18 12:25	05/14/18 12:18	10
PCB-57	ND		0.11	0.0054	ng/g	☼	05/03/18 12:25	05/14/18 12:18	10
PCB-58	ND		0.11	0.0055	ng/g	☼	05/03/18 12:25	05/14/18 12:18	10
PCB-59	ND	C	0.34	0.0052	ng/g	☼	05/03/18 12:25	05/14/18 12:18	10
PCB-60	ND		0.11	0.0055	ng/g	☼	05/03/18 12:25	05/14/18 12:18	10
PCB-61	**0.10**	**J C B**	0.46	0.0051	ng/g	☼	05/03/18 12:25	05/14/18 12:18	10
PCB-62	ND	C59	0.34	0.0052	ng/g	☼	05/03/18 12:25	05/14/18 12:18	10
PCB-63	ND		0.11	0.0050	ng/g	☼	05/03/18 12:25	05/14/18 12:18	10
PCB-64	**0.024**	**J**	0.11	0.0049	ng/g	☼	05/03/18 12:25	05/14/18 12:18	10
PCB-65	**0.064**	**J C44 B**	0.34	0.0065	ng/g	☼	05/03/18 12:25	05/14/18 12:18	10
PCB-66	**0.049**	**J**	0.11	0.0051	ng/g	☼	05/03/18 12:25	05/14/18 12:18	10
PCB-67	ND		0.11	0.0047	ng/g	☼	05/03/18 12:25	05/14/18 12:18	10
PCB-68	ND		0.11	0.0048	ng/g	☼	05/03/18 12:25	05/14/18 12:18	10
PCB-69	**0.045**	**J q C49**	0.23	0.0060	ng/g	☼	05/03/18 12:25	05/14/18 12:18	10
PCB-70	**0.10**	**J C61 B**	0.46	0.0051	ng/g	☼	05/03/18 12:25	05/14/18 12:18	10
PCB-71	**0.016**	**J q C40**	0.34	0.0074	ng/g	☼	05/03/18 12:25	05/14/18 12:18	10
PCB-72	ND		0.11	0.0053	ng/g	☼	05/03/18 12:25	05/14/18 12:18	10
PCB-73	ND	C43	0.23	0.0069	ng/g	☼	05/03/18 12:25	05/14/18 12:18	10
PCB-74	**0.10**	**J C61 B**	0.46	0.0051	ng/g	☼	05/03/18 12:25	05/14/18 12:18	10
PCB-75	ND	C59	0.34	0.0052	ng/g	☼	05/03/18 12:25	05/14/18 12:18	10
PCB-76	**0.10**	**J C61 B**	0.46	0.0051	ng/g	☼	05/03/18 12:25	05/14/18 12:18	10
PCB-77	**0.0097**	**J B**	0.11	0.0054	ng/g	☼	05/03/18 12:25	05/14/18 12:18	10
PCB-78	ND		0.11	0.0055	ng/g	☼	05/03/18 12:25	05/14/18 12:18	10
PCB-79	ND		0.11	0.0048	ng/g	☼	05/03/18 12:25	05/14/18 12:18	10
PCB-80	ND		0.11	0.0047	ng/g	☼	05/03/18 12:25	05/14/18 12:18	10
PCB-81	ND		0.11	0.0048	ng/g	☼	05/03/18 12:25	05/14/18 12:18	10
PCB-82	**0.013**	**J q**	0.11	0.0017	ng/g	☼	05/03/18 12:25	05/14/18 12:18	10
PCB-83	**0.094**	**J q C**	0.23	0.0016	ng/g	☼	05/03/18 12:25	05/14/18 12:18	10
PCB-84	**0.039**	**J B**	0.11	0.0018	ng/g	☼	05/03/18 12:25	05/14/18 12:18	10
PCB-85	**0.044**	**J C**	0.34	0.0013	ng/g	☼	05/03/18 12:25	05/14/18 12:18	10
PCB-86	**0.10**	**J C B**	0.68	0.0013	ng/g	☼	05/03/18 12:25	05/14/18 12:18	10
PCB-87	**0.10**	**J C86 B**	0.68	0.0013	ng/g	☼	05/03/18 12:25	05/14/18 12:18	10
PCB-88	**0.022**	**J q C**	0.23	0.0016	ng/g	☼	05/03/18 12:25	05/14/18 12:18	10
PCB-89	ND		0.11	0.0017	ng/g	☼	05/03/18 12:25	05/14/18 12:18	10
PCB-90	**0.17**	**J C B**	0.34	0.0013	ng/g	☼	05/03/18 12:25	05/14/18 12:18	10
PCB-91	**0.022**	**J q C88**	0.23	0.0016	ng/g	☼	05/03/18 12:25	05/14/18 12:18	10
PCB-92	**0.014**	**J q**	0.11	0.0015	ng/g	☼	05/03/18 12:25	05/14/18 12:18	10
PCB-93	ND	C	0.23	0.0015	ng/g	☼	05/03/18 12:25	05/14/18 12:18	10
PCB-94	ND		0.11	0.0017	ng/g	☼	05/03/18 12:25	05/14/18 12:18	10
PCB-95	**0.12**	**q B**	0.11	0.0016	ng/g	☼	05/03/18 12:25	05/14/18 12:18	10
PCB-96	ND		0.11	0.0013	ng/g	☼	05/03/18 12:25	05/14/18 12:18	10
PCB-97	**0.10**	**J C86 B**	0.68	0.0013	ng/g	☼	05/03/18 12:25	05/14/18 12:18	10
PCB-98	ND	C	0.23	0.0015	ng/g	☼	05/03/18 12:25	05/14/18 12:18	10

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Lab Sample ID: 580-76830-2
Matrix: Solid
Percent Solids: 43.8

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-99	**0.094**	**J q C83**	0.23	0.0016	ng/g	☼	05/03/18 12:25	05/14/18 12:18	10
PCB-100	ND	C93	0.23	0.0015	ng/g	☼	05/03/18 12:25	05/14/18 12:18	10
PCB-101	**0.17**	**J C90 B**	0.34	0.0013	ng/g	☼	05/03/18 12:25	05/14/18 12:18	10
PCB-102	ND	C98	0.23	0.0015	ng/g	☼	05/03/18 12:25	05/14/18 12:18	10
PCB-103	**0.0046**	**J q**	0.11	0.0015	ng/g	☼	05/03/18 12:25	05/14/18 12:18	10
PCB-104	ND		0.11	0.0011	ng/g	☼	05/03/18 12:25	05/14/18 12:18	10
PCB-105	**0.058**	**J q B**	0.11	0.0027	ng/g	☼	05/03/18 12:25	05/14/18 12:18	10
PCB-106	ND		0.11	0.0029	ng/g	☼	05/03/18 12:25	05/14/18 12:18	10
PCB-107	ND		0.11	0.0031	ng/g	☼	05/03/18 12:25	05/14/18 12:18	10
PCB-108	ND	C	0.23	0.0030	ng/g	☼	05/03/18 12:25	05/14/18 12:18	10
PCB-109	**0.10**	**J C86 B**	0.68	0.0013	ng/g	☼	05/03/18 12:25	05/14/18 12:18	10
PCB-110	**0.16**	**J q C B**	0.23	0.0011	ng/g	☼	05/03/18 12:25	05/14/18 12:18	10
PCB-111	ND		0.11	0.0011	ng/g	☼	05/03/18 12:25	05/14/18 12:18	10
PCB-112	ND		0.11	0.0011	ng/g	☼	05/03/18 12:25	05/14/18 12:18	10
PCB-113	**0.17**	**J C90 B**	0.34	0.0013	ng/g	☼	05/03/18 12:25	05/14/18 12:18	10
PCB-114	ND		0.11	0.0026	ng/g	☼	05/03/18 12:25	05/14/18 12:18	10
PCB-115	**0.16**	**J q C110 B**	0.23	0.0011	ng/g	☼	05/03/18 12:25	05/14/18 12:18	10
PCB-116	**0.044**	**J C85**	0.34	0.0013	ng/g	☼	05/03/18 12:25	05/14/18 12:18	10
PCB-117	**0.044**	**J C85**	0.34	0.0013	ng/g	☼	05/03/18 12:25	05/14/18 12:18	10
PCB-118	**0.15**	**B**	0.11	0.0027	ng/g	☼	05/03/18 12:25	05/14/18 12:18	10
PCB-119	**0.10**	**J C86 B**	0.68	0.0013	ng/g	☼	05/03/18 12:25	05/14/18 12:18	10
PCB-120	ND		0.11	0.0011	ng/g	☼	05/03/18 12:25	05/14/18 12:18	10
PCB-121	ND		0.11	0.0011	ng/g	☼	05/03/18 12:25	05/14/18 12:18	10
PCB-122	ND		0.11	0.0034	ng/g	☼	05/03/18 12:25	05/14/18 12:18	10
PCB-123	ND		0.11	0.0029	ng/g	☼	05/03/18 12:25	05/14/18 12:18	10
PCB-124	ND	C108	0.23	0.0030	ng/g	☼	05/03/18 12:25	05/14/18 12:18	10
PCB-125	**0.10**	**J C86 B**	0.68	0.0013	ng/g	☼	05/03/18 12:25	05/14/18 12:18	10
PCB-126	ND		0.11	0.0033	ng/g	☼	05/03/18 12:25	05/14/18 12:18	10
PCB-127	ND		0.11	0.0029	ng/g	☼	05/03/18 12:25	05/14/18 12:18	10
PCB-128	**0.045**	**J C B**	0.23	0.0058	ng/g	☼	05/03/18 12:25	05/14/18 12:18	10
PCB-129	**0.30**	**J C B**	0.46	0.0060	ng/g	☼	05/03/18 12:25	05/14/18 12:18	10
PCB-130	ND		0.11	0.0079	ng/g	☼	05/03/18 12:25	05/14/18 12:18	10
PCB-131	ND		0.11	0.0082	ng/g	☼	05/03/18 12:25	05/14/18 12:18	10
PCB-132	**0.072**	**J q**	0.11	0.0077	ng/g	☼	05/03/18 12:25	05/14/18 12:18	10
PCB-133	ND		0.11	0.0074	ng/g	☼	05/03/18 12:25	05/14/18 12:18	10
PCB-134	ND	C	0.23	0.0078	ng/g	☼	05/03/18 12:25	05/14/18 12:18	10
PCB-135	**0.062**	**J C**	0.23	0.00058	ng/g	☼	05/03/18 12:25	05/14/18 12:18	10
PCB-136	**0.027**	**J q**	0.11	0.00042	ng/g	☼	05/03/18 12:25	05/14/18 12:18	10
PCB-137	**0.014**	**J**	0.11	0.0067	ng/g	☼	05/03/18 12:25	05/14/18 12:18	10
PCB-138	**0.30**	**J C129 B**	0.46	0.0060	ng/g	☼	05/03/18 12:25	05/14/18 12:18	10
PCB-139	ND	C	0.23	0.0066	ng/g	☼	05/03/18 12:25	05/14/18 12:18	10
PCB-140	ND	C139	0.23	0.0066	ng/g	☼	05/03/18 12:25	05/14/18 12:18	10
PCB-141	**0.038**	**J**	0.11	0.0069	ng/g	☼	05/03/18 12:25	05/14/18 12:18	10
PCB-142	ND		0.11	0.0074	ng/g	☼	05/03/18 12:25	05/14/18 12:18	10
PCB-143	ND	C134	0.23	0.0078	ng/g	☼	05/03/18 12:25	05/14/18 12:18	10
PCB-144	ND		0.11	0.00053	ng/g	☼	05/03/18 12:25	05/14/18 12:18	10
PCB-145	ND		0.11	0.00040	ng/g	☼	05/03/18 12:25	05/14/18 12:18	10
PCB-146	**0.042**	**J q**	0.11	0.0065	ng/g	☼	05/03/18 12:25	05/14/18 12:18	10
PCB-147	**0.20**	**J C**	0.23	0.0075	ng/g	☼	05/03/18 12:25	05/14/18 12:18	10

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Lab Sample ID: 580-76830-2
Matrix: Solid
Percent Solids: 43.8

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-148	ND		0.11	0.00056	ng/g	☼	05/03/18 12:25	05/14/18 12:18	10
PCB-149	**0.20**	**J C147**	0.23	0.0075	ng/g	☼	05/03/18 12:25	05/14/18 12:18	10
PCB-150	ND		0.11	0.00038	ng/g	☼	05/03/18 12:25	05/14/18 12:18	10
PCB-151	**0.062**	**J C135**	0.23	0.00058	ng/g	☼	05/03/18 12:25	05/14/18 12:18	10
PCB-152	ND		0.11	0.00041	ng/g	☼	05/03/18 12:25	05/14/18 12:18	10
PCB-153	**0.22**	**J C**	0.23	0.0052	ng/g	☼	05/03/18 12:25	05/14/18 12:18	10
PCB-154	**0.0049**	**J q**	0.11	0.00045	ng/g	☼	05/03/18 12:25	05/14/18 12:18	10
PCB-155	ND		0.11	0.00038	ng/g	☼	05/03/18 12:25	05/14/18 12:18	10
PCB-156	**0.033**	**J q C B**	0.23	0.0060	ng/g	☼	05/03/18 12:25	05/14/18 12:18	10
PCB-157	**0.033**	**J q C156 B**	0.23	0.0060	ng/g	☼	05/03/18 12:25	05/14/18 12:18	10
PCB-158	**0.023**	**J q**	0.11	0.0047	ng/g	☼	05/03/18 12:25	05/14/18 12:18	10
PCB-159	ND		0.11	0.0050	ng/g	☼	05/03/18 12:25	05/14/18 12:18	10
PCB-160	**0.30**	**J C129 B**	0.46	0.0060	ng/g	☼	05/03/18 12:25	05/14/18 12:18	10
PCB-161	ND		0.11	0.0049	ng/g	☼	05/03/18 12:25	05/14/18 12:18	10
PCB-162	ND		0.11	0.0049	ng/g	☼	05/03/18 12:25	05/14/18 12:18	10
PCB-163	**0.30**	**J C129 B**	0.46	0.0060	ng/g	☼	05/03/18 12:25	05/14/18 12:18	10
PCB-164	**0.019**	**J**	0.11	0.0052	ng/g	☼	05/03/18 12:25	05/14/18 12:18	10
PCB-165	ND		0.11	0.0056	ng/g	☼	05/03/18 12:25	05/14/18 12:18	10
PCB-166	**0.045**	**J C128 B**	0.23	0.0058	ng/g	☼	05/03/18 12:25	05/14/18 12:18	10
PCB-167	**0.014**	**J**	0.11	0.0040	ng/g	☼	05/03/18 12:25	05/14/18 12:18	10
PCB-168	**0.22**	**J C153**	0.23	0.0052	ng/g	☼	05/03/18 12:25	05/14/18 12:18	10
PCB-169	ND		0.11	0.0039	ng/g	☼	05/03/18 12:25	05/14/18 12:18	10
PCB-170	**0.068**	**J**	0.11	0.0033	ng/g	☼	05/03/18 12:25	05/14/18 12:18	10
PCB-171	**0.025**	**J q C**	0.23	0.0030	ng/g	☼	05/03/18 12:25	05/14/18 12:18	10
PCB-172	**0.0095**	**J q**	0.11	0.0030	ng/g	☼	05/03/18 12:25	05/14/18 12:18	10
PCB-173	**0.025**	**J q C171**	0.23	0.0030	ng/g	☼	05/03/18 12:25	05/14/18 12:18	10
PCB-174	**0.053**	**J q**	0.11	0.0028	ng/g	☼	05/03/18 12:25	05/14/18 12:18	10
PCB-175	ND		0.11	0.0027	ng/g	☼	05/03/18 12:25	05/14/18 12:18	10
PCB-176	ND		0.11	0.0021	ng/g	☼	05/03/18 12:25	05/14/18 12:18	10
PCB-177	**0.042**	**J q**	0.11	0.0029	ng/g	☼	05/03/18 12:25	05/14/18 12:18	10
PCB-178	ND		0.11	0.0030	ng/g	☼	05/03/18 12:25	05/14/18 12:18	10
PCB-179	**0.027**	**J**	0.11	0.0022	ng/g	☼	05/03/18 12:25	05/14/18 12:18	10
PCB-180	**0.14**	**J C**	0.23	0.0023	ng/g	☼	05/03/18 12:25	05/14/18 12:18	10
PCB-181	ND		0.11	0.0027	ng/g	☼	05/03/18 12:25	05/14/18 12:18	10
PCB-182	ND		0.11	0.0026	ng/g	☼	05/03/18 12:25	05/14/18 12:18	10
PCB-183	**0.043**	**J q C**	0.23	0.0027	ng/g	☼	05/03/18 12:25	05/14/18 12:18	10
PCB-184	ND		0.11	0.0022	ng/g	☼	05/03/18 12:25	05/14/18 12:18	10
PCB-185	**0.043**	**J q C183**	0.23	0.0027	ng/g	☼	05/03/18 12:25	05/14/18 12:18	10
PCB-186	ND		0.11	0.0022	ng/g	☼	05/03/18 12:25	05/14/18 12:18	10
PCB-187	**0.080**	**J**	0.11	0.0025	ng/g	☼	05/03/18 12:25	05/14/18 12:18	10
PCB-188	ND		0.11	0.0019	ng/g	☼	05/03/18 12:25	05/14/18 12:18	10
PCB-189	ND		0.11	0.0041	ng/g	☼	05/03/18 12:25	05/14/18 12:18	10
PCB-190	ND		0.11	0.0020	ng/g	☼	05/03/18 12:25	05/14/18 12:18	10
PCB-191	ND		0.11	0.0021	ng/g	☼	05/03/18 12:25	05/14/18 12:18	10
PCB-192	ND		0.11	0.0023	ng/g	☼	05/03/18 12:25	05/14/18 12:18	10
PCB-193	**0.14**	**J C180**	0.23	0.0023	ng/g	☼	05/03/18 12:25	05/14/18 12:18	10
PCB-194	**0.027**	**J q**	0.11	0.0023	ng/g	☼	05/03/18 12:25	05/14/18 12:18	10
PCB-195	**0.013**	**J q**	0.11	0.0025	ng/g	☼	05/03/18 12:25	05/14/18 12:18	10
PCB-196	**0.0096**	**J q**	0.11	0.00095	ng/g	☼	05/03/18 12:25	05/14/18 12:18	10

Client Sample ID: PDI-SG-B292-BL1
Date Collected: 04/23/18 10:42
Date Received: 04/25/18 13:55

Lab Sample ID: 580-76830-2
Matrix: Solid
Percent Solids: 43.8

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-197	ND		0.11	0.00072	ng/g	☼	05/03/18 12:25	05/14/18 12:18	10
PCB-198	**0.048**	**J C B**	0.23	0.00096	ng/g	☼	05/03/18 12:25	05/14/18 12:18	10
PCB-199	**0.048**	**J C198 B**	0.23	0.00096	ng/g	☼	05/03/18 12:25	05/14/18 12:18	10
PCB-200	ND		0.11	0.00064	ng/g	☼	05/03/18 12:25	05/14/18 12:18	10
PCB-201	ND		0.11	0.00066	ng/g	☼	05/03/18 12:25	05/14/18 12:18	10
PCB-202	**0.0050**	**J q**	0.11	0.00074	ng/g	☼	05/03/18 12:25	05/14/18 12:18	10
PCB-203	**0.021**	**J**	0.11	0.00085	ng/g	☼	05/03/18 12:25	05/14/18 12:18	10
PCB-204	ND		0.11	0.00072	ng/g	☼	05/03/18 12:25	05/14/18 12:18	10
PCB-205	ND		0.11	0.0019	ng/g	☼	05/03/18 12:25	05/14/18 12:18	10
PCB-206	**0.045**	**J q**	0.11	0.010	ng/g	☼	05/03/18 12:25	05/14/18 12:18	10
PCB-207	ND		0.11	0.0072	ng/g	☼	05/03/18 12:25	05/14/18 12:18	10
PCB-208	ND		0.11	0.0073	ng/g	☼	05/03/18 12:25	05/14/18 12:18	10
PCB-209	**0.046**	**J**	0.11	0.0012	ng/g	☼	05/03/18 12:25	05/14/18 12:18	10

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
PCB-1L	*89*		*30 - 140*	*05/03/18 12:25*	*05/14/18 12:18*	*10*
PCB-3L	*89*		*30 - 140*	*05/03/18 12:25*	*05/14/18 12:18*	*10*
PCB-4L	*76*		*30 - 140*	*05/03/18 12:25*	*05/14/18 12:18*	*10*
PCB-15L	*72*		*30 - 140*	*05/03/18 12:25*	*05/14/18 12:18*	*10*
PCB-19L	*82*		*30 - 140*	*05/03/18 12:25*	*05/14/18 12:18*	*10*
PCB-37L	*82*		*30 - 140*	*05/03/18 12:25*	*05/14/18 12:18*	*10*
PCB-54L	*71*		*30 - 140*	*05/03/18 12:25*	*05/14/18 12:18*	*10*
PCB-77L	*85*		*30 - 140*	*05/03/18 12:25*	*05/14/18 12:18*	*10*
PCB-81L	*83*		*30 - 140*	*05/03/18 12:25*	*05/14/18 12:18*	*10*
PCB-104L	*79*		*30 - 140*	*05/03/18 12:25*	*05/14/18 12:18*	*10*
PCB-105L	*91*		*30 - 140*	*05/03/18 12:25*	*05/14/18 12:18*	*10*
PCB-114L	*90*		*30 - 140*	*05/03/18 12:25*	*05/14/18 12:18*	*10*
PCB-118L	*90*		*30 - 140*	*05/03/18 12:25*	*05/14/18 12:18*	*10*
PCB-123L	*86*		*30 - 140*	*05/03/18 12:25*	*05/14/18 12:18*	*10*
PCB-126L	*84*		*30 - 140*	*05/03/18 12:25*	*05/14/18 12:18*	*10*
PCB-155L	*77*		*30 - 140*	*05/03/18 12:25*	*05/14/18 12:18*	*10*
PCB-156L	*85*	*C*	*30 - 140*	*05/03/18 12:25*	*05/14/18 12:18*	*10*
PCB-157L	*85*	*C156*	*30 - 140*	*05/03/18 12:25*	*05/14/18 12:18*	*10*
PCB-167L	*83*		*30 - 140*	*05/03/18 12:25*	*05/14/18 12:18*	*10*
PCB-169L	*89*		*30 - 140*	*05/03/18 12:25*	*05/14/18 12:18*	*10*
PCB-170L	*83*		*30 - 140*	*05/03/18 12:25*	*05/14/18 12:18*	*10*
PCB-188L	*91*		*30 - 140*	*05/03/18 12:25*	*05/14/18 12:18*	*10*
PCB-189L	*79*		*30 - 140*	*05/03/18 12:25*	*05/14/18 12:18*	*10*
PCB-202L	*82*		*30 - 140*	*05/03/18 12:25*	*05/14/18 12:18*	*10*
PCB-205L	*73*		*30 - 140*	*05/03/18 12:25*	*05/14/18 12:18*	*10*
PCB-206L	*70*		*30 - 140*	*05/03/18 12:25*	*05/14/18 12:18*	*10*
PCB-208L	*69*		*30 - 140*	*05/03/18 12:25*	*05/14/18 12:18*	*10*
PCB-209L	*63*		*30 - 140*	*05/03/18 12:25*	*05/14/18 12:18*	*10*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
PCB-28L	*91*		*40 - 125*	*05/03/18 12:25*	*05/14/18 12:18*	*10*
PCB-111L	*89*		*40 - 125*	*05/03/18 12:25*	*05/14/18 12:18*	*10*
PCB-178L	*87*		*40 - 125*	*05/03/18 12:25*	*05/14/18 12:18*	*10*

Client Sample ID: PDI-SG-B306-BL1
Date Collected: 04/23/18 11:33
Date Received: 04/25/18 13:55

Lab Sample ID: 580-76830-3
Matrix: Solid
Percent Solids: 45.0

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1	**0.0011**	**J q**	0.011	0.00026	ng/g	☼	05/03/18 12:25	05/13/18 18:40	1
PCB-2	ND		0.011	0.00029	ng/g	☼	05/03/18 12:25	05/13/18 18:40	1
PCB-3	ND		0.011	0.00032	ng/g	☼	05/03/18 12:25	05/13/18 18:40	1
PCB-4	**0.0067**	**J q**	0.022	0.0036	ng/g	☼	05/03/18 12:25	05/13/18 18:40	1
PCB-5	ND		0.011	0.0028	ng/g	☼	05/03/18 12:25	05/13/18 18:40	1
PCB-6	ND		0.011	0.0025	ng/g	☼	05/03/18 12:25	05/13/18 18:40	1
PCB-7	ND		0.011	0.0025	ng/g	☼	05/03/18 12:25	05/13/18 18:40	1
PCB-8	**0.0071**	**J q**	0.022	0.0023	ng/g	☼	05/03/18 12:25	05/13/18 18:40	1
PCB-9	ND		0.011	0.0026	ng/g	☼	05/03/18 12:25	05/13/18 18:40	1
PCB-10	ND		0.011	0.0028	ng/g	☼	05/03/18 12:25	05/13/18 18:40	1
PCB-11	**0.033**	**q B**	0.022	0.0024	ng/g	☼	05/03/18 12:25	05/13/18 18:40	1
PCB-12	ND	C	0.022	0.0025	ng/g	☼	05/03/18 12:25	05/13/18 18:40	1
PCB-13	ND	C12	0.022	0.0025	ng/g	☼	05/03/18 12:25	05/13/18 18:40	1
PCB-14	ND		0.011	0.0021	ng/g	☼	05/03/18 12:25	05/13/18 18:40	1
PCB-15	**0.0069**	**J q**	0.011	0.0026	ng/g	☼	05/03/18 12:25	05/13/18 18:40	1
PCB-16	**0.0046**	**J**	0.011	0.00040	ng/g	☼	05/03/18 12:25	05/13/18 18:40	1
PCB-17	**0.0056**	**J q**	0.011	0.00036	ng/g	☼	05/03/18 12:25	05/13/18 18:40	1
PCB-18	**0.0097**	**J q C**	0.022	0.00032	ng/g	☼	05/03/18 12:25	05/13/18 18:40	1
PCB-19	**0.0061**	**J**	0.011	0.00044	ng/g	☼	05/03/18 12:25	05/13/18 18:40	1
PCB-20	**0.027**	**C**	0.022	0.00057	ng/g	☼	05/03/18 12:25	05/13/18 18:40	1
PCB-21	**0.0083**	**J C**	0.022	0.00056	ng/g	☼	05/03/18 12:25	05/13/18 18:40	1
PCB-22	**0.0085**	**J**	0.011	0.00059	ng/g	☼	05/03/18 12:25	05/13/18 18:40	1
PCB-23	ND		0.011	0.00058	ng/g	☼	05/03/18 12:25	05/13/18 18:40	1
PCB-24	ND		0.011	0.00030	ng/g	☼	05/03/18 12:25	05/13/18 18:40	1
PCB-25	**0.0030**	**J**	0.011	0.00053	ng/g	☼	05/03/18 12:25	05/13/18 18:40	1
PCB-26	**0.0046**	**J q C**	0.022	0.00056	ng/g	☼	05/03/18 12:25	05/13/18 18:40	1
PCB-27	**0.0017**	**J q**	0.011	0.00026	ng/g	☼	05/03/18 12:25	05/13/18 18:40	1
PCB-28	**0.027**	**C20**	0.022	0.00057	ng/g	☼	05/03/18 12:25	05/13/18 18:40	1
PCB-29	**0.0046**	**J q C26**	0.022	0.00056	ng/g	☼	05/03/18 12:25	05/13/18 18:40	1
PCB-30	**0.0097**	**J q C18**	0.022	0.00032	ng/g	☼	05/03/18 12:25	05/13/18 18:40	1
PCB-31	**0.021**	**J**	0.022	0.00056	ng/g	☼	05/03/18 12:25	05/13/18 18:40	1
PCB-32	**0.0050**	**J q**	0.011	0.00025	ng/g	☼	05/03/18 12:25	05/13/18 18:40	1
PCB-33	**0.0083**	**J C21**	0.022	0.00056	ng/g	☼	05/03/18 12:25	05/13/18 18:40	1
PCB-34	ND		0.011	0.00060	ng/g	☼	05/03/18 12:25	05/13/18 18:40	1
PCB-35	ND		0.011	0.00059	ng/g	☼	05/03/18 12:25	05/13/18 18:40	1
PCB-36	ND		0.011	0.00057	ng/g	☼	05/03/18 12:25	05/13/18 18:40	1
PCB-37	**0.0091**	**J**	0.011	0.00058	ng/g	☼	05/03/18 12:25	05/13/18 18:40	1
PCB-38	ND		0.011	0.00061	ng/g	☼	05/03/18 12:25	05/13/18 18:40	1
PCB-39	ND		0.011	0.00055	ng/g	☼	05/03/18 12:25	05/13/18 18:40	1
PCB-40	**0.015**	**J C**	0.033	0.0011	ng/g	☼	05/03/18 12:25	05/13/18 18:40	1
PCB-41	**0.015**	**J C40**	0.033	0.0011	ng/g	☼	05/03/18 12:25	05/13/18 18:40	1
PCB-42	**0.0079**	**J q**	0.011	0.0011	ng/g	☼	05/03/18 12:25	05/13/18 18:40	1
PCB-43	ND	C	0.022	0.0011	ng/g	☼	05/03/18 12:25	05/13/18 18:40	1
PCB-44	**0.049**	**C B**	0.033	0.0010	ng/g	☼	05/03/18 12:25	05/13/18 18:40	1
PCB-45	**0.0081**	**J C**	0.022	0.0012	ng/g	☼	05/03/18 12:25	05/13/18 18:40	1
PCB-46	ND		0.011	0.0014	ng/g	☼	05/03/18 12:25	05/13/18 18:40	1
PCB-47	**0.049**	**C44 B**	0.033	0.0010	ng/g	☼	05/03/18 12:25	05/13/18 18:40	1
PCB-48	**0.0045**	**J q**	0.011	0.0011	ng/g	☼	05/03/18 12:25	05/13/18 18:40	1
PCB-49	**0.035**	**C**	0.022	0.00093	ng/g	☼	05/03/18 12:25	05/13/18 18:40	1

Client Sample ID: PDI-SG-B306-BL1
Date Collected: 04/23/18 11:33
Date Received: 04/25/18 13:55

Lab Sample ID: 580-76830-3
Matrix: Solid
Percent Solids: 45.0

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-50	0.0086	J C	0.022	0.0011	ng/g	☼	05/03/18 12:25	05/13/18 18:40	1
PCB-51	0.0081	J C45	0.022	0.0012	ng/g	☼	05/03/18 12:25	05/13/18 18:40	1
PCB-52	0.068		0.011	0.0011	ng/g	☼	05/03/18 12:25	05/13/18 18:40	1
PCB-53	0.0086	J C50	0.022	0.0011	ng/g	☼	05/03/18 12:25	05/13/18 18:40	1
PCB-54	0.0012	J	0.011	0.000044	ng/g	☼	05/03/18 12:25	05/13/18 18:40	1
PCB-55	ND		0.011	0.00083	ng/g	☼	05/03/18 12:25	05/13/18 18:40	1
PCB-56	0.016		0.011	0.00083	ng/g	☼	05/03/18 12:25	05/13/18 18:40	1
PCB-57	ND		0.011	0.00084	ng/g	☼	05/03/18 12:25	05/13/18 18:40	1
PCB-58	ND		0.011	0.00085	ng/g	☼	05/03/18 12:25	05/13/18 18:40	1
PCB-59	0.0024	J q C	0.033	0.00080	ng/g	☼	05/03/18 12:25	05/13/18 18:40	1
PCB-60	0.0073	J	0.011	0.00084	ng/g	☼	05/03/18 12:25	05/13/18 18:40	1
PCB-61	0.079	C B	0.044	0.00079	ng/g	☼	05/03/18 12:25	05/13/18 18:40	1
PCB-62	0.0024	J q C59	0.033	0.00080	ng/g	☼	05/03/18 12:25	05/13/18 18:40	1
PCB-63	ND		0.011	0.00077	ng/g	☼	05/03/18 12:25	05/13/18 18:40	1
PCB-64	0.016		0.011	0.00076	ng/g	☼	05/03/18 12:25	05/13/18 18:40	1
PCB-65	0.049	C44 B	0.033	0.0010	ng/g	☼	05/03/18 12:25	05/13/18 18:40	1
PCB-66	0.044		0.011	0.00079	ng/g	☼	05/03/18 12:25	05/13/18 18:40	1
PCB-67	ND		0.011	0.00073	ng/g	☼	05/03/18 12:25	05/13/18 18:40	1
PCB-68	ND		0.011	0.00074	ng/g	☼	05/03/18 12:25	05/13/18 18:40	1
PCB-69	0.035	C49	0.022	0.00093	ng/g	☼	05/03/18 12:25	05/13/18 18:40	1
PCB-70	0.079	C61 B	0.044	0.00079	ng/g	☼	05/03/18 12:25	05/13/18 18:40	1
PCB-71	0.015	J C40	0.033	0.0011	ng/g	☼	05/03/18 12:25	05/13/18 18:40	1
PCB-72	ND		0.011	0.00082	ng/g	☼	05/03/18 12:25	05/13/18 18:40	1
PCB-73	ND	C43	0.022	0.0011	ng/g	☼	05/03/18 12:25	05/13/18 18:40	1
PCB-74	0.079	C61 B	0.044	0.00079	ng/g	☼	05/03/18 12:25	05/13/18 18:40	1
PCB-75	0.0024	J q C59	0.033	0.00080	ng/g	☼	05/03/18 12:25	05/13/18 18:40	1
PCB-76	0.079	C61 B	0.044	0.00079	ng/g	☼	05/03/18 12:25	05/13/18 18:40	1
PCB-77	0.0060	J B	0.011	0.00077	ng/g	☼	05/03/18 12:25	05/13/18 18:40	1
PCB-78	ND		0.011	0.00085	ng/g	☼	05/03/18 12:25	05/13/18 18:40	1
PCB-79	ND		0.011	0.00074	ng/g	☼	05/03/18 12:25	05/13/18 18:40	1
PCB-80	ND		0.011	0.00072	ng/g	☼	05/03/18 12:25	05/13/18 18:40	1
PCB-81	ND		0.011	0.00081	ng/g	☼	05/03/18 12:25	05/13/18 18:40	1
PCB-82	0.014		0.011	0.00033	ng/g	☼	05/03/18 12:25	05/13/18 18:40	1
PCB-83	0.080	C	0.022	0.00030	ng/g	☼	05/03/18 12:25	05/13/18 18:40	1
PCB-84	0.020	q B	0.011	0.00034	ng/g	☼	05/03/18 12:25	05/13/18 18:40	1
PCB-85	0.026	J C	0.033	0.00025	ng/g	☼	05/03/18 12:25	05/13/18 18:40	1
PCB-86	0.080	C B	0.067	0.00025	ng/g	☼	05/03/18 12:25	05/13/18 18:40	1
PCB-87	0.080	C86 B	0.067	0.00025	ng/g	☼	05/03/18 12:25	05/13/18 18:40	1
PCB-88	0.018	J q C	0.022	0.00030	ng/g	☼	05/03/18 12:25	05/13/18 18:40	1
PCB-89	ND		0.011	0.00033	ng/g	☼	05/03/18 12:25	05/13/18 18:40	1
PCB-90	0.13	C B	0.033	0.00025	ng/g	☼	05/03/18 12:25	05/13/18 18:40	1
PCB-91	0.018	J q C88	0.022	0.00030	ng/g	☼	05/03/18 12:25	05/13/18 18:40	1
PCB-92	0.022	q	0.011	0.00029	ng/g	☼	05/03/18 12:25	05/13/18 18:40	1
PCB-93	0.0027	J q C	0.022	0.00029	ng/g	☼	05/03/18 12:25	05/13/18 18:40	1
PCB-94	ND		0.011	0.00033	ng/g	☼	05/03/18 12:25	05/13/18 18:40	1
PCB-95	0.096	B	0.011	0.00032	ng/g	☼	05/03/18 12:25	05/13/18 18:40	1
PCB-96	ND		0.011	0.00025	ng/g	☼	05/03/18 12:25	05/13/18 18:40	1
PCB-97	0.080	C86 B	0.067	0.00025	ng/g	☼	05/03/18 12:25	05/13/18 18:40	1
PCB-98	0.0027	J q C	0.022	0.00028	ng/g	☼	05/03/18 12:25	05/13/18 18:40	1

Client Sample ID: PDI-SG-B306-BL1
Date Collected: 04/23/18 11:33
Date Received: 04/25/18 13:55

Lab Sample ID: 580-76830-3
Matrix: Solid
Percent Solids: 45.0

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-99	0.080	C83	0.022	0.00030	ng/g	☼	05/03/18 12:25	05/13/18 18:40	1
PCB-100	0.0027	J q C93	0.022	0.00029	ng/g	☼	05/03/18 12:25	05/13/18 18:40	1
PCB-101	0.13	C90 B	0.033	0.00025	ng/g	☼	05/03/18 12:25	05/13/18 18:40	1
PCB-102	0.0027	J q C98	0.022	0.00028	ng/g	☼	05/03/18 12:25	05/13/18 18:40	1
PCB-103	0.0023	J	0.011	0.00029	ng/g	☼	05/03/18 12:25	05/13/18 18:40	1
PCB-104	ND		0.011	0.00022	ng/g	☼	05/03/18 12:25	05/13/18 18:40	1
PCB-105	0.051	B	0.011	0.00082	ng/g	☼	05/03/18 12:25	05/13/18 18:40	1
PCB-106	ND		0.011	0.00085	ng/g	☼	05/03/18 12:25	05/13/18 18:40	1
PCB-107	0.011		0.011	0.00092	ng/g	☼	05/03/18 12:25	05/13/18 18:40	1
PCB-108	0.0047	J C	0.022	0.00088	ng/g	☼	05/03/18 12:25	05/13/18 18:40	1
PCB-109	0.080	C86 B	0.067	0.00025	ng/g	☼	05/03/18 12:25	05/13/18 18:40	1
PCB-110	0.16	C B	0.022	0.00021	ng/g	☼	05/03/18 12:25	05/13/18 18:40	1
PCB-111	ND		0.011	0.00020	ng/g	☼	05/03/18 12:25	05/13/18 18:40	1
PCB-112	ND		0.011	0.00021	ng/g	☼	05/03/18 12:25	05/13/18 18:40	1
PCB-113	0.13	C90 B	0.033	0.00025	ng/g	☼	05/03/18 12:25	05/13/18 18:40	1
PCB-114	ND		0.011	0.00078	ng/g	☼	05/03/18 12:25	05/13/18 18:40	1
PCB-115	0.16	C110 B	0.022	0.00021	ng/g	☼	05/03/18 12:25	05/13/18 18:40	1
PCB-116	0.026	J C85	0.033	0.00025	ng/g	☼	05/03/18 12:25	05/13/18 18:40	1
PCB-117	0.026	J C85	0.033	0.00025	ng/g	☼	05/03/18 12:25	05/13/18 18:40	1
PCB-118	0.12	B	0.011	0.00084	ng/g	☼	05/03/18 12:25	05/13/18 18:40	1
PCB-119	0.080	C86 B	0.067	0.00025	ng/g	☼	05/03/18 12:25	05/13/18 18:40	1
PCB-120	0.0013	J	0.011	0.00021	ng/g	☼	05/03/18 12:25	05/13/18 18:40	1
PCB-121	ND		0.011	0.00021	ng/g	☼	05/03/18 12:25	05/13/18 18:40	1
PCB-122	ND		0.011	0.00099	ng/g	☼	05/03/18 12:25	05/13/18 18:40	1
PCB-123	0.0020	J q B	0.011	0.00091	ng/g	☼	05/03/18 12:25	05/13/18 18:40	1
PCB-124	0.0047	J C108	0.022	0.00088	ng/g	☼	05/03/18 12:25	05/13/18 18:40	1
PCB-125	0.080	C86 B	0.067	0.00025	ng/g	☼	05/03/18 12:25	05/13/18 18:40	1
PCB-126	ND		0.011	0.00084	ng/g	☼	05/03/18 12:25	05/13/18 18:40	1
PCB-127	ND		0.011	0.00085	ng/g	☼	05/03/18 12:25	05/13/18 18:40	1
PCB-128	0.033	C B	0.022	0.0015	ng/g	☼	05/03/18 12:25	05/13/18 18:40	1
PCB-129	0.22	C B	0.044	0.0015	ng/g	☼	05/03/18 12:25	05/13/18 18:40	1
PCB-130	0.011		0.011	0.0020	ng/g	☼	05/03/18 12:25	05/13/18 18:40	1
PCB-131	ND		0.011	0.0021	ng/g	☼	05/03/18 12:25	05/13/18 18:40	1
PCB-132	0.055		0.011	0.0020	ng/g	☼	05/03/18 12:25	05/13/18 18:40	1
PCB-133	ND		0.011	0.0019	ng/g	☼	05/03/18 12:25	05/13/18 18:40	1
PCB-134	0.0076	J q C	0.022	0.0020	ng/g	☼	05/03/18 12:25	05/13/18 18:40	1
PCB-135	0.061	C	0.022	0.00024	ng/g	☼	05/03/18 12:25	05/13/18 18:40	1
PCB-136	0.016	q	0.011	0.00017	ng/g	☼	05/03/18 12:25	05/13/18 18:40	1
PCB-137	0.0077	J	0.011	0.0017	ng/g	☼	05/03/18 12:25	05/13/18 18:40	1
PCB-138	0.22	C129 B	0.044	0.0015	ng/g	☼	05/03/18 12:25	05/13/18 18:40	1
PCB-139	0.0026	J q C	0.022	0.0017	ng/g	☼	05/03/18 12:25	05/13/18 18:40	1
PCB-140	0.0026	J q C139	0.022	0.0017	ng/g	☼	05/03/18 12:25	05/13/18 18:40	1
PCB-141	0.036		0.011	0.0018	ng/g	☼	05/03/18 12:25	05/13/18 18:40	1
PCB-142	ND		0.011	0.0019	ng/g	☼	05/03/18 12:25	05/13/18 18:40	1
PCB-143	0.0076	J q C134	0.022	0.0020	ng/g	☼	05/03/18 12:25	05/13/18 18:40	1
PCB-144	0.0055	J q	0.011	0.00021	ng/g	☼	05/03/18 12:25	05/13/18 18:40	1
PCB-145	ND		0.011	0.00016	ng/g	☼	05/03/18 12:25	05/13/18 18:40	1
PCB-146	0.033		0.011	0.0017	ng/g	☼	05/03/18 12:25	05/13/18 18:40	1
PCB-147	0.16	C	0.022	0.0019	ng/g	☼	05/03/18 12:25	05/13/18 18:40	1

Client Sample ID: PDI-SG-B306-BL1
Date Collected: 04/23/18 11:33
Date Received: 04/25/18 13:55

Lab Sample ID: 580-76830-3
Matrix: Solid
Percent Solids: 45.0

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-148	ND		0.011	0.00023	ng/g	☼	05/03/18 12:25	05/13/18 18:40	1
PCB-149	**0.16**	**C147**	0.022	0.0019	ng/g	☼	05/03/18 12:25	05/13/18 18:40	1
PCB-150	**0.00049**	**J q**	0.011	0.00015	ng/g	☼	05/03/18 12:25	05/13/18 18:40	1
PCB-151	**0.061**	**C135**	0.022	0.00024	ng/g	☼	05/03/18 12:25	05/13/18 18:40	1
PCB-152	ND		0.011	0.00017	ng/g	☼	05/03/18 12:25	05/13/18 18:40	1
PCB-153	**0.18**	**C**	0.022	0.0013	ng/g	☼	05/03/18 12:25	05/13/18 18:40	1
PCB-154	**0.0016**	**J q**	0.011	0.00018	ng/g	☼	05/03/18 12:25	05/13/18 18:40	1
PCB-155	ND		0.011	0.00015	ng/g	☼	05/03/18 12:25	05/13/18 18:40	1
PCB-156	**0.021**	**J C B**	0.022	0.0016	ng/g	☼	05/03/18 12:25	05/13/18 18:40	1
PCB-157	**0.021**	**J C156 B**	0.022	0.0016	ng/g	☼	05/03/18 12:25	05/13/18 18:40	1
PCB-158	**0.020**		0.011	0.0012	ng/g	☼	05/03/18 12:25	05/13/18 18:40	1
PCB-159	ND		0.011	0.0013	ng/g	☼	05/03/18 12:25	05/13/18 18:40	1
PCB-160	**0.22**	**C129 B**	0.044	0.0015	ng/g	☼	05/03/18 12:25	05/13/18 18:40	1
PCB-161	ND		0.011	0.0013	ng/g	☼	05/03/18 12:25	05/13/18 18:40	1
PCB-162	ND		0.011	0.0013	ng/g	☼	05/03/18 12:25	05/13/18 18:40	1
PCB-163	**0.22**	**C129 B**	0.044	0.0015	ng/g	☼	05/03/18 12:25	05/13/18 18:40	1
PCB-164	**0.014**		0.011	0.0014	ng/g	☼	05/03/18 12:25	05/13/18 18:40	1
PCB-165	ND		0.011	0.0015	ng/g	☼	05/03/18 12:25	05/13/18 18:40	1
PCB-166	**0.033**	**C128 B**	0.022	0.0015	ng/g	☼	05/03/18 12:25	05/13/18 18:40	1
PCB-167	**0.0085**	**J**	0.011	0.0010	ng/g	☼	05/03/18 12:25	05/13/18 18:40	1
PCB-168	**0.18**	**C153**	0.022	0.0013	ng/g	☼	05/03/18 12:25	05/13/18 18:40	1
PCB-169	ND		0.011	0.00096	ng/g	☼	05/03/18 12:25	05/13/18 18:40	1
PCB-170	**0.063**		0.011	0.00077	ng/g	☼	05/03/18 12:25	05/13/18 18:40	1
PCB-171	**0.017**	**J C**	0.022	0.00073	ng/g	☼	05/03/18 12:25	05/13/18 18:40	1
PCB-172	**0.0078**	**J q**	0.011	0.00072	ng/g	☼	05/03/18 12:25	05/13/18 18:40	1
PCB-173	**0.017**	**J C171**	0.022	0.00073	ng/g	☼	05/03/18 12:25	05/13/18 18:40	1
PCB-174	**0.059**		0.011	0.00068	ng/g	☼	05/03/18 12:25	05/13/18 18:40	1
PCB-175	**0.0021**	**J q**	0.011	0.00066	ng/g	☼	05/03/18 12:25	05/13/18 18:40	1
PCB-176	**0.0049**	**J**	0.011	0.00050	ng/g	☼	05/03/18 12:25	05/13/18 18:40	1
PCB-177	**0.034**		0.011	0.00070	ng/g	☼	05/03/18 12:25	05/13/18 18:40	1
PCB-178	**0.014**		0.011	0.00071	ng/g	☼	05/03/18 12:25	05/13/18 18:40	1
PCB-179	**0.027**		0.011	0.00053	ng/g	☼	05/03/18 12:25	05/13/18 18:40	1
PCB-180	**0.13**	**C**	0.022	0.00055	ng/g	☼	05/03/18 12:25	05/13/18 18:40	1
PCB-181	**0.0012**	**J q**	0.011	0.00066	ng/g	☼	05/03/18 12:25	05/13/18 18:40	1
PCB-182	ND		0.011	0.00063	ng/g	☼	05/03/18 12:25	05/13/18 18:40	1
PCB-183	**0.039**	**C**	0.022	0.00064	ng/g	☼	05/03/18 12:25	05/13/18 18:40	1
PCB-184	ND		0.011	0.00054	ng/g	☼	05/03/18 12:25	05/13/18 18:40	1
PCB-185	**0.039**	**C183**	0.022	0.00064	ng/g	☼	05/03/18 12:25	05/13/18 18:40	1
PCB-186	ND		0.011	0.00052	ng/g	☼	05/03/18 12:25	05/13/18 18:40	1
PCB-187	**0.082**		0.011	0.00061	ng/g	☼	05/03/18 12:25	05/13/18 18:40	1
PCB-188	ND		0.011	0.00046	ng/g	☼	05/03/18 12:25	05/13/18 18:40	1
PCB-189	ND		0.011	0.0016	ng/g	☼	05/03/18 12:25	05/13/18 18:40	1
PCB-190	**0.011**	**q**	0.011	0.00047	ng/g	☼	05/03/18 12:25	05/13/18 18:40	1
PCB-191	**0.0021**	**J**	0.011	0.00049	ng/g	☼	05/03/18 12:25	05/13/18 18:40	1
PCB-192	ND		0.011	0.00055	ng/g	☼	05/03/18 12:25	05/13/18 18:40	1
PCB-193	**0.13**	**C180**	0.022	0.00055	ng/g	☼	05/03/18 12:25	05/13/18 18:40	1
PCB-194	**0.029**		0.011	0.0013	ng/g	☼	05/03/18 12:25	05/13/18 18:40	1
PCB-195	**0.012**		0.011	0.0014	ng/g	☼	05/03/18 12:25	05/13/18 18:40	1
PCB-196	**0.012**		0.011	0.00061	ng/g	☼	05/03/18 12:25	05/13/18 18:40	1

Client Sample ID: PDI-SG-B306-BL1
Date Collected: 04/23/18 11:33
Date Received: 04/25/18 13:55

Lab Sample ID: 580-76830-3
Matrix: Solid
Percent Solids: 45.0

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-197	ND		0.011	0.00046	ng/g	☼	05/03/18 12:25	05/13/18 18:40	1
PCB-198	**0.036**	**C B**	0.022	0.00062	ng/g	☼	05/03/18 12:25	05/13/18 18:40	1
PCB-199	**0.036**	**C198 B**	0.022	0.00062	ng/g	☼	05/03/18 12:25	05/13/18 18:40	1
PCB-200	**0.0035**	**J q**	0.011	0.00041	ng/g	☼	05/03/18 12:25	05/13/18 18:40	1
PCB-201	**0.0039**	**J**	0.011	0.00042	ng/g	☼	05/03/18 12:25	05/13/18 18:40	1
PCB-202	**0.0077**	**J**	0.011	0.00047	ng/g	☼	05/03/18 12:25	05/13/18 18:40	1
PCB-203	**0.021**		0.011	0.00055	ng/g	☼	05/03/18 12:25	05/13/18 18:40	1
PCB-204	ND		0.011	0.00046	ng/g	☼	05/03/18 12:25	05/13/18 18:40	1
PCB-205	ND		0.011	0.0011	ng/g	☼	05/03/18 12:25	05/13/18 18:40	1
PCB-206	**0.023**		0.011	0.0021	ng/g	☼	05/03/18 12:25	05/13/18 18:40	1
PCB-207	ND		0.011	0.0015	ng/g	☼	05/03/18 12:25	05/13/18 18:40	1
PCB-208	**0.0074**	**J**	0.011	0.0015	ng/g	☼	05/03/18 12:25	05/13/18 18:40	1
PCB-209	**0.045**		0.011	0.00049	ng/g	☼	05/03/18 12:25	05/13/18 18:40	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
PCB-1L	*74*		*30 - 140*	*05/03/18 12:25*	*05/13/18 18:40*	*1*
PCB-3L	*77*		*30 - 140*	*05/03/18 12:25*	*05/13/18 18:40*	*1*
PCB-4L	*71*		*30 - 140*	*05/03/18 12:25*	*05/13/18 18:40*	*1*
PCB-15L	*78*		*30 - 140*	*05/03/18 12:25*	*05/13/18 18:40*	*1*
PCB-19L	*85*		*30 - 140*	*05/03/18 12:25*	*05/13/18 18:40*	*1*
PCB-37L	*88*		*30 - 140*	*05/03/18 12:25*	*05/13/18 18:40*	*1*
PCB-54L	*88*		*30 - 140*	*05/03/18 12:25*	*05/13/18 18:40*	*1*
PCB-77L	*96*		*30 - 140*	*05/03/18 12:25*	*05/13/18 18:40*	*1*
PCB-81L	*91*		*30 - 140*	*05/03/18 12:25*	*05/13/18 18:40*	*1*
PCB-104L	*78*		*30 - 140*	*05/03/18 12:25*	*05/13/18 18:40*	*1*
PCB-105L	*86*		*30 - 140*	*05/03/18 12:25*	*05/13/18 18:40*	*1*
PCB-114L	*91*		*30 - 140*	*05/03/18 12:25*	*05/13/18 18:40*	*1*
PCB-118L	*87*		*30 - 140*	*05/03/18 12:25*	*05/13/18 18:40*	*1*
PCB-123L	*83*		*30 - 140*	*05/03/18 12:25*	*05/13/18 18:40*	*1*
PCB-126L	*91*		*30 - 140*	*05/03/18 12:25*	*05/13/18 18:40*	*1*
PCB-155L	*84*		*30 - 140*	*05/03/18 12:25*	*05/13/18 18:40*	*1*
PCB-156L	*90*	*C*	*30 - 140*	*05/03/18 12:25*	*05/13/18 18:40*	*1*
PCB-157L	*90*	*C156*	*30 - 140*	*05/03/18 12:25*	*05/13/18 18:40*	*1*
PCB-167L	*89*		*30 - 140*	*05/03/18 12:25*	*05/13/18 18:40*	*1*
PCB-169L	*95*		*30 - 140*	*05/03/18 12:25*	*05/13/18 18:40*	*1*
PCB-170L	*82*		*30 - 140*	*05/03/18 12:25*	*05/13/18 18:40*	*1*
PCB-188L	*86*		*30 - 140*	*05/03/18 12:25*	*05/13/18 18:40*	*1*
PCB-189L	*94*		*30 - 140*	*05/03/18 12:25*	*05/13/18 18:40*	*1*
PCB-202L	*90*		*30 - 140*	*05/03/18 12:25*	*05/13/18 18:40*	*1*
PCB-205L	*74*		*30 - 140*	*05/03/18 12:25*	*05/13/18 18:40*	*1*
PCB-206L	*74*		*30 - 140*	*05/03/18 12:25*	*05/13/18 18:40*	*1*
PCB-208L	*75*		*30 - 140*	*05/03/18 12:25*	*05/13/18 18:40*	*1*
PCB-209L	*66*		*30 - 140*	*05/03/18 12:25*	*05/13/18 18:40*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
PCB-28L	*94*		*40 - 125*	*05/03/18 12:25*	*05/13/18 18:40*	*1*
PCB-111L	*99*		*40 - 125*	*05/03/18 12:25*	*05/13/18 18:40*	*1*
PCB-178L	*90*		*40 - 125*	*05/03/18 12:25*	*05/13/18 18:40*	*1*

Client Sample ID: PDI-SG-B323-BL1
Date Collected: 04/23/18 12:35
Date Received: 04/25/18 13:55

Lab Sample ID: 580-76830-4
Matrix: Solid
Percent Solids: 45.6

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1	ND		0.011	0.00026	ng/g	☼	05/03/18 12:25	05/13/18 19:42	1
PCB-2	ND		0.011	0.00029	ng/g	☼	05/03/18 12:25	05/13/18 19:42	1
PCB-3	**0.0024**	**J q**	0.011	0.00032	ng/g	☼	05/03/18 12:25	05/13/18 19:42	1
PCB-4	ND		0.021	0.0030	ng/g	☼	05/03/18 12:25	05/13/18 19:42	1
PCB-5	ND		0.011	0.0024	ng/g	☼	05/03/18 12:25	05/13/18 19:42	1
PCB-6	ND		0.011	0.0021	ng/g	☼	05/03/18 12:25	05/13/18 19:42	1
PCB-7	ND		0.011	0.0021	ng/g	☼	05/03/18 12:25	05/13/18 19:42	1
PCB-8	**0.0090**	**J q**	0.021	0.0019	ng/g	☼	05/03/18 12:25	05/13/18 19:42	1
PCB-9	ND		0.011	0.0022	ng/g	☼	05/03/18 12:25	05/13/18 19:42	1
PCB-10	ND		0.011	0.0023	ng/g	☼	05/03/18 12:25	05/13/18 19:42	1
PCB-11	**0.067**	**q B**	0.021	0.0021	ng/g	☼	05/03/18 12:25	05/13/18 19:42	1
PCB-12	ND	C	0.021	0.0021	ng/g	☼	05/03/18 12:25	05/13/18 19:42	1
PCB-13	ND	C12	0.021	0.0021	ng/g	☼	05/03/18 12:25	05/13/18 19:42	1
PCB-14	ND		0.011	0.0018	ng/g	☼	05/03/18 12:25	05/13/18 19:42	1
PCB-15	**0.0084**	**J q**	0.011	0.0022	ng/g	☼	05/03/18 12:25	05/13/18 19:42	1
PCB-16	**0.0031**	**J q**	0.011	0.00039	ng/g	☼	05/03/18 12:25	05/13/18 19:42	1
PCB-17	**0.0088**	**J q**	0.011	0.00035	ng/g	☼	05/03/18 12:25	05/13/18 19:42	1
PCB-18	**0.016**	**J C**	0.021	0.00030	ng/g	☼	05/03/18 12:25	05/13/18 19:42	1
PCB-19	**0.010**	**J q**	0.011	0.00042	ng/g	☼	05/03/18 12:25	05/13/18 19:42	1
PCB-20	**0.038**	**C**	0.021	0.00052	ng/g	☼	05/03/18 12:25	05/13/18 19:42	1
PCB-21	**0.014**	**J C**	0.021	0.00051	ng/g	☼	05/03/18 12:25	05/13/18 19:42	1
PCB-22	**0.0094**	**J**	0.011	0.00053	ng/g	☼	05/03/18 12:25	05/13/18 19:42	1
PCB-23	ND		0.011	0.00053	ng/g	☼	05/03/18 12:25	05/13/18 19:42	1
PCB-24	ND		0.011	0.00029	ng/g	☼	05/03/18 12:25	05/13/18 19:42	1
PCB-25	**0.0038**	**J**	0.011	0.00048	ng/g	☼	05/03/18 12:25	05/13/18 19:42	1
PCB-26	**0.0057**	**J C**	0.021	0.00051	ng/g	☼	05/03/18 12:25	05/13/18 19:42	1
PCB-27	**0.0023**	**J**	0.011	0.00025	ng/g	☼	05/03/18 12:25	05/13/18 19:42	1
PCB-28	**0.038**	**C20**	0.021	0.00052	ng/g	☼	05/03/18 12:25	05/13/18 19:42	1
PCB-29	**0.0057**	**J C26**	0.021	0.00051	ng/g	☼	05/03/18 12:25	05/13/18 19:42	1
PCB-30	**0.016**	**J C18**	0.021	0.00030	ng/g	☼	05/03/18 12:25	05/13/18 19:42	1
PCB-31	**0.028**		0.021	0.00050	ng/g	☼	05/03/18 12:25	05/13/18 19:42	1
PCB-32	**0.0065**	**J q**	0.011	0.00024	ng/g	☼	05/03/18 12:25	05/13/18 19:42	1
PCB-33	**0.014**	**J C21**	0.021	0.00051	ng/g	☼	05/03/18 12:25	05/13/18 19:42	1
PCB-34	ND		0.011	0.00055	ng/g	☼	05/03/18 12:25	05/13/18 19:42	1
PCB-35	ND		0.011	0.00053	ng/g	☼	05/03/18 12:25	05/13/18 19:42	1
PCB-36	ND		0.011	0.00051	ng/g	☼	05/03/18 12:25	05/13/18 19:42	1
PCB-37	**0.0097**	**J**	0.011	0.00053	ng/g	☼	05/03/18 12:25	05/13/18 19:42	1
PCB-38	ND		0.011	0.00055	ng/g	☼	05/03/18 12:25	05/13/18 19:42	1
PCB-39	ND		0.011	0.00049	ng/g	☼	05/03/18 12:25	05/13/18 19:42	1
PCB-40	**0.018**	**J C**	0.032	0.0014	ng/g	☼	05/03/18 12:25	05/13/18 19:42	1
PCB-41	**0.018**	**J C40**	0.032	0.0014	ng/g	☼	05/03/18 12:25	05/13/18 19:42	1
PCB-42	**0.0094**	**J**	0.011	0.0014	ng/g	☼	05/03/18 12:25	05/13/18 19:42	1
PCB-43	ND	C	0.021	0.0013	ng/g	☼	05/03/18 12:25	05/13/18 19:42	1
PCB-44	**0.056**	**C B**	0.032	0.0013	ng/g	☼	05/03/18 12:25	05/13/18 19:42	1
PCB-45	**0.012**	**J C**	0.021	0.0015	ng/g	☼	05/03/18 12:25	05/13/18 19:42	1
PCB-46	ND		0.011	0.0018	ng/g	☼	05/03/18 12:25	05/13/18 19:42	1
PCB-47	**0.056**	**C44 B**	0.032	0.0013	ng/g	☼	05/03/18 12:25	05/13/18 19:42	1
PCB-48	**0.0054**	**J**	0.011	0.0014	ng/g	☼	05/03/18 12:25	05/13/18 19:42	1
PCB-49	**0.035**	**C**	0.021	0.0012	ng/g	☼	05/03/18 12:25	05/13/18 19:42	1

Client Sample ID: PDI-SG-B323-BL1
Date Collected: 04/23/18 12:35
Date Received: 04/25/18 13:55

Lab Sample ID: 580-76830-4
Matrix: Solid
Percent Solids: 45.6

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-50	**0.012**	**J C**	0.021	0.0014	ng/g	☼	05/03/18 12:25	05/13/18 19:42	1
PCB-51	**0.012**	**J C45**	0.021	0.0015	ng/g	☼	05/03/18 12:25	05/13/18 19:42	1
PCB-52	**0.066**		0.011	0.0014	ng/g	☼	05/03/18 12:25	05/13/18 19:42	1
PCB-53	**0.012**	**J C50**	0.021	0.0014	ng/g	☼	05/03/18 12:25	05/13/18 19:42	1
PCB-54	**0.0018**	**J q**	0.011	0.000070	ng/g	☼	05/03/18 12:25	05/13/18 19:42	1
PCB-55	ND		0.011	0.0010	ng/g	☼	05/03/18 12:25	05/13/18 19:42	1
PCB-56	**0.016**		0.011	0.0010	ng/g	☼	05/03/18 12:25	05/13/18 19:42	1
PCB-57	ND		0.011	0.0011	ng/g	☼	05/03/18 12:25	05/13/18 19:42	1
PCB-58	ND		0.011	0.0011	ng/g	☼	05/03/18 12:25	05/13/18 19:42	1
PCB-59	ND	C	0.032	0.0010	ng/g	☼	05/03/18 12:25	05/13/18 19:42	1
PCB-60	**0.0072**	**J**	0.011	0.0011	ng/g	☼	05/03/18 12:25	05/13/18 19:42	1
PCB-61	**0.071**	**C B**	0.042	0.00099	ng/g	☼	05/03/18 12:25	05/13/18 19:42	1
PCB-62	ND	C59	0.032	0.0010	ng/g	☼	05/03/18 12:25	05/13/18 19:42	1
PCB-63	ND		0.011	0.00096	ng/g	☼	05/03/18 12:25	05/13/18 19:42	1
PCB-64	**0.015**		0.011	0.00095	ng/g	☼	05/03/18 12:25	05/13/18 19:42	1
PCB-65	**0.056**	**C44 B**	0.032	0.0013	ng/g	☼	05/03/18 12:25	05/13/18 19:42	1
PCB-66	**0.038**		0.011	0.00098	ng/g	☼	05/03/18 12:25	05/13/18 19:42	1
PCB-67	ND		0.011	0.00091	ng/g	☼	05/03/18 12:25	05/13/18 19:42	1
PCB-68	ND		0.011	0.00093	ng/g	☼	05/03/18 12:25	05/13/18 19:42	1
PCB-69	**0.035**	**C49**	0.021	0.0012	ng/g	☼	05/03/18 12:25	05/13/18 19:42	1
PCB-70	**0.071**	**C61 B**	0.042	0.00099	ng/g	☼	05/03/18 12:25	05/13/18 19:42	1
PCB-71	**0.018**	**J C40**	0.032	0.0014	ng/g	☼	05/03/18 12:25	05/13/18 19:42	1
PCB-72	ND		0.011	0.0010	ng/g	☼	05/03/18 12:25	05/13/18 19:42	1
PCB-73	ND	C43	0.021	0.0013	ng/g	☼	05/03/18 12:25	05/13/18 19:42	1
PCB-74	**0.071**	**C61 B**	0.042	0.00099	ng/g	☼	05/03/18 12:25	05/13/18 19:42	1
PCB-75	ND	C59	0.032	0.0010	ng/g	☼	05/03/18 12:25	05/13/18 19:42	1
PCB-76	**0.071**	**C61 B**	0.042	0.00099	ng/g	☼	05/03/18 12:25	05/13/18 19:42	1
PCB-77	**0.0056**	**J B**	0.011	0.00096	ng/g	☼	05/03/18 12:25	05/13/18 19:42	1
PCB-78	ND		0.011	0.0011	ng/g	☼	05/03/18 12:25	05/13/18 19:42	1
PCB-79	ND		0.011	0.00092	ng/g	☼	05/03/18 12:25	05/13/18 19:42	1
PCB-80	ND		0.011	0.00090	ng/g	☼	05/03/18 12:25	05/13/18 19:42	1
PCB-81	ND		0.011	0.0010	ng/g	☼	05/03/18 12:25	05/13/18 19:42	1
PCB-82	**0.011**		0.011	0.00037	ng/g	☼	05/03/18 12:25	05/13/18 19:42	1
PCB-83	**0.066**	**C**	0.021	0.00034	ng/g	☼	05/03/18 12:25	05/13/18 19:42	1
PCB-84	**0.021**	**q B**	0.011	0.00038	ng/g	☼	05/03/18 12:25	05/13/18 19:42	1
PCB-85	**0.021**	**J C**	0.032	0.00028	ng/g	☼	05/03/18 12:25	05/13/18 19:42	1
PCB-86	**0.063**	**C B**	0.063	0.00028	ng/g	☼	05/03/18 12:25	05/13/18 19:42	1
PCB-87	**0.063**	**C86 B**	0.063	0.00028	ng/g	☼	05/03/18 12:25	05/13/18 19:42	1
PCB-88	**0.017**	**J C**	0.021	0.00034	ng/g	☼	05/03/18 12:25	05/13/18 19:42	1
PCB-89	ND		0.011	0.00037	ng/g	☼	05/03/18 12:25	05/13/18 19:42	1
PCB-90	**0.11**	**C B**	0.032	0.00028	ng/g	☼	05/03/18 12:25	05/13/18 19:42	1
PCB-91	**0.017**	**J C88**	0.021	0.00034	ng/g	☼	05/03/18 12:25	05/13/18 19:42	1
PCB-92	**0.019**		0.011	0.00032	ng/g	☼	05/03/18 12:25	05/13/18 19:42	1
PCB-93	**0.0023**	**J q C**	0.021	0.00032	ng/g	☼	05/03/18 12:25	05/13/18 19:42	1
PCB-94	ND		0.011	0.00037	ng/g	☼	05/03/18 12:25	05/13/18 19:42	1
PCB-95	**0.085**	**B**	0.011	0.00035	ng/g	☼	05/03/18 12:25	05/13/18 19:42	1
PCB-96	ND		0.011	0.00028	ng/g	☼	05/03/18 12:25	05/13/18 19:42	1
PCB-97	**0.063**	**C86 B**	0.063	0.00028	ng/g	☼	05/03/18 12:25	05/13/18 19:42	1
PCB-98	**0.0033**	**J C**	0.021	0.00031	ng/g	☼	05/03/18 12:25	05/13/18 19:42	1

Client Sample ID: PDI-SG-B323-BL1
Date Collected: 04/23/18 12:35
Date Received: 04/25/18 13:55

Lab Sample ID: 580-76830-4
Matrix: Solid
Percent Solids: 45.6

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-99	0.066	C83	0.021	0.00034	ng/g	☼	05/03/18 12:25	05/13/18 19:42	1
PCB-100	0.0023	J q C93	0.021	0.00032	ng/g	☼	05/03/18 12:25	05/13/18 19:42	1
PCB-101	0.11	C90 B	0.032	0.00028	ng/g	☼	05/03/18 12:25	05/13/18 19:42	1
PCB-102	0.0033	J C98	0.021	0.00031	ng/g	☼	05/03/18 12:25	05/13/18 19:42	1
PCB-103	0.0020	J q	0.011	0.00032	ng/g	☼	05/03/18 12:25	05/13/18 19:42	1
PCB-104	ND		0.011	0.00025	ng/g	☼	05/03/18 12:25	05/13/18 19:42	1
PCB-105	0.039	B	0.011	0.00087	ng/g	☼	05/03/18 12:25	05/13/18 19:42	1
PCB-106	ND		0.011	0.00096	ng/g	☼	05/03/18 12:25	05/13/18 19:42	1
PCB-107	0.0067	J q	0.011	0.0010	ng/g	☼	05/03/18 12:25	05/13/18 19:42	1
PCB-108	0.0041	J C	0.021	0.00099	ng/g	☼	05/03/18 12:25	05/13/18 19:42	1
PCB-109	0.063	C86 B	0.063	0.00028	ng/g	☼	05/03/18 12:25	05/13/18 19:42	1
PCB-110	0.13	C B	0.021	0.00024	ng/g	☼	05/03/18 12:25	05/13/18 19:42	1
PCB-111	ND		0.011	0.00023	ng/g	☼	05/03/18 12:25	05/13/18 19:42	1
PCB-112	ND		0.011	0.00024	ng/g	☼	05/03/18 12:25	05/13/18 19:42	1
PCB-113	0.11	C90 B	0.032	0.00028	ng/g	☼	05/03/18 12:25	05/13/18 19:42	1
PCB-114	ND		0.011	0.00092	ng/g	☼	05/03/18 12:25	05/13/18 19:42	1
PCB-115	0.13	C110 B	0.021	0.00024	ng/g	☼	05/03/18 12:25	05/13/18 19:42	1
PCB-116	0.021	J C85	0.032	0.00028	ng/g	☼	05/03/18 12:25	05/13/18 19:42	1
PCB-117	0.021	J C85	0.032	0.00028	ng/g	☼	05/03/18 12:25	05/13/18 19:42	1
PCB-118	0.095	B	0.011	0.00095	ng/g	☼	05/03/18 12:25	05/13/18 19:42	1
PCB-119	0.063	C86 B	0.063	0.00028	ng/g	☼	05/03/18 12:25	05/13/18 19:42	1
PCB-120	0.0011	J q	0.011	0.00023	ng/g	☼	05/03/18 12:25	05/13/18 19:42	1
PCB-121	ND		0.011	0.00024	ng/g	☼	05/03/18 12:25	05/13/18 19:42	1
PCB-122	ND		0.011	0.0011	ng/g	☼	05/03/18 12:25	05/13/18 19:42	1
PCB-123	0.0016	J B	0.011	0.00099	ng/g	☼	05/03/18 12:25	05/13/18 19:42	1
PCB-124	0.0041	J C108	0.021	0.00099	ng/g	☼	05/03/18 12:25	05/13/18 19:42	1
PCB-125	0.063	C86 B	0.063	0.00028	ng/g	☼	05/03/18 12:25	05/13/18 19:42	1
PCB-126	ND		0.011	0.00098	ng/g	☼	05/03/18 12:25	05/13/18 19:42	1
PCB-127	ND		0.011	0.00096	ng/g	☼	05/03/18 12:25	05/13/18 19:42	1
PCB-128	0.028	C B	0.021	0.0015	ng/g	☼	05/03/18 12:25	05/13/18 19:42	1
PCB-129	0.19	C B	0.042	0.0015	ng/g	☼	05/03/18 12:25	05/13/18 19:42	1
PCB-130	0.0090	J q	0.011	0.0020	ng/g	☼	05/03/18 12:25	05/13/18 19:42	1
PCB-131	ND		0.011	0.0021	ng/g	☼	05/03/18 12:25	05/13/18 19:42	1
PCB-132	0.046		0.011	0.0019	ng/g	☼	05/03/18 12:25	05/13/18 19:42	1
PCB-133	ND		0.011	0.0019	ng/g	☼	05/03/18 12:25	05/13/18 19:42	1
PCB-134	0.0074	J q C	0.021	0.0020	ng/g	☼	05/03/18 12:25	05/13/18 19:42	1
PCB-135	0.053	C	0.021	0.00013	ng/g	☼	05/03/18 12:25	05/13/18 19:42	1
PCB-136	0.017		0.011	0.000093	ng/g	☼	05/03/18 12:25	05/13/18 19:42	1
PCB-137	0.0069	J q	0.011	0.0017	ng/g	☼	05/03/18 12:25	05/13/18 19:42	1
PCB-138	0.19	C129 B	0.042	0.0015	ng/g	☼	05/03/18 12:25	05/13/18 19:42	1
PCB-139	ND	C	0.021	0.0017	ng/g	☼	05/03/18 12:25	05/13/18 19:42	1
PCB-140	ND	C139	0.021	0.0017	ng/g	☼	05/03/18 12:25	05/13/18 19:42	1
PCB-141	0.033		0.011	0.0018	ng/g	☼	05/03/18 12:25	05/13/18 19:42	1
PCB-142	ND		0.011	0.0019	ng/g	☼	05/03/18 12:25	05/13/18 19:42	1
PCB-143	0.0074	J q C134	0.021	0.0020	ng/g	☼	05/03/18 12:25	05/13/18 19:42	1
PCB-144	0.0041	J q	0.011	0.00012	ng/g	☼	05/03/18 12:25	05/13/18 19:42	1
PCB-145	ND		0.011	0.000089	ng/g	☼	05/03/18 12:25	05/13/18 19:42	1
PCB-146	0.029		0.011	0.0017	ng/g	☼	05/03/18 12:25	05/13/18 19:42	1
PCB-147	0.14	C	0.021	0.0019	ng/g	☼	05/03/18 12:25	05/13/18 19:42	1

Client Sample ID: PDI-SG-B323-BL1
Date Collected: 04/23/18 12:35
Date Received: 04/25/18 13:55

Lab Sample ID: 580-76830-4
Matrix: Solid
Percent Solids: 45.6

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-148	ND		0.011	0.00013	ng/g	☼	05/03/18 12:25	05/13/18 19:42	1
PCB-149	**0.14**	**C147**	0.021	0.0019	ng/g	☼	05/03/18 12:25	05/13/18 19:42	1
PCB-150	ND		0.011	0.000085	ng/g	☼	05/03/18 12:25	05/13/18 19:42	1
PCB-151	**0.053**	**C135**	0.021	0.00013	ng/g	☼	05/03/18 12:25	05/13/18 19:42	1
PCB-152	ND		0.011	0.000091	ng/g	☼	05/03/18 12:25	05/13/18 19:42	1
PCB-153	**0.15**	**C**	0.021	0.0013	ng/g	☼	05/03/18 12:25	05/13/18 19:42	1
PCB-154	**0.0015**	**J q**	0.011	0.00010	ng/g	☼	05/03/18 12:25	05/13/18 19:42	1
PCB-155	ND		0.011	0.000085	ng/g	☼	05/03/18 12:25	05/13/18 19:42	1
PCB-156	**0.019**	**J C B**	0.021	0.0016	ng/g	☼	05/03/18 12:25	05/13/18 19:42	1
PCB-157	**0.019**	**J C156 B**	0.021	0.0016	ng/g	☼	05/03/18 12:25	05/13/18 19:42	1
PCB-158	**0.015**	**q**	0.011	0.0012	ng/g	☼	05/03/18 12:25	05/13/18 19:42	1
PCB-159	ND		0.011	0.0013	ng/g	☼	05/03/18 12:25	05/13/18 19:42	1
PCB-160	**0.19**	**C129 B**	0.042	0.0015	ng/g	☼	05/03/18 12:25	05/13/18 19:42	1
PCB-161	ND		0.011	0.0012	ng/g	☼	05/03/18 12:25	05/13/18 19:42	1
PCB-162	ND		0.011	0.0012	ng/g	☼	05/03/18 12:25	05/13/18 19:42	1
PCB-163	**0.19**	**C129 B**	0.042	0.0015	ng/g	☼	05/03/18 12:25	05/13/18 19:42	1
PCB-164	**0.012**		0.011	0.0013	ng/g	☼	05/03/18 12:25	05/13/18 19:42	1
PCB-165	ND		0.011	0.0014	ng/g	☼	05/03/18 12:25	05/13/18 19:42	1
PCB-166	**0.028**	**C128 B**	0.021	0.0015	ng/g	☼	05/03/18 12:25	05/13/18 19:42	1
PCB-167	**0.0071**	**J**	0.011	0.0010	ng/g	☼	05/03/18 12:25	05/13/18 19:42	1
PCB-168	**0.15**	**C153**	0.021	0.0013	ng/g	☼	05/03/18 12:25	05/13/18 19:42	1
PCB-169	ND		0.011	0.00092	ng/g	☼	05/03/18 12:25	05/13/18 19:42	1
PCB-170	**0.053**		0.011	0.00088	ng/g	☼	05/03/18 12:25	05/13/18 19:42	1
PCB-171	**0.016**	**J C**	0.021	0.00082	ng/g	☼	05/03/18 12:25	05/13/18 19:42	1
PCB-172	**0.0097**	**J**	0.011	0.00081	ng/g	☼	05/03/18 12:25	05/13/18 19:42	1
PCB-173	**0.016**	**J C171**	0.021	0.00082	ng/g	☼	05/03/18 12:25	05/13/18 19:42	1
PCB-174	**0.047**		0.011	0.00076	ng/g	☼	05/03/18 12:25	05/13/18 19:42	1
PCB-175	ND		0.011	0.00074	ng/g	☼	05/03/18 12:25	05/13/18 19:42	1
PCB-176	**0.0053**	**J**	0.011	0.00056	ng/g	☼	05/03/18 12:25	05/13/18 19:42	1
PCB-177	**0.031**		0.011	0.00078	ng/g	☼	05/03/18 12:25	05/13/18 19:42	1
PCB-178	**0.0089**	**J q**	0.011	0.00080	ng/g	☼	05/03/18 12:25	05/13/18 19:42	1
PCB-179	**0.026**		0.011	0.00059	ng/g	☼	05/03/18 12:25	05/13/18 19:42	1
PCB-180	**0.11**	**C**	0.021	0.00062	ng/g	☼	05/03/18 12:25	05/13/18 19:42	1
PCB-181	ND		0.011	0.00073	ng/g	☼	05/03/18 12:25	05/13/18 19:42	1
PCB-182	ND		0.011	0.00071	ng/g	☼	05/03/18 12:25	05/13/18 19:42	1
PCB-183	**0.031**	**C**	0.021	0.00072	ng/g	☼	05/03/18 12:25	05/13/18 19:42	1
PCB-184	ND		0.011	0.00060	ng/g	☼	05/03/18 12:25	05/13/18 19:42	1
PCB-185	**0.031**	**C183**	0.021	0.00072	ng/g	☼	05/03/18 12:25	05/13/18 19:42	1
PCB-186	ND		0.011	0.00059	ng/g	☼	05/03/18 12:25	05/13/18 19:42	1
PCB-187	**0.072**		0.011	0.00068	ng/g	☼	05/03/18 12:25	05/13/18 19:42	1
PCB-188	ND		0.011	0.00051	ng/g	☼	05/03/18 12:25	05/13/18 19:42	1
PCB-189	ND		0.011	0.0014	ng/g	☼	05/03/18 12:25	05/13/18 19:42	1
PCB-190	**0.0087**	**J q**	0.011	0.00053	ng/g	☼	05/03/18 12:25	05/13/18 19:42	1
PCB-191	**0.0033**	**J**	0.011	0.00055	ng/g	☼	05/03/18 12:25	05/13/18 19:42	1
PCB-192	ND		0.011	0.00062	ng/g	☼	05/03/18 12:25	05/13/18 19:42	1
PCB-193	**0.11**	**C180**	0.021	0.00062	ng/g	☼	05/03/18 12:25	05/13/18 19:42	1
PCB-194	**0.027**		0.011	0.0015	ng/g	☼	05/03/18 12:25	05/13/18 19:42	1
PCB-195	**0.013**		0.011	0.0016	ng/g	☼	05/03/18 12:25	05/13/18 19:42	1
PCB-196	**0.011**		0.011	0.00049	ng/g	☼	05/03/18 12:25	05/13/18 19:42	1

Client Sample ID: PDI-SG-B323-BL1
Date Collected: 04/23/18 12:35
Date Received: 04/25/18 13:55

Lab Sample ID: 580-76830-4
Matrix: Solid
Percent Solids: 45.6

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-197	ND		0.011	0.00038	ng/g	☼	05/03/18 12:25	05/13/18 19:42	1
PCB-198	**0.032**	**C B**	0.021	0.00050	ng/g	☼	05/03/18 12:25	05/13/18 19:42	1
PCB-199	**0.032**	**C198 B**	0.021	0.00050	ng/g	☼	05/03/18 12:25	05/13/18 19:42	1
PCB-200	**0.0024**	**J q**	0.011	0.00034	ng/g	☼	05/03/18 12:25	05/13/18 19:42	1
PCB-201	**0.0028**	**J q**	0.011	0.00034	ng/g	☼	05/03/18 12:25	05/13/18 19:42	1
PCB-202	**0.0063**	**J**	0.011	0.00038	ng/g	☼	05/03/18 12:25	05/13/18 19:42	1
PCB-203	**0.018**		0.011	0.00045	ng/g	☼	05/03/18 12:25	05/13/18 19:42	1
PCB-204	ND		0.011	0.00038	ng/g	☼	05/03/18 12:25	05/13/18 19:42	1
PCB-205	ND		0.011	0.0012	ng/g	☼	05/03/18 12:25	05/13/18 19:42	1
PCB-206	**0.020**		0.011	0.0027	ng/g	☼	05/03/18 12:25	05/13/18 19:42	1
PCB-207	ND		0.011	0.0018	ng/g	☼	05/03/18 12:25	05/13/18 19:42	1
PCB-208	**0.0068**	**J**	0.011	0.0017	ng/g	☼	05/03/18 12:25	05/13/18 19:42	1
PCB-209	**0.034**		0.011	0.00067	ng/g	☼	05/03/18 12:25	05/13/18 19:42	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
PCB-1L	*72*		*30 - 140*	*05/03/18 12:25*	*05/13/18 19:42*	*1*
PCB-3L	*76*		*30 - 140*	*05/03/18 12:25*	*05/13/18 19:42*	*1*
PCB-4L	*70*		*30 - 140*	*05/03/18 12:25*	*05/13/18 19:42*	*1*
PCB-15L	*75*		*30 - 140*	*05/03/18 12:25*	*05/13/18 19:42*	*1*
PCB-19L	*81*		*30 - 140*	*05/03/18 12:25*	*05/13/18 19:42*	*1*
PCB-37L	*86*		*30 - 140*	*05/03/18 12:25*	*05/13/18 19:42*	*1*
PCB-54L	*81*		*30 - 140*	*05/03/18 12:25*	*05/13/18 19:42*	*1*
PCB-77L	*92*		*30 - 140*	*05/03/18 12:25*	*05/13/18 19:42*	*1*
PCB-81L	*85*		*30 - 140*	*05/03/18 12:25*	*05/13/18 19:42*	*1*
PCB-104L	*76*		*30 - 140*	*05/03/18 12:25*	*05/13/18 19:42*	*1*
PCB-105L	*85*		*30 - 140*	*05/03/18 12:25*	*05/13/18 19:42*	*1*
PCB-114L	*86*		*30 - 140*	*05/03/18 12:25*	*05/13/18 19:42*	*1*
PCB-118L	*84*		*30 - 140*	*05/03/18 12:25*	*05/13/18 19:42*	*1*
PCB-123L	*84*		*30 - 140*	*05/03/18 12:25*	*05/13/18 19:42*	*1*
PCB-126L	*87*		*30 - 140*	*05/03/18 12:25*	*05/13/18 19:42*	*1*
PCB-155L	*84*		*30 - 140*	*05/03/18 12:25*	*05/13/18 19:42*	*1*
PCB-156L	*84*	*C*	*30 - 140*	*05/03/18 12:25*	*05/13/18 19:42*	*1*
PCB-157L	*84*	*C156*	*30 - 140*	*05/03/18 12:25*	*05/13/18 19:42*	*1*
PCB-167L	*85*		*30 - 140*	*05/03/18 12:25*	*05/13/18 19:42*	*1*
PCB-169L	*88*		*30 - 140*	*05/03/18 12:25*	*05/13/18 19:42*	*1*
PCB-170L	*78*		*30 - 140*	*05/03/18 12:25*	*05/13/18 19:42*	*1*
PCB-188L	*85*		*30 - 140*	*05/03/18 12:25*	*05/13/18 19:42*	*1*
PCB-189L	*91*		*30 - 140*	*05/03/18 12:25*	*05/13/18 19:42*	*1*
PCB-202L	*89*		*30 - 140*	*05/03/18 12:25*	*05/13/18 19:42*	*1*
PCB-205L	*70*		*30 - 140*	*05/03/18 12:25*	*05/13/18 19:42*	*1*
PCB-206L	*70*		*30 - 140*	*05/03/18 12:25*	*05/13/18 19:42*	*1*
PCB-208L	*76*		*30 - 140*	*05/03/18 12:25*	*05/13/18 19:42*	*1*
PCB-209L	*58*		*30 - 140*	*05/03/18 12:25*	*05/13/18 19:42*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
PCB-28L	*96*		*40 - 125*	*05/03/18 12:25*	*05/13/18 19:42*	*1*
PCB-111L	*94*		*40 - 125*	*05/03/18 12:25*	*05/13/18 19:42*	*1*
PCB-178L	*88*		*40 - 125*	*05/03/18 12:25*	*05/13/18 19:42*	*1*

Client Sample ID: PDI-SG-B329-BL1
Date Collected: 04/23/18 14:06
Date Received: 04/25/18 13:55

Lab Sample ID: 580-76830-5
Matrix: Solid
Percent Solids: 39.3

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1	ND		0.012	0.00027	ng/g	☼	05/03/18 12:25	05/13/18 20:44	1
PCB-2	ND		0.012	0.00031	ng/g	☼	05/03/18 12:25	05/13/18 20:44	1
PCB-3	ND		0.012	0.00034	ng/g	☼	05/03/18 12:25	05/13/18 20:44	1
PCB-4	ND		0.025	0.0029	ng/g	☼	05/03/18 12:25	05/13/18 20:44	1
PCB-5	ND		0.012	0.0022	ng/g	☼	05/03/18 12:25	05/13/18 20:44	1
PCB-6	ND		0.012	0.0019	ng/g	☼	05/03/18 12:25	05/13/18 20:44	1
PCB-7	ND		0.012	0.0019	ng/g	☼	05/03/18 12:25	05/13/18 20:44	1
PCB-8	**0.0077**	**J q**	0.025	0.0018	ng/g	☼	05/03/18 12:25	05/13/18 20:44	1
PCB-9	ND		0.012	0.0020	ng/g	☼	05/03/18 12:25	05/13/18 20:44	1
PCB-10	ND		0.012	0.0021	ng/g	☼	05/03/18 12:25	05/13/18 20:44	1
PCB-11	**0.047**	**B**	0.025	0.0019	ng/g	☼	05/03/18 12:25	05/13/18 20:44	1
PCB-12	ND	C	0.025	0.0019	ng/g	☼	05/03/18 12:25	05/13/18 20:44	1
PCB-13	ND	C12	0.025	0.0019	ng/g	☼	05/03/18 12:25	05/13/18 20:44	1
PCB-14	ND		0.012	0.0016	ng/g	☼	05/03/18 12:25	05/13/18 20:44	1
PCB-15	**0.010**	**J**	0.012	0.0019	ng/g	☼	05/03/18 12:25	05/13/18 20:44	1
PCB-16	**0.0037**	**J q**	0.012	0.00035	ng/g	☼	05/03/18 12:25	05/13/18 20:44	1
PCB-17	**0.0058**	**J q**	0.012	0.00032	ng/g	☼	05/03/18 12:25	05/13/18 20:44	1
PCB-18	**0.010**	**J q C**	0.025	0.00028	ng/g	☼	05/03/18 12:25	05/13/18 20:44	1
PCB-19	**0.0038**	**J q**	0.012	0.00039	ng/g	☼	05/03/18 12:25	05/13/18 20:44	1
PCB-20	**0.034**	**C**	0.025	0.00053	ng/g	☼	05/03/18 12:25	05/13/18 20:44	1
PCB-21	**0.011**	**J C**	0.025	0.00052	ng/g	☼	05/03/18 12:25	05/13/18 20:44	1
PCB-22	**0.0093**	**J**	0.012	0.00054	ng/g	☼	05/03/18 12:25	05/13/18 20:44	1
PCB-23	ND		0.012	0.00054	ng/g	☼	05/03/18 12:25	05/13/18 20:44	1
PCB-24	ND		0.012	0.00027	ng/g	☼	05/03/18 12:25	05/13/18 20:44	1
PCB-25	**0.0029**	**J q**	0.012	0.00049	ng/g	☼	05/03/18 12:25	05/13/18 20:44	1
PCB-26	**0.0046**	**J q C**	0.025	0.00052	ng/g	☼	05/03/18 12:25	05/13/18 20:44	1
PCB-27	**0.0014**	**J q**	0.012	0.00023	ng/g	☼	05/03/18 12:25	05/13/18 20:44	1
PCB-28	**0.034**	**C20**	0.025	0.00053	ng/g	☼	05/03/18 12:25	05/13/18 20:44	1
PCB-29	**0.0046**	**J q C26**	0.025	0.00052	ng/g	☼	05/03/18 12:25	05/13/18 20:44	1
PCB-30	**0.010**	**J q C18**	0.025	0.00028	ng/g	☼	05/03/18 12:25	05/13/18 20:44	1
PCB-31	**0.025**		0.025	0.00052	ng/g	☼	05/03/18 12:25	05/13/18 20:44	1
PCB-32	**0.0043**	**J q**	0.012	0.00022	ng/g	☼	05/03/18 12:25	05/13/18 20:44	1
PCB-33	**0.011**	**J C21**	0.025	0.00052	ng/g	☼	05/03/18 12:25	05/13/18 20:44	1
PCB-34	ND		0.012	0.00056	ng/g	☼	05/03/18 12:25	05/13/18 20:44	1
PCB-35	ND		0.012	0.00055	ng/g	☼	05/03/18 12:25	05/13/18 20:44	1
PCB-36	ND		0.012	0.00052	ng/g	☼	05/03/18 12:25	05/13/18 20:44	1
PCB-37	**0.012**		0.012	0.00054	ng/g	☼	05/03/18 12:25	05/13/18 20:44	1
PCB-38	ND		0.012	0.00056	ng/g	☼	05/03/18 12:25	05/13/18 20:44	1
PCB-39	ND		0.012	0.00051	ng/g	☼	05/03/18 12:25	05/13/18 20:44	1
PCB-40	**0.016**	**J C**	0.037	0.0012	ng/g	☼	05/03/18 12:25	05/13/18 20:44	1
PCB-41	**0.016**	**J C40**	0.037	0.0012	ng/g	☼	05/03/18 12:25	05/13/18 20:44	1
PCB-42	**0.0082**	**J q**	0.012	0.0012	ng/g	☼	05/03/18 12:25	05/13/18 20:44	1
PCB-43	ND	C	0.025	0.0011	ng/g	☼	05/03/18 12:25	05/13/18 20:44	1
PCB-44	**0.044**	**C B**	0.037	0.0011	ng/g	☼	05/03/18 12:25	05/13/18 20:44	1
PCB-45	**0.0051**	**J q C**	0.025	0.0013	ng/g	☼	05/03/18 12:25	05/13/18 20:44	1
PCB-46	ND		0.012	0.0015	ng/g	☼	05/03/18 12:25	05/13/18 20:44	1
PCB-47	**0.044**	**C44 B**	0.037	0.0011	ng/g	☼	05/03/18 12:25	05/13/18 20:44	1
PCB-48	**0.0058**	**J**	0.012	0.0012	ng/g	☼	05/03/18 12:25	05/13/18 20:44	1
PCB-49	**0.034**	**C**	0.025	0.00098	ng/g	☼	05/03/18 12:25	05/13/18 20:44	1

Client Sample ID: PDI-SG-B329-BL1
Date Collected: 04/23/18 14:06
Date Received: 04/25/18 13:55

Lab Sample ID: 580-76830-5
Matrix: Solid
Percent Solids: 39.3

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-50	0.0058	J q C	0.025	0.0012	ng/g	☼	05/03/18 12:25	05/13/18 20:44	1
PCB-51	0.0051	J q C45	0.025	0.0013	ng/g	☼	05/03/18 12:25	05/13/18 20:44	1
PCB-52	0.063		0.012	0.0012	ng/g	☼	05/03/18 12:25	05/13/18 20:44	1
PCB-53	0.0058	J q C50	0.025	0.0012	ng/g	☼	05/03/18 12:25	05/13/18 20:44	1
PCB-54	ND		0.012	0.000048	ng/g	☼	05/03/18 12:25	05/13/18 20:44	1
PCB-55	ND		0.012	0.00087	ng/g	☼	05/03/18 12:25	05/13/18 20:44	1
PCB-56	0.018		0.012	0.00087	ng/g	☼	05/03/18 12:25	05/13/18 20:44	1
PCB-57	ND		0.012	0.00089	ng/g	☼	05/03/18 12:25	05/13/18 20:44	1
PCB-58	ND		0.012	0.00090	ng/g	☼	05/03/18 12:25	05/13/18 20:44	1
PCB-59	0.0025	J q C	0.037	0.00085	ng/g	☼	05/03/18 12:25	05/13/18 20:44	1
PCB-60	0.0071	J q	0.012	0.00089	ng/g	☼	05/03/18 12:25	05/13/18 20:44	1
PCB-61	0.085	C B	0.049	0.00083	ng/g	☼	05/03/18 12:25	05/13/18 20:44	1
PCB-62	0.0025	J q C59	0.037	0.00085	ng/g	☼	05/03/18 12:25	05/13/18 20:44	1
PCB-63	ND		0.012	0.00081	ng/g	☼	05/03/18 12:25	05/13/18 20:44	1
PCB-64	0.017		0.012	0.00080	ng/g	☼	05/03/18 12:25	05/13/18 20:44	1
PCB-65	0.044	C44 B	0.037	0.0011	ng/g	☼	05/03/18 12:25	05/13/18 20:44	1
PCB-66	0.049		0.012	0.00083	ng/g	☼	05/03/18 12:25	05/13/18 20:44	1
PCB-67	ND		0.012	0.00077	ng/g	☼	05/03/18 12:25	05/13/18 20:44	1
PCB-68	ND		0.012	0.00078	ng/g	☼	05/03/18 12:25	05/13/18 20:44	1
PCB-69	0.034	C49	0.025	0.00098	ng/g	☼	05/03/18 12:25	05/13/18 20:44	1
PCB-70	0.085	C61 B	0.049	0.00083	ng/g	☼	05/03/18 12:25	05/13/18 20:44	1
PCB-71	0.016	J C40	0.037	0.0012	ng/g	☼	05/03/18 12:25	05/13/18 20:44	1
PCB-72	ND		0.012	0.00087	ng/g	☼	05/03/18 12:25	05/13/18 20:44	1
PCB-73	ND	C43	0.025	0.0011	ng/g	☼	05/03/18 12:25	05/13/18 20:44	1
PCB-74	0.085	C61 B	0.049	0.00083	ng/g	☼	05/03/18 12:25	05/13/18 20:44	1
PCB-75	0.0025	J q C59	0.037	0.00085	ng/g	☼	05/03/18 12:25	05/13/18 20:44	1
PCB-76	0.085	C61 B	0.049	0.00083	ng/g	☼	05/03/18 12:25	05/13/18 20:44	1
PCB-77	0.0068	J B	0.012	0.00084	ng/g	☼	05/03/18 12:25	05/13/18 20:44	1
PCB-78	ND		0.012	0.00090	ng/g	☼	05/03/18 12:25	05/13/18 20:44	1
PCB-79	ND		0.012	0.00078	ng/g	☼	05/03/18 12:25	05/13/18 20:44	1
PCB-80	ND		0.012	0.00076	ng/g	☼	05/03/18 12:25	05/13/18 20:44	1
PCB-81	ND		0.012	0.00083	ng/g	☼	05/03/18 12:25	05/13/18 20:44	1
PCB-82	0.012	q	0.012	0.00029	ng/g	☼	05/03/18 12:25	05/13/18 20:44	1
PCB-83	0.080	C	0.025	0.00027	ng/g	☼	05/03/18 12:25	05/13/18 20:44	1
PCB-84	0.027	B	0.012	0.00030	ng/g	☼	05/03/18 12:25	05/13/18 20:44	1
PCB-85	0.026	J C	0.037	0.00022	ng/g	☼	05/03/18 12:25	05/13/18 20:44	1
PCB-86	0.081	C B	0.074	0.00022	ng/g	☼	05/03/18 12:25	05/13/18 20:44	1
PCB-87	0.081	C86 B	0.074	0.00022	ng/g	☼	05/03/18 12:25	05/13/18 20:44	1
PCB-88	0.015	J C	0.025	0.00027	ng/g	☼	05/03/18 12:25	05/13/18 20:44	1
PCB-89	0.0018	J	0.012	0.00029	ng/g	☼	05/03/18 12:25	05/13/18 20:44	1
PCB-90	0.13	C B	0.037	0.00022	ng/g	☼	05/03/18 12:25	05/13/18 20:44	1
PCB-91	0.015	J C88	0.025	0.00027	ng/g	☼	05/03/18 12:25	05/13/18 20:44	1
PCB-92	0.024		0.012	0.00025	ng/g	☼	05/03/18 12:25	05/13/18 20:44	1
PCB-93	0.0018	J q C	0.025	0.00026	ng/g	☼	05/03/18 12:25	05/13/18 20:44	1
PCB-94	ND		0.012	0.00029	ng/g	☼	05/03/18 12:25	05/13/18 20:44	1
PCB-95	0.092	B	0.012	0.00028	ng/g	☼	05/03/18 12:25	05/13/18 20:44	1
PCB-96	ND		0.012	0.00022	ng/g	☼	05/03/18 12:25	05/13/18 20:44	1
PCB-97	0.081	C86 B	0.074	0.00022	ng/g	☼	05/03/18 12:25	05/13/18 20:44	1
PCB-98	0.0027	J q C	0.025	0.00025	ng/g	☼	05/03/18 12:25	05/13/18 20:44	1

Client Sample ID: PDI-SG-B329-BL1
Date Collected: 04/23/18 14:06
Date Received: 04/25/18 13:55

Lab Sample ID: 580-76830-5
Matrix: Solid
Percent Solids: 39.3

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-99	0.080	C83	0.025	0.00027	ng/g	☼	05/03/18 12:25	05/13/18 20:44	1
PCB-100	0.0018	J q C93	0.025	0.00026	ng/g	☼	05/03/18 12:25	05/13/18 20:44	1
PCB-101	0.13	C90 B	0.037	0.00022	ng/g	☼	05/03/18 12:25	05/13/18 20:44	1
PCB-102	0.0027	J q C98	0.025	0.00025	ng/g	☼	05/03/18 12:25	05/13/18 20:44	1
PCB-103	0.0022	J	0.012	0.00026	ng/g	☼	05/03/18 12:25	05/13/18 20:44	1
PCB-104	ND		0.012	0.00019	ng/g	☼	05/03/18 12:25	05/13/18 20:44	1
PCB-105	0.059	B	0.012	0.0012	ng/g	☼	05/03/18 12:25	05/13/18 20:44	1
PCB-106	ND		0.012	0.0011	ng/g	☼	05/03/18 12:25	05/13/18 20:44	1
PCB-107	0.011	J	0.012	0.0011	ng/g	☼	05/03/18 12:25	05/13/18 20:44	1
PCB-108	0.0057	J C	0.025	0.0011	ng/g	☼	05/03/18 12:25	05/13/18 20:44	1
PCB-109	0.081	C86 B	0.074	0.00022	ng/g	☼	05/03/18 12:25	05/13/18 20:44	1
PCB-110	0.16	C B	0.025	0.00019	ng/g	☼	05/03/18 12:25	05/13/18 20:44	1
PCB-111	ND		0.012	0.00018	ng/g	☼	05/03/18 12:25	05/13/18 20:44	1
PCB-112	ND		0.012	0.00019	ng/g	☼	05/03/18 12:25	05/13/18 20:44	1
PCB-113	0.13	C90 B	0.037	0.00022	ng/g	☼	05/03/18 12:25	05/13/18 20:44	1
PCB-114	0.0017	J q	0.012	0.00099	ng/g	☼	05/03/18 12:25	05/13/18 20:44	1
PCB-115	0.16	C110 B	0.025	0.00019	ng/g	☼	05/03/18 12:25	05/13/18 20:44	1
PCB-116	0.026	J C85	0.037	0.00022	ng/g	☼	05/03/18 12:25	05/13/18 20:44	1
PCB-117	0.026	J C85	0.037	0.00022	ng/g	☼	05/03/18 12:25	05/13/18 20:44	1
PCB-118	0.13	B	0.012	0.00094	ng/g	☼	05/03/18 12:25	05/13/18 20:44	1
PCB-119	0.081	C86 B	0.074	0.00022	ng/g	☼	05/03/18 12:25	05/13/18 20:44	1
PCB-120	ND		0.012	0.00018	ng/g	☼	05/03/18 12:25	05/13/18 20:44	1
PCB-121	ND		0.012	0.00019	ng/g	☼	05/03/18 12:25	05/13/18 20:44	1
PCB-122	ND		0.012	0.0012	ng/g	☼	05/03/18 12:25	05/13/18 20:44	1
PCB-123	0.0029	J B	0.012	0.0011	ng/g	☼	05/03/18 12:25	05/13/18 20:44	1
PCB-124	0.0057	J C108	0.025	0.0011	ng/g	☼	05/03/18 12:25	05/13/18 20:44	1
PCB-125	0.081	C86 B	0.074	0.00022	ng/g	☼	05/03/18 12:25	05/13/18 20:44	1
PCB-126	ND		0.012	0.0010	ng/g	☼	05/03/18 12:25	05/13/18 20:44	1
PCB-127	ND		0.012	0.0011	ng/g	☼	05/03/18 12:25	05/13/18 20:44	1
PCB-128	0.031	C B	0.025	0.0016	ng/g	☼	05/03/18 12:25	05/13/18 20:44	1
PCB-129	0.24	C B	0.049	0.0016	ng/g	☼	05/03/18 12:25	05/13/18 20:44	1
PCB-130	0.013		0.012	0.0022	ng/g	☼	05/03/18 12:25	05/13/18 20:44	1
PCB-131	ND		0.012	0.0023	ng/g	☼	05/03/18 12:25	05/13/18 20:44	1
PCB-132	0.055		0.012	0.0021	ng/g	☼	05/03/18 12:25	05/13/18 20:44	1
PCB-133	ND		0.012	0.0020	ng/g	☼	05/03/18 12:25	05/13/18 20:44	1
PCB-134	0.0067	J C	0.025	0.0021	ng/g	☼	05/03/18 12:25	05/13/18 20:44	1
PCB-135	0.056	C	0.025	0.00013	ng/g	☼	05/03/18 12:25	05/13/18 20:44	1
PCB-136	0.017		0.012	0.000093	ng/g	☼	05/03/18 12:25	05/13/18 20:44	1
PCB-137	0.011	J	0.012	0.0018	ng/g	☼	05/03/18 12:25	05/13/18 20:44	1
PCB-138	0.24	C129 B	0.049	0.0016	ng/g	☼	05/03/18 12:25	05/13/18 20:44	1
PCB-139	ND	C	0.025	0.0018	ng/g	☼	05/03/18 12:25	05/13/18 20:44	1
PCB-140	ND	C139	0.025	0.0018	ng/g	☼	05/03/18 12:25	05/13/18 20:44	1
PCB-141	0.037		0.012	0.0019	ng/g	☼	05/03/18 12:25	05/13/18 20:44	1
PCB-142	ND		0.012	0.0020	ng/g	☼	05/03/18 12:25	05/13/18 20:44	1
PCB-143	0.0067	J C134	0.025	0.0021	ng/g	☼	05/03/18 12:25	05/13/18 20:44	1
PCB-144	0.0061	J	0.012	0.00012	ng/g	☼	05/03/18 12:25	05/13/18 20:44	1
PCB-145	ND		0.012	0.000089	ng/g	☼	05/03/18 12:25	05/13/18 20:44	1
PCB-146	0.033		0.012	0.0018	ng/g	☼	05/03/18 12:25	05/13/18 20:44	1
PCB-147	0.16	C	0.025	0.0021	ng/g	☼	05/03/18 12:25	05/13/18 20:44	1

Client Sample ID: PDI-SG-B329-BL1
Date Collected: 04/23/18 14:06
Date Received: 04/25/18 13:55

Lab Sample ID: 580-76830-5
Matrix: Solid
Percent Solids: 39.3

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-148	ND		0.012	0.00013	ng/g	☼	05/03/18 12:25	05/13/18 20:44	1
PCB-149	**0.16**	**C147**	0.025	0.0021	ng/g	☼	05/03/18 12:25	05/13/18 20:44	1
PCB-150	ND		0.012	0.000085	ng/g	☼	05/03/18 12:25	05/13/18 20:44	1
PCB-151	**0.056**	**C135**	0.025	0.00013	ng/g	☼	05/03/18 12:25	05/13/18 20:44	1
PCB-152	ND		0.012	0.000092	ng/g	☼	05/03/18 12:25	05/13/18 20:44	1
PCB-153	**0.19**	**C**	0.025	0.0014	ng/g	☼	05/03/18 12:25	05/13/18 20:44	1
PCB-154	**0.0018**	**J q**	0.012	0.00010	ng/g	☼	05/03/18 12:25	05/13/18 20:44	1
PCB-155	ND		0.012	0.000085	ng/g	☼	05/03/18 12:25	05/13/18 20:44	1
PCB-156	**0.026**	**C B**	0.025	0.0017	ng/g	☼	05/03/18 12:25	05/13/18 20:44	1
PCB-157	**0.026**	**C156 B**	0.025	0.0017	ng/g	☼	05/03/18 12:25	05/13/18 20:44	1
PCB-158	**0.021**		0.012	0.0013	ng/g	☼	05/03/18 12:25	05/13/18 20:44	1
PCB-159	ND		0.012	0.0014	ng/g	☼	05/03/18 12:25	05/13/18 20:44	1
PCB-160	**0.24**	**C129 B**	0.049	0.0016	ng/g	☼	05/03/18 12:25	05/13/18 20:44	1
PCB-161	ND		0.012	0.0014	ng/g	☼	05/03/18 12:25	05/13/18 20:44	1
PCB-162	ND		0.012	0.0013	ng/g	☼	05/03/18 12:25	05/13/18 20:44	1
PCB-163	**0.24**	**C129 B**	0.049	0.0016	ng/g	☼	05/03/18 12:25	05/13/18 20:44	1
PCB-164	**0.013**	**q**	0.012	0.0014	ng/g	☼	05/03/18 12:25	05/13/18 20:44	1
PCB-165	ND		0.012	0.0015	ng/g	☼	05/03/18 12:25	05/13/18 20:44	1
PCB-166	**0.031**	**C128 B**	0.025	0.0016	ng/g	☼	05/03/18 12:25	05/13/18 20:44	1
PCB-167	**0.0097**	**J**	0.012	0.0011	ng/g	☼	05/03/18 12:25	05/13/18 20:44	1
PCB-168	**0.19**	**C153**	0.025	0.0014	ng/g	☼	05/03/18 12:25	05/13/18 20:44	1
PCB-169	ND		0.012	0.0010	ng/g	☼	05/03/18 12:25	05/13/18 20:44	1
PCB-170	**0.063**		0.012	0.00065	ng/g	☼	05/03/18 12:25	05/13/18 20:44	1
PCB-171	**0.018**	**J C**	0.025	0.00064	ng/g	☼	05/03/18 12:25	05/13/18 20:44	1
PCB-172	**0.011**	**J**	0.012	0.00063	ng/g	☼	05/03/18 12:25	05/13/18 20:44	1
PCB-173	**0.018**	**J C171**	0.025	0.00064	ng/g	☼	05/03/18 12:25	05/13/18 20:44	1
PCB-174	**0.060**		0.012	0.00060	ng/g	☼	05/03/18 12:25	05/13/18 20:44	1
PCB-175	ND		0.012	0.00058	ng/g	☼	05/03/18 12:25	05/13/18 20:44	1
PCB-176	**0.0061**	**J**	0.012	0.00044	ng/g	☼	05/03/18 12:25	05/13/18 20:44	1
PCB-177	**0.038**		0.012	0.00061	ng/g	☼	05/03/18 12:25	05/13/18 20:44	1
PCB-178	**0.014**		0.012	0.00062	ng/g	☼	05/03/18 12:25	05/13/18 20:44	1
PCB-179	**0.025**		0.012	0.00046	ng/g	☼	05/03/18 12:25	05/13/18 20:44	1
PCB-180	**0.14**	**C**	0.025	0.00048	ng/g	☼	05/03/18 12:25	05/13/18 20:44	1
PCB-181	ND		0.012	0.00057	ng/g	☼	05/03/18 12:25	05/13/18 20:44	1
PCB-182	ND		0.012	0.00055	ng/g	☼	05/03/18 12:25	05/13/18 20:44	1
PCB-183	**0.038**	**C**	0.025	0.00056	ng/g	☼	05/03/18 12:25	05/13/18 20:44	1
PCB-184	**0.00098**	**J q**	0.012	0.00047	ng/g	☼	05/03/18 12:25	05/13/18 20:44	1
PCB-185	**0.038**	**C183**	0.025	0.00056	ng/g	☼	05/03/18 12:25	05/13/18 20:44	1
PCB-186	ND		0.012	0.00046	ng/g	☼	05/03/18 12:25	05/13/18 20:44	1
PCB-187	**0.081**		0.012	0.00053	ng/g	☼	05/03/18 12:25	05/13/18 20:44	1
PCB-188	ND		0.012	0.00041	ng/g	☼	05/03/18 12:25	05/13/18 20:44	1
PCB-189	ND		0.012	0.0017	ng/g	☼	05/03/18 12:25	05/13/18 20:44	1
PCB-190	**0.014**		0.012	0.00042	ng/g	☼	05/03/18 12:25	05/13/18 20:44	1
PCB-191	**0.0033**	**J**	0.012	0.00043	ng/g	☼	05/03/18 12:25	05/13/18 20:44	1
PCB-192	ND		0.012	0.00048	ng/g	☼	05/03/18 12:25	05/13/18 20:44	1
PCB-193	**0.14**	**C180**	0.025	0.00048	ng/g	☼	05/03/18 12:25	05/13/18 20:44	1
PCB-194	**0.030**		0.012	0.0013	ng/g	☼	05/03/18 12:25	05/13/18 20:44	1
PCB-195	**0.012**		0.012	0.0014	ng/g	☼	05/03/18 12:25	05/13/18 20:44	1
PCB-196	**0.012**		0.012	0.00038	ng/g	☼	05/03/18 12:25	05/13/18 20:44	1

Client Sample ID: PDI-SG-B329-BL1
Date Collected: 04/23/18 14:06
Date Received: 04/25/18 13:55

Lab Sample ID: 580-76830-5
Matrix: Solid
Percent Solids: 39.3

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-197	ND		0.012	0.00029	ng/g	☼	05/03/18 12:25	05/13/18 20:44	1
PCB-198	**0.040**	**C B**	0.025	0.00039	ng/g	☼	05/03/18 12:25	05/13/18 20:44	1
PCB-199	**0.040**	**C198 B**	0.025	0.00039	ng/g	☼	05/03/18 12:25	05/13/18 20:44	1
PCB-200	**0.0025**	**J q S**	0.012	0.00026	ng/g	☼	05/03/18 12:25	05/13/18 20:44	1
PCB-201	**0.0024**	**J q**	0.012	0.00027	ng/g	☼	05/03/18 12:25	05/13/18 20:44	1
PCB-202	**0.0082**	**J**	0.012	0.00030	ng/g	☼	05/03/18 12:25	05/13/18 20:44	1
PCB-203	**0.019**	**q**	0.012	0.00035	ng/g	☼	05/03/18 12:25	05/13/18 20:44	1
PCB-204	ND		0.012	0.00029	ng/g	☼	05/03/18 12:25	05/13/18 20:44	1
PCB-205	ND		0.012	0.0011	ng/g	☼	05/03/18 12:25	05/13/18 20:44	1
PCB-206	**0.023**		0.012	0.0018	ng/g	☼	05/03/18 12:25	05/13/18 20:44	1
PCB-207	ND		0.012	0.0012	ng/g	☼	05/03/18 12:25	05/13/18 20:44	1
PCB-208	**0.0074**	**J**	0.012	0.0012	ng/g	☼	05/03/18 12:25	05/13/18 20:44	1
PCB-209	**0.042**		0.012	0.00056	ng/g	☼	05/03/18 12:25	05/13/18 20:44	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
PCB-1L	*69*		*30 - 140*	*05/03/18 12:25*	*05/13/18 20:44*	*1*
PCB-3L	*72*		*30 - 140*	*05/03/18 12:25*	*05/13/18 20:44*	*1*
PCB-4L	*66*		*30 - 140*	*05/03/18 12:25*	*05/13/18 20:44*	*1*
PCB-15L	*75*		*30 - 140*	*05/03/18 12:25*	*05/13/18 20:44*	*1*
PCB-19L	*80*		*30 - 140*	*05/03/18 12:25*	*05/13/18 20:44*	*1*
PCB-37L	*84*		*30 - 140*	*05/03/18 12:25*	*05/13/18 20:44*	*1*
PCB-54L	*81*		*30 - 140*	*05/03/18 12:25*	*05/13/18 20:44*	*1*
PCB-77L	*88*		*30 - 140*	*05/03/18 12:25*	*05/13/18 20:44*	*1*
PCB-81L	*84*		*30 - 140*	*05/03/18 12:25*	*05/13/18 20:44*	*1*
PCB-104L	*76*		*30 - 140*	*05/03/18 12:25*	*05/13/18 20:44*	*1*
PCB-105L	*69*		*30 - 140*	*05/03/18 12:25*	*05/13/18 20:44*	*1*
PCB-114L	*85*		*30 - 140*	*05/03/18 12:25*	*05/13/18 20:44*	*1*
PCB-118L	*84*		*30 - 140*	*05/03/18 12:25*	*05/13/18 20:44*	*1*
PCB-123L	*80*		*30 - 140*	*05/03/18 12:25*	*05/13/18 20:44*	*1*
PCB-126L	*83*		*30 - 140*	*05/03/18 12:25*	*05/13/18 20:44*	*1*
PCB-155L	*82*		*30 - 140*	*05/03/18 12:25*	*05/13/18 20:44*	*1*
PCB-156L	*85*	*C*	*30 - 140*	*05/03/18 12:25*	*05/13/18 20:44*	*1*
PCB-157L	*85*	*C156*	*30 - 140*	*05/03/18 12:25*	*05/13/18 20:44*	*1*
PCB-167L	*84*		*30 - 140*	*05/03/18 12:25*	*05/13/18 20:44*	*1*
PCB-169L	*93*		*30 - 140*	*05/03/18 12:25*	*05/13/18 20:44*	*1*
PCB-170L	*82*		*30 - 140*	*05/03/18 12:25*	*05/13/18 20:44*	*1*
PCB-188L	*81*		*30 - 140*	*05/03/18 12:25*	*05/13/18 20:44*	*1*
PCB-189L	*88*		*30 - 140*	*05/03/18 12:25*	*05/13/18 20:44*	*1*
PCB-202L	*88*		*30 - 140*	*05/03/18 12:25*	*05/13/18 20:44*	*1*
PCB-205L	*69*		*30 - 140*	*05/03/18 12:25*	*05/13/18 20:44*	*1*
PCB-206L	*70*		*30 - 140*	*05/03/18 12:25*	*05/13/18 20:44*	*1*
PCB-208L	*68*		*30 - 140*	*05/03/18 12:25*	*05/13/18 20:44*	*1*
PCB-209L	*63*		*30 - 140*	*05/03/18 12:25*	*05/13/18 20:44*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
PCB-28L	*89*		*40 - 125*	*05/03/18 12:25*	*05/13/18 20:44*	*1*
PCB-111L	*95*		*40 - 125*	*05/03/18 12:25*	*05/13/18 20:44*	*1*
PCB-178L	*88*		*40 - 125*	*05/03/18 12:25*	*05/13/18 20:44*	*1*

Client Sample ID: PDI-SG-B334-BL1
Date Collected: 04/23/18 14:56
Date Received: 04/25/18 13:55

Lab Sample ID: 580-76830-6
Matrix: Solid
Percent Solids: 46.0

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1	0.00099	J q	0.011	0.00023	ng/g	☼	05/03/18 12:25	05/14/18 13:19	1
PCB-2	0.0013	J q B	0.011	0.00025	ng/g	☼	05/03/18 12:25	05/14/18 13:19	1
PCB-3	0.0013	J	0.011	0.00027	ng/g	☼	05/03/18 12:25	05/14/18 13:19	1
PCB-4	0.0061	J q	0.021	0.0033	ng/g	☼	05/03/18 12:25	05/14/18 13:19	1
PCB-5	ND		0.011	0.0029	ng/g	☼	05/03/18 12:25	05/14/18 13:19	1
PCB-6	0.0027	J q	0.011	0.0025	ng/g	☼	05/03/18 12:25	05/14/18 13:19	1
PCB-7	ND		0.011	0.0026	ng/g	☼	05/03/18 12:25	05/14/18 13:19	1
PCB-8	0.0064	J q	0.021	0.0023	ng/g	☼	05/03/18 12:25	05/14/18 13:19	1
PCB-9	ND		0.011	0.0026	ng/g	☼	05/03/18 12:25	05/14/18 13:19	1
PCB-10	ND		0.011	0.0028	ng/g	☼	05/03/18 12:25	05/14/18 13:19	1
PCB-11	0.036	B	0.021	0.0025	ng/g	☼	05/03/18 12:25	05/14/18 13:19	1
PCB-12	ND	C	0.021	0.0026	ng/g	☼	05/03/18 12:25	05/14/18 13:19	1
PCB-13	ND	C12	0.021	0.0026	ng/g	☼	05/03/18 12:25	05/14/18 13:19	1
PCB-14	ND		0.011	0.0022	ng/g	☼	05/03/18 12:25	05/14/18 13:19	1
PCB-15	0.0065	J q	0.011	0.0028	ng/g	☼	05/03/18 12:25	05/14/18 13:19	1
PCB-16	0.0038	J q	0.011	0.00030	ng/g	☼	05/03/18 12:25	05/14/18 13:19	1
PCB-17	0.0081	J	0.011	0.00027	ng/g	☼	05/03/18 12:25	05/14/18 13:19	1
PCB-18	0.0095	J q C	0.021	0.00024	ng/g	☼	05/03/18 12:25	05/14/18 13:19	1
PCB-19	0.0052	J q	0.011	0.00033	ng/g	☼	05/03/18 12:25	05/14/18 13:19	1
PCB-20	0.027	C	0.021	0.00038	ng/g	☼	05/03/18 12:25	05/14/18 13:19	1
PCB-21	0.0076	J C	0.021	0.00037	ng/g	☼	05/03/18 12:25	05/14/18 13:19	1
PCB-22	0.0074	J	0.011	0.00038	ng/g	☼	05/03/18 12:25	05/14/18 13:19	1
PCB-23	ND		0.011	0.00038	ng/g	☼	05/03/18 12:25	05/14/18 13:19	1
PCB-24	ND		0.011	0.00023	ng/g	☼	05/03/18 12:25	05/14/18 13:19	1
PCB-25	0.0025	J q	0.011	0.00035	ng/g	☼	05/03/18 12:25	05/14/18 13:19	1
PCB-26	0.0045	J C	0.021	0.00037	ng/g	☼	05/03/18 12:25	05/14/18 13:19	1
PCB-27	0.0018	J q	0.011	0.00020	ng/g	☼	05/03/18 12:25	05/14/18 13:19	1
PCB-28	0.027	C20	0.021	0.00038	ng/g	☼	05/03/18 12:25	05/14/18 13:19	1
PCB-29	0.0045	J C26	0.021	0.00037	ng/g	☼	05/03/18 12:25	05/14/18 13:19	1
PCB-30	0.0095	J q C18	0.021	0.00024	ng/g	☼	05/03/18 12:25	05/14/18 13:19	1
PCB-31	0.019	J	0.021	0.00037	ng/g	☼	05/03/18 12:25	05/14/18 13:19	1
PCB-32	0.0054	J q	0.011	0.00019	ng/g	☼	05/03/18 12:25	05/14/18 13:19	1
PCB-33	0.0076	J C21	0.021	0.00037	ng/g	☼	05/03/18 12:25	05/14/18 13:19	1
PCB-34	ND		0.011	0.00040	ng/g	☼	05/03/18 12:25	05/14/18 13:19	1
PCB-35	0.0010	J	0.011	0.00039	ng/g	☼	05/03/18 12:25	05/14/18 13:19	1
PCB-36	ND		0.011	0.00037	ng/g	☼	05/03/18 12:25	05/14/18 13:19	1
PCB-37	0.0091	J	0.011	0.00038	ng/g	☼	05/03/18 12:25	05/14/18 13:19	1
PCB-38	ND		0.011	0.00040	ng/g	☼	05/03/18 12:25	05/14/18 13:19	1
PCB-39	ND		0.011	0.00036	ng/g	☼	05/03/18 12:25	05/14/18 13:19	1
PCB-40	0.018	J C	0.032	0.00057	ng/g	☼	05/03/18 12:25	05/14/18 13:19	1
PCB-41	0.018	J C40	0.032	0.00057	ng/g	☼	05/03/18 12:25	05/14/18 13:19	1
PCB-42	0.0091	J	0.011	0.00058	ng/g	☼	05/03/18 12:25	05/14/18 13:19	1
PCB-43	0.0011	J q C	0.021	0.00054	ng/g	☼	05/03/18 12:25	05/14/18 13:19	1
PCB-44	0.049	C B	0.032	0.00051	ng/g	☼	05/03/18 12:25	05/14/18 13:19	1
PCB-45	0.0082	J C	0.021	0.00060	ng/g	☼	05/03/18 12:25	05/14/18 13:19	1
PCB-46	0.0020	J	0.011	0.00073	ng/g	☼	05/03/18 12:25	05/14/18 13:19	1
PCB-47	0.049	C44 B	0.032	0.00051	ng/g	☼	05/03/18 12:25	05/14/18 13:19	1
PCB-48	0.0047	J	0.011	0.00057	ng/g	☼	05/03/18 12:25	05/14/18 13:19	1
PCB-49	0.035	C	0.021	0.00047	ng/g	☼	05/03/18 12:25	05/14/18 13:19	1

Client Sample ID: PDI-SG-B334-BL1
Date Collected: 04/23/18 14:56
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Lab Sample ID: 580-76830-6
Matrix: Solid
Percent Solids: 46.0

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-50	0.0071	J C	0.021	0.00056	ng/g	☼	05/03/18 12:25	05/14/18 13:19	1
PCB-51	0.0082	J C45	0.021	0.00060	ng/g	☼	05/03/18 12:25	05/14/18 13:19	1
PCB-52	0.069		0.011	0.00057	ng/g	☼	05/03/18 12:25	05/14/18 13:19	1
PCB-53	0.0071	J C50	0.021	0.00056	ng/g	☼	05/03/18 12:25	05/14/18 13:19	1
PCB-54	0.0011	J	0.011	0.000037	ng/g	☼	05/03/18 12:25	05/14/18 13:19	1
PCB-55	0.00079	J	0.011	0.00042	ng/g	☼	05/03/18 12:25	05/14/18 13:19	1
PCB-56	0.016		0.011	0.00042	ng/g	☼	05/03/18 12:25	05/14/18 13:19	1
PCB-57	ND		0.011	0.00042	ng/g	☼	05/03/18 12:25	05/14/18 13:19	1
PCB-58	0.00053	J q	0.011	0.00043	ng/g	☼	05/03/18 12:25	05/14/18 13:19	1
PCB-59	0.0027	J q C	0.032	0.00041	ng/g	☼	05/03/18 12:25	05/14/18 13:19	1
PCB-60	0.0075	J	0.011	0.00043	ng/g	☼	05/03/18 12:25	05/14/18 13:19	1
PCB-61	0.080	C B	0.042	0.00040	ng/g	☼	05/03/18 12:25	05/14/18 13:19	1
PCB-62	0.0027	J q C59	0.032	0.00041	ng/g	☼	05/03/18 12:25	05/14/18 13:19	1
PCB-63	0.0013	J q	0.011	0.00039	ng/g	☼	05/03/18 12:25	05/14/18 13:19	1
PCB-64	0.017		0.011	0.00038	ng/g	☼	05/03/18 12:25	05/14/18 13:19	1
PCB-65	0.049	C44 B	0.032	0.00051	ng/g	☼	05/03/18 12:25	05/14/18 13:19	1
PCB-66	0.044		0.011	0.00040	ng/g	☼	05/03/18 12:25	05/14/18 13:19	1
PCB-67	0.00098	J	0.011	0.00037	ng/g	☼	05/03/18 12:25	05/14/18 13:19	1
PCB-68	ND		0.011	0.00038	ng/g	☼	05/03/18 12:25	05/14/18 13:19	1
PCB-69	0.035	C49	0.021	0.00047	ng/g	☼	05/03/18 12:25	05/14/18 13:19	1
PCB-70	0.080	C61 B	0.042	0.00040	ng/g	☼	05/03/18 12:25	05/14/18 13:19	1
PCB-71	0.018	J C40	0.032	0.00057	ng/g	☼	05/03/18 12:25	05/14/18 13:19	1
PCB-72	0.0011	J	0.011	0.00042	ng/g	☼	05/03/18 12:25	05/14/18 13:19	1
PCB-73	0.0011	J q C43	0.021	0.00054	ng/g	☼	05/03/18 12:25	05/14/18 13:19	1
PCB-74	0.080	C61 B	0.042	0.00040	ng/g	☼	05/03/18 12:25	05/14/18 13:19	1
PCB-75	0.0027	J q C59	0.032	0.00041	ng/g	☼	05/03/18 12:25	05/14/18 13:19	1
PCB-76	0.080	C61 B	0.042	0.00040	ng/g	☼	05/03/18 12:25	05/14/18 13:19	1
PCB-77	0.0073	J B	0.011	0.00039	ng/g	☼	05/03/18 12:25	05/14/18 13:19	1
PCB-78	ND		0.011	0.00043	ng/g	☼	05/03/18 12:25	05/14/18 13:19	1
PCB-79	0.00070	J q	0.011	0.00037	ng/g	☼	05/03/18 12:25	05/14/18 13:19	1
PCB-80	ND		0.011	0.00037	ng/g	☼	05/03/18 12:25	05/14/18 13:19	1
PCB-81	ND		0.011	0.00041	ng/g	☼	05/03/18 12:25	05/14/18 13:19	1
PCB-82	0.013	q	0.011	0.00022	ng/g	☼	05/03/18 12:25	05/14/18 13:19	1
PCB-83	0.077	C	0.021	0.00020	ng/g	☼	05/03/18 12:25	05/14/18 13:19	1
PCB-84	0.023	B	0.011	0.00022	ng/g	☼	05/03/18 12:25	05/14/18 13:19	1
PCB-85	0.022	J q C	0.032	0.00016	ng/g	☼	05/03/18 12:25	05/14/18 13:19	1
PCB-86	0.073	C B	0.063	0.00017	ng/g	☼	05/03/18 12:25	05/14/18 13:19	1
PCB-87	0.073	C86 B	0.063	0.00017	ng/g	☼	05/03/18 12:25	05/14/18 13:19	1
PCB-88	0.017	J C	0.021	0.00020	ng/g	☼	05/03/18 12:25	05/14/18 13:19	1
PCB-89	ND		0.011	0.00022	ng/g	☼	05/03/18 12:25	05/14/18 13:19	1
PCB-90	0.12	C B	0.032	0.00017	ng/g	☼	05/03/18 12:25	05/14/18 13:19	1
PCB-91	0.017	J C88	0.021	0.00020	ng/g	☼	05/03/18 12:25	05/14/18 13:19	1
PCB-92	0.022		0.011	0.00019	ng/g	☼	05/03/18 12:25	05/14/18 13:19	1
PCB-93	0.0014	J q C	0.021	0.00019	ng/g	☼	05/03/18 12:25	05/14/18 13:19	1
PCB-94	ND		0.011	0.00022	ng/g	☼	05/03/18 12:25	05/14/18 13:19	1
PCB-95	0.093	B	0.011	0.00021	ng/g	☼	05/03/18 12:25	05/14/18 13:19	1
PCB-96	0.0013	J	0.011	0.00016	ng/g	☼	05/03/18 12:25	05/14/18 13:19	1
PCB-97	0.073	C86 B	0.063	0.00017	ng/g	☼	05/03/18 12:25	05/14/18 13:19	1
PCB-98	0.0032	J q C	0.021	0.00019	ng/g	☼	05/03/18 12:25	05/14/18 13:19	1

Client Sample ID: PDI-SG-B334-BL1
Date Collected: 04/23/18 14:56
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Lab Sample ID: 580-76830-6
Matrix: Solid
Percent Solids: 46.0

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-99	0.077	C83	0.021	0.00020	ng/g	☼	05/03/18 12:25	05/14/18 13:19	1
PCB-100	0.0014	J q C93	0.021	0.00019	ng/g	☼	05/03/18 12:25	05/14/18 13:19	1
PCB-101	0.12	C90 B	0.032	0.00017	ng/g	☼	05/03/18 12:25	05/14/18 13:19	1
PCB-102	0.0032	J q C98	0.021	0.00019	ng/g	☼	05/03/18 12:25	05/14/18 13:19	1
PCB-103	0.0013	J q	0.011	0.00019	ng/g	☼	05/03/18 12:25	05/14/18 13:19	1
PCB-104	ND		0.011	0.00015	ng/g	☼	05/03/18 12:25	05/14/18 13:19	1
PCB-105	0.044	B	0.011	0.00066	ng/g	☼	05/03/18 12:25	05/14/18 13:19	1
PCB-106	ND		0.011	0.00066	ng/g	☼	05/03/18 12:25	05/14/18 13:19	1
PCB-107	0.0073	J q	0.011	0.00071	ng/g	☼	05/03/18 12:25	05/14/18 13:19	1
PCB-108	0.0049	J C	0.021	0.00068	ng/g	☼	05/03/18 12:25	05/14/18 13:19	1
PCB-109	0.073	C86 B	0.063	0.00017	ng/g	☼	05/03/18 12:25	05/14/18 13:19	1
PCB-110	0.14	C B	0.021	0.00014	ng/g	☼	05/03/18 12:25	05/14/18 13:19	1
PCB-111	ND		0.011	0.00013	ng/g	☼	05/03/18 12:25	05/14/18 13:19	1
PCB-112	ND		0.011	0.00014	ng/g	☼	05/03/18 12:25	05/14/18 13:19	1
PCB-113	0.12	C90 B	0.032	0.00017	ng/g	☼	05/03/18 12:25	05/14/18 13:19	1
PCB-114	0.0016	J q	0.011	0.00061	ng/g	☼	05/03/18 12:25	05/14/18 13:19	1
PCB-115	0.14	C110 B	0.021	0.00014	ng/g	☼	05/03/18 12:25	05/14/18 13:19	1
PCB-116	0.022	J q C85	0.032	0.00016	ng/g	☼	05/03/18 12:25	05/14/18 13:19	1
PCB-117	0.022	J q C85	0.032	0.00016	ng/g	☼	05/03/18 12:25	05/14/18 13:19	1
PCB-118	0.097	B	0.011	0.00061	ng/g	☼	05/03/18 12:25	05/14/18 13:19	1
PCB-119	0.073	C86 B	0.063	0.00017	ng/g	☼	05/03/18 12:25	05/14/18 13:19	1
PCB-120	0.00096	J q	0.011	0.00014	ng/g	☼	05/03/18 12:25	05/14/18 13:19	1
PCB-121	ND		0.011	0.00014	ng/g	☼	05/03/18 12:25	05/14/18 13:19	1
PCB-122	0.0017	J	0.011	0.00076	ng/g	☼	05/03/18 12:25	05/14/18 13:19	1
PCB-123	0.0023	J B	0.011	0.00068	ng/g	☼	05/03/18 12:25	05/14/18 13:19	1
PCB-124	0.0049	J C108	0.021	0.00068	ng/g	☼	05/03/18 12:25	05/14/18 13:19	1
PCB-125	0.073	C86 B	0.063	0.00017	ng/g	☼	05/03/18 12:25	05/14/18 13:19	1
PCB-126	0.0012	J q B	0.011	0.00067	ng/g	☼	05/03/18 12:25	05/14/18 13:19	1
PCB-127	ND		0.011	0.00066	ng/g	☼	05/03/18 12:25	05/14/18 13:19	1
PCB-128	0.027	C B	0.021	0.00099	ng/g	☼	05/03/18 12:25	05/14/18 13:19	1
PCB-129	0.21	C B	0.042	0.0010	ng/g	☼	05/03/18 12:25	05/14/18 13:19	1
PCB-130	0.013		0.011	0.0013	ng/g	☼	05/03/18 12:25	05/14/18 13:19	1
PCB-131	0.0019	J	0.011	0.0014	ng/g	☼	05/03/18 12:25	05/14/18 13:19	1
PCB-132	0.050		0.011	0.0013	ng/g	☼	05/03/18 12:25	05/14/18 13:19	1
PCB-133	0.0028	J	0.011	0.0013	ng/g	☼	05/03/18 12:25	05/14/18 13:19	1
PCB-134	0.0069	J C	0.021	0.0013	ng/g	☼	05/03/18 12:25	05/14/18 13:19	1
PCB-135	0.051	q C	0.021	0.00013	ng/g	☼	05/03/18 12:25	05/14/18 13:19	1
PCB-136	0.017		0.011	0.000091	ng/g	☼	05/03/18 12:25	05/14/18 13:19	1
PCB-137	0.0054	J q	0.011	0.0011	ng/g	☼	05/03/18 12:25	05/14/18 13:19	1
PCB-138	0.21	C129 B	0.042	0.0010	ng/g	☼	05/03/18 12:25	05/14/18 13:19	1
PCB-139	0.0025	J q C	0.021	0.0011	ng/g	☼	05/03/18 12:25	05/14/18 13:19	1
PCB-140	0.0025	J q C139	0.021	0.0011	ng/g	☼	05/03/18 12:25	05/14/18 13:19	1
PCB-141	0.030		0.011	0.0012	ng/g	☼	05/03/18 12:25	05/14/18 13:19	1
PCB-142	ND		0.011	0.0013	ng/g	☼	05/03/18 12:25	05/14/18 13:19	1
PCB-143	0.0069	J C134	0.021	0.0013	ng/g	☼	05/03/18 12:25	05/14/18 13:19	1
PCB-144	0.0054	J	0.011	0.00011	ng/g	☼	05/03/18 12:25	05/14/18 13:19	1
PCB-145	ND		0.011	0.000086	ng/g	☼	05/03/18 12:25	05/14/18 13:19	1
PCB-146	0.030		0.011	0.0011	ng/g	☼	05/03/18 12:25	05/14/18 13:19	1
PCB-147	0.15	C	0.021	0.0013	ng/g	☼	05/03/18 12:25	05/14/18 13:19	1

Client Sample ID: PDI-SG-B334-BL1
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Lab Sample ID: 580-76830-6
Matrix: Solid
Percent Solids: 46.0

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-148	ND		0.011	0.00012	ng/g	☼	05/03/18 12:25	05/14/18 13:19	1
PCB-149	**0.15**	**C147**	0.021	0.0013	ng/g	☼	05/03/18 12:25	05/14/18 13:19	1
PCB-150	ND		0.011	0.000083	ng/g	☼	05/03/18 12:25	05/14/18 13:19	1
PCB-151	**0.051**	**q C135**	0.021	0.00013	ng/g	☼	05/03/18 12:25	05/14/18 13:19	1
PCB-152	ND		0.011	0.000089	ng/g	☼	05/03/18 12:25	05/14/18 13:19	1
PCB-153	**0.16**	**C**	0.021	0.00089	ng/g	☼	05/03/18 12:25	05/14/18 13:19	1
PCB-154	**0.0030**	**J**	0.011	0.000098	ng/g	☼	05/03/18 12:25	05/14/18 13:19	1
PCB-155	ND		0.011	0.000083	ng/g	☼	05/03/18 12:25	05/14/18 13:19	1
PCB-156	**0.021**	**C B**	0.021	0.0010	ng/g	☼	05/03/18 12:25	05/14/18 13:19	1
PCB-157	**0.021**	**C156 B**	0.021	0.0010	ng/g	☼	05/03/18 12:25	05/14/18 13:19	1
PCB-158	**0.017**		0.011	0.00080	ng/g	☼	05/03/18 12:25	05/14/18 13:19	1
PCB-159	**0.0018**	**J**	0.011	0.00085	ng/g	☼	05/03/18 12:25	05/14/18 13:19	1
PCB-160	**0.21**	**C129 B**	0.042	0.0010	ng/g	☼	05/03/18 12:25	05/14/18 13:19	1
PCB-161	ND		0.011	0.00084	ng/g	☼	05/03/18 12:25	05/14/18 13:19	1
PCB-162	ND		0.011	0.00083	ng/g	☼	05/03/18 12:25	05/14/18 13:19	1
PCB-163	**0.21**	**C129 B**	0.042	0.0010	ng/g	☼	05/03/18 12:25	05/14/18 13:19	1
PCB-164	**0.012**	**q**	0.011	0.00089	ng/g	☼	05/03/18 12:25	05/14/18 13:19	1
PCB-165	ND		0.011	0.00096	ng/g	☼	05/03/18 12:25	05/14/18 13:19	1
PCB-166	**0.027**	**C128 B**	0.021	0.00099	ng/g	☼	05/03/18 12:25	05/14/18 13:19	1
PCB-167	**0.0070**	**J**	0.011	0.00070	ng/g	☼	05/03/18 12:25	05/14/18 13:19	1
PCB-168	**0.16**	**C153**	0.021	0.00089	ng/g	☼	05/03/18 12:25	05/14/18 13:19	1
PCB-169	ND		0.011	0.00062	ng/g	☼	05/03/18 12:25	05/14/18 13:19	1
PCB-170	**0.048**		0.011	0.00034	ng/g	☼	05/03/18 12:25	05/14/18 13:19	1
PCB-171	**0.014**	**J q C**	0.021	0.00031	ng/g	☼	05/03/18 12:25	05/14/18 13:19	1
PCB-172	**0.0081**	**J**	0.011	0.00031	ng/g	☼	05/03/18 12:25	05/14/18 13:19	1
PCB-173	**0.014**	**J q C171**	0.021	0.00031	ng/g	☼	05/03/18 12:25	05/14/18 13:19	1
PCB-174	**0.048**		0.011	0.00029	ng/g	☼	05/03/18 12:25	05/14/18 13:19	1
PCB-175	**0.0014**	**J**	0.011	0.00028	ng/g	☼	05/03/18 12:25	05/14/18 13:19	1
PCB-176	**0.0044**	**J q**	0.011	0.00021	ng/g	☼	05/03/18 12:25	05/14/18 13:19	1
PCB-177	**0.025**	**q**	0.011	0.00030	ng/g	☼	05/03/18 12:25	05/14/18 13:19	1
PCB-178	**0.012**		0.011	0.00031	ng/g	☼	05/03/18 12:25	05/14/18 13:19	1
PCB-179	**0.021**		0.011	0.00023	ng/g	☼	05/03/18 12:25	05/14/18 13:19	1
PCB-180	**0.11**	**C**	0.021	0.00024	ng/g	☼	05/03/18 12:25	05/14/18 13:19	1
PCB-181	ND		0.011	0.00028	ng/g	☼	05/03/18 12:25	05/14/18 13:19	1
PCB-182	ND		0.011	0.00027	ng/g	☼	05/03/18 12:25	05/14/18 13:19	1
PCB-183	**0.032**	**C**	0.021	0.00028	ng/g	☼	05/03/18 12:25	05/14/18 13:19	1
PCB-184	ND		0.011	0.00023	ng/g	☼	05/03/18 12:25	05/14/18 13:19	1
PCB-185	**0.032**	**C183**	0.021	0.00028	ng/g	☼	05/03/18 12:25	05/14/18 13:19	1
PCB-186	ND		0.011	0.00022	ng/g	☼	05/03/18 12:25	05/14/18 13:19	1
PCB-187	**0.070**		0.011	0.00026	ng/g	☼	05/03/18 12:25	05/14/18 13:19	1
PCB-188	ND		0.011	0.00020	ng/g	☼	05/03/18 12:25	05/14/18 13:19	1
PCB-189	**0.0021**	**J q**	0.011	0.0012	ng/g	☼	05/03/18 12:25	05/14/18 13:19	1
PCB-190	**0.0096**	**J**	0.011	0.00020	ng/g	☼	05/03/18 12:25	05/14/18 13:19	1
PCB-191	**0.0017**	**J**	0.011	0.00021	ng/g	☼	05/03/18 12:25	05/14/18 13:19	1
PCB-192	ND		0.011	0.00024	ng/g	☼	05/03/18 12:25	05/14/18 13:19	1
PCB-193	**0.11**	**C180**	0.021	0.00024	ng/g	☼	05/03/18 12:25	05/14/18 13:19	1
PCB-194	**0.026**		0.011	0.00061	ng/g	☼	05/03/18 12:25	05/14/18 13:19	1
PCB-195	**0.011**		0.011	0.00067	ng/g	☼	05/03/18 12:25	05/14/18 13:19	1
PCB-196	**0.0094**	**J**	0.011	0.00019	ng/g	☼	05/03/18 12:25	05/14/18 13:19	1

Client Sample ID: PDI-SG-B334-BL1
Date Collected: 04/23/18 14:56
Date Received: 04/25/18 13:55

Lab Sample ID: 580-76830-6
Matrix: Solid
Percent Solids: 46.0

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-197	ND		0.011	0.00014	ng/g	☼	05/03/18 12:25	05/14/18 13:19	1
PCB-198	**0.030**	**q C B**	0.021	0.00019	ng/g	☼	05/03/18 12:25	05/14/18 13:19	1
PCB-199	**0.030**	**q C198 B**	0.021	0.00019	ng/g	☼	05/03/18 12:25	05/14/18 13:19	1
PCB-200	**0.0028**	**J**	0.011	0.00013	ng/g	☼	05/03/18 12:25	05/14/18 13:19	1
PCB-201	**0.0027**	**J**	0.011	0.00013	ng/g	☼	05/03/18 12:25	05/14/18 13:19	1
PCB-202	**0.0082**	**J**	0.011	0.00014	ng/g	☼	05/03/18 12:25	05/14/18 13:19	1
PCB-203	**0.021**		0.011	0.00017	ng/g	☼	05/03/18 12:25	05/14/18 13:19	1
PCB-204	ND		0.011	0.00014	ng/g	☼	05/03/18 12:25	05/14/18 13:19	1
PCB-205	**0.0015**	**J q B**	0.011	0.00052	ng/g	☼	05/03/18 12:25	05/14/18 13:19	1
PCB-206	**0.024**		0.011	0.0015	ng/g	☼	05/03/18 12:25	05/14/18 13:19	1
PCB-207	**0.0026**	**J**	0.011	0.0010	ng/g	☼	05/03/18 12:25	05/14/18 13:19	1
PCB-208	**0.0076**	**J q**	0.011	0.00099	ng/g	☼	05/03/18 12:25	05/14/18 13:19	1
PCB-209	**0.042**		0.011	0.00036	ng/g	☼	05/03/18 12:25	05/14/18 13:19	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
PCB-1L	*79*		*30 - 140*	*05/03/18 12:25*	*05/14/18 13:19*	*1*
PCB-3L	*86*		*30 - 140*	*05/03/18 12:25*	*05/14/18 13:19*	*1*
PCB-4L	*68*		*30 - 140*	*05/03/18 12:25*	*05/14/18 13:19*	*1*
PCB-15L	*75*		*30 - 140*	*05/03/18 12:25*	*05/14/18 13:19*	*1*
PCB-19L	*83*		*30 - 140*	*05/03/18 12:25*	*05/14/18 13:19*	*1*
PCB-37L	*89*		*30 - 140*	*05/03/18 12:25*	*05/14/18 13:19*	*1*
PCB-54L	*83*		*30 - 140*	*05/03/18 12:25*	*05/14/18 13:19*	*1*
PCB-77L	*89*		*30 - 140*	*05/03/18 12:25*	*05/14/18 13:19*	*1*
PCB-81L	*85*		*30 - 140*	*05/03/18 12:25*	*05/14/18 13:19*	*1*
PCB-104L	*81*		*30 - 140*	*05/03/18 12:25*	*05/14/18 13:19*	*1*
PCB-105L	*84*		*30 - 140*	*05/03/18 12:25*	*05/14/18 13:19*	*1*
PCB-114L	*89*		*30 - 140*	*05/03/18 12:25*	*05/14/18 13:19*	*1*
PCB-118L	*88*		*30 - 140*	*05/03/18 12:25*	*05/14/18 13:19*	*1*
PCB-123L	*88*		*30 - 140*	*05/03/18 12:25*	*05/14/18 13:19*	*1*
PCB-126L	*89*		*30 - 140*	*05/03/18 12:25*	*05/14/18 13:19*	*1*
PCB-155L	*78*		*30 - 140*	*05/03/18 12:25*	*05/14/18 13:19*	*1*
PCB-156L	*87*	*C*	*30 - 140*	*05/03/18 12:25*	*05/14/18 13:19*	*1*
PCB-157L	*87*	*C156*	*30 - 140*	*05/03/18 12:25*	*05/14/18 13:19*	*1*
PCB-167L	*86*		*30 - 140*	*05/03/18 12:25*	*05/14/18 13:19*	*1*
PCB-169L	*92*		*30 - 140*	*05/03/18 12:25*	*05/14/18 13:19*	*1*
PCB-170L	*82*		*30 - 140*	*05/03/18 12:25*	*05/14/18 13:19*	*1*
PCB-188L	*89*		*30 - 140*	*05/03/18 12:25*	*05/14/18 13:19*	*1*
PCB-189L	*87*		*30 - 140*	*05/03/18 12:25*	*05/14/18 13:19*	*1*
PCB-202L	*88*		*30 - 140*	*05/03/18 12:25*	*05/14/18 13:19*	*1*
PCB-205L	*72*		*30 - 140*	*05/03/18 12:25*	*05/14/18 13:19*	*1*
PCB-206L	*66*		*30 - 140*	*05/03/18 12:25*	*05/14/18 13:19*	*1*
PCB-208L	*70*		*30 - 140*	*05/03/18 12:25*	*05/14/18 13:19*	*1*
PCB-209L	*59*		*30 - 140*	*05/03/18 12:25*	*05/14/18 13:19*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
PCB-28L	*94*		*40 - 125*	*05/03/18 12:25*	*05/14/18 13:19*	*1*
PCB-111L	*99*		*40 - 125*	*05/03/18 12:25*	*05/14/18 13:19*	*1*
PCB-178L	*93*		*40 - 125*	*05/03/18 12:25*	*05/14/18 13:19*	*1*

Client Sample ID: PDI-SG-B346-BL1
Date Collected: 04/23/18 16:00
Date Received: 04/25/18 13:55

Lab Sample ID: 580-76830-7
Matrix: Solid
Percent Solids: 50.2

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1	0.0031	J	0.0099	0.00017	ng/g	☼	05/03/18 12:25	05/15/18 08:37	1
PCB-2	0.0037	J B	0.0099	0.00020	ng/g	☼	05/03/18 12:25	05/15/18 08:37	1
PCB-3	0.0018	J q	0.0099	0.00022	ng/g	☼	05/03/18 12:25	05/15/18 08:37	1
PCB-4	0.010	J	0.020	0.0019	ng/g	☼	05/03/18 12:25	05/15/18 08:37	1
PCB-5	ND		0.0099	0.0014	ng/g	☼	05/03/18 12:25	05/15/18 08:37	1
PCB-6	0.0040	J q	0.0099	0.0012	ng/g	☼	05/03/18 12:25	05/15/18 08:37	1
PCB-7	ND		0.0099	0.0013	ng/g	☼	05/03/18 12:25	05/15/18 08:37	1
PCB-8	0.015	J q	0.020	0.0011	ng/g	☼	05/03/18 12:25	05/15/18 08:37	1
PCB-9	ND		0.0099	0.0013	ng/g	☼	05/03/18 12:25	05/15/18 08:37	1
PCB-10	ND		0.0099	0.0014	ng/g	☼	05/03/18 12:25	05/15/18 08:37	1
PCB-11	0.036	B	0.020	0.0012	ng/g	☼	05/03/18 12:25	05/15/18 08:37	1
PCB-12	0.0020	J C q	0.020	0.0013	ng/g	☼	05/03/18 12:25	05/15/18 08:37	1
PCB-13	0.0020	J C12 q	0.020	0.0013	ng/g	☼	05/03/18 12:25	05/15/18 08:37	1
PCB-14	ND		0.0099	0.0011	ng/g	☼	05/03/18 12:25	05/15/18 08:37	1
PCB-15	0.0064	J q	0.0099	0.0013	ng/g	☼	05/03/18 12:25	05/15/18 08:37	1
PCB-16	0.0057	J	0.0099	0.00023	ng/g	☼	05/03/18 12:25	05/15/18 08:37	1
PCB-17	0.0099	q	0.0099	0.00021	ng/g	☼	05/03/18 12:25	05/15/18 08:37	1
PCB-18	0.015	J C	0.020	0.00018	ng/g	☼	05/03/18 12:25	05/15/18 08:37	1
PCB-19	0.012	q	0.0099	0.00026	ng/g	☼	05/03/18 12:25	05/15/18 08:37	1
PCB-20	0.032	C	0.020	0.00041	ng/g	☼	05/03/18 12:25	05/15/18 08:37	1
PCB-21	0.012	J C	0.020	0.00040	ng/g	☼	05/03/18 12:25	05/15/18 08:37	1
PCB-22	0.0087	J	0.0099	0.00041	ng/g	☼	05/03/18 12:25	05/15/18 08:37	1
PCB-23	ND		0.0099	0.00041	ng/g	☼	05/03/18 12:25	05/15/18 08:37	1
PCB-24	ND		0.0099	0.00018	ng/g	☼	05/03/18 12:25	05/15/18 08:37	1
PCB-25	0.0028	J q	0.0099	0.00037	ng/g	☼	05/03/18 12:25	05/15/18 08:37	1
PCB-26	0.0050	J C	0.020	0.00040	ng/g	☼	05/03/18 12:25	05/15/18 08:37	1
PCB-27	0.0027	J q	0.0099	0.00015	ng/g	☼	05/03/18 12:25	05/15/18 08:37	1
PCB-28	0.032	C20	0.020	0.00041	ng/g	☼	05/03/18 12:25	05/15/18 08:37	1
PCB-29	0.0050	J C26	0.020	0.00040	ng/g	☼	05/03/18 12:25	05/15/18 08:37	1
PCB-30	0.015	J C18	0.020	0.00018	ng/g	☼	05/03/18 12:25	05/15/18 08:37	1
PCB-31	0.023		0.020	0.00040	ng/g	☼	05/03/18 12:25	05/15/18 08:37	1
PCB-32	0.0062	J q	0.0099	0.00015	ng/g	☼	05/03/18 12:25	05/15/18 08:37	1
PCB-33	0.012	J C21	0.020	0.00040	ng/g	☼	05/03/18 12:25	05/15/18 08:37	1
PCB-34	ND		0.0099	0.00043	ng/g	☼	05/03/18 12:25	05/15/18 08:37	1
PCB-35	0.00098	J	0.0099	0.00042	ng/g	☼	05/03/18 12:25	05/15/18 08:37	1
PCB-36	ND		0.0099	0.00040	ng/g	☼	05/03/18 12:25	05/15/18 08:37	1
PCB-37	0.0084	J q	0.0099	0.00041	ng/g	☼	05/03/18 12:25	05/15/18 08:37	1
PCB-38	ND		0.0099	0.00043	ng/g	☼	05/03/18 12:25	05/15/18 08:37	1
PCB-39	ND		0.0099	0.00039	ng/g	☼	05/03/18 12:25	05/15/18 08:37	1
PCB-40	0.020	J C	0.030	0.00099	ng/g	☼	05/03/18 12:25	05/15/18 08:37	1
PCB-41	0.020	J C40	0.030	0.00099	ng/g	☼	05/03/18 12:25	05/15/18 08:37	1
PCB-42	0.0070	J q	0.0099	0.00099	ng/g	☼	05/03/18 12:25	05/15/18 08:37	1
PCB-43	0.0023	J C q	0.020	0.00093	ng/g	☼	05/03/18 12:25	05/15/18 08:37	1
PCB-44	0.058	C B	0.030	0.00088	ng/g	☼	05/03/18 12:25	05/15/18 08:37	1
PCB-45	0.010	J C q	0.020	0.0010	ng/g	☼	05/03/18 12:25	05/15/18 08:37	1
PCB-46	0.0023	J q	0.0099	0.0013	ng/g	☼	05/03/18 12:25	05/15/18 08:37	1
PCB-47	0.058	B C44	0.030	0.00088	ng/g	☼	05/03/18 12:25	05/15/18 08:37	1
PCB-48	0.0045	J q	0.0099	0.00099	ng/g	☼	05/03/18 12:25	05/15/18 08:37	1
PCB-49	0.039	C	0.020	0.00081	ng/g	☼	05/03/18 12:25	05/15/18 08:37	1

Client Sample ID: PDI-SG-B346-BL1
Date Collected: 04/23/18 16:00
Date Received: 04/25/18 13:55

Lab Sample ID: 580-76830-7
Matrix: Solid
Percent Solids: 50.2

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-50	0.014	J C	0.020	0.00096	ng/g	☼	05/03/18 12:25	05/15/18 08:37	1
PCB-51	0.010	J C45 q	0.020	0.0010	ng/g	☼	05/03/18 12:25	05/15/18 08:37	1
PCB-52	0.080		0.0099	0.00098	ng/g	☼	05/03/18 12:25	05/15/18 08:37	1
PCB-53	0.014	J C50	0.020	0.00096	ng/g	☼	05/03/18 12:25	05/15/18 08:37	1
PCB-54	0.0024	J	0.0099	0.000035	ng/g	☼	05/03/18 12:25	05/15/18 08:37	1
PCB-55	ND		0.0099	0.00072	ng/g	☼	05/03/18 12:25	05/15/18 08:37	1
PCB-56	0.016		0.0099	0.00072	ng/g	☼	05/03/18 12:25	05/15/18 08:37	1
PCB-57	ND		0.0099	0.00073	ng/g	☼	05/03/18 12:25	05/15/18 08:37	1
PCB-58	ND		0.0099	0.00074	ng/g	☼	05/03/18 12:25	05/15/18 08:37	1
PCB-59	0.0025	J C q	0.030	0.00070	ng/g	☼	05/03/18 12:25	05/15/18 08:37	1
PCB-60	0.0063	J q	0.0099	0.00074	ng/g	☼	05/03/18 12:25	05/15/18 08:37	1
PCB-61	0.079	C B	0.040	0.00069	ng/g	☼	05/03/18 12:25	05/15/18 08:37	1
PCB-62	0.0025	J C59 q	0.030	0.00070	ng/g	☼	05/03/18 12:25	05/15/18 08:37	1
PCB-63	0.0012	J q	0.0099	0.00067	ng/g	☼	05/03/18 12:25	05/15/18 08:37	1
PCB-64	0.017		0.0099	0.00066	ng/g	☼	05/03/18 12:25	05/15/18 08:37	1
PCB-65	0.058	B C44	0.030	0.00088	ng/g	☼	05/03/18 12:25	05/15/18 08:37	1
PCB-66	0.045		0.0099	0.00069	ng/g	☼	05/03/18 12:25	05/15/18 08:37	1
PCB-67	0.0012	J q	0.0099	0.00063	ng/g	☼	05/03/18 12:25	05/15/18 08:37	1
PCB-68	0.0010	J q	0.0099	0.00065	ng/g	☼	05/03/18 12:25	05/15/18 08:37	1
PCB-69	0.039	C49	0.020	0.00081	ng/g	☼	05/03/18 12:25	05/15/18 08:37	1
PCB-70	0.079	C61 B	0.040	0.00069	ng/g	☼	05/03/18 12:25	05/15/18 08:37	1
PCB-71	0.020	J C40	0.030	0.00099	ng/g	☼	05/03/18 12:25	05/15/18 08:37	1
PCB-72	0.0011	J q	0.0099	0.00072	ng/g	☼	05/03/18 12:25	05/15/18 08:37	1
PCB-73	0.0023	J C43 q	0.020	0.00093	ng/g	☼	05/03/18 12:25	05/15/18 08:37	1
PCB-74	0.079	C61 B	0.040	0.00069	ng/g	☼	05/03/18 12:25	05/15/18 08:37	1
PCB-75	0.0025	J C59 q	0.030	0.00070	ng/g	☼	05/03/18 12:25	05/15/18 08:37	1
PCB-76	0.079	C61 B	0.040	0.00069	ng/g	☼	05/03/18 12:25	05/15/18 08:37	1
PCB-77	0.0050	J B	0.0099	0.00071	ng/g	☼	05/03/18 12:25	05/15/18 08:37	1
PCB-78	ND		0.0099	0.00074	ng/g	☼	05/03/18 12:25	05/15/18 08:37	1
PCB-79	0.0012	J q	0.0099	0.00064	ng/g	☼	05/03/18 12:25	05/15/18 08:37	1
PCB-80	ND		0.0099	0.00063	ng/g	☼	05/03/18 12:25	05/15/18 08:37	1
PCB-81	ND		0.0099	0.00067	ng/g	☼	05/03/18 12:25	05/15/18 08:37	1
PCB-82	0.015		0.0099	0.00030	ng/g	☼	05/03/18 12:25	05/15/18 08:37	1
PCB-83	0.095	C	0.020	0.00028	ng/g	☼	05/03/18 12:25	05/15/18 08:37	1
PCB-84	0.031	B	0.0099	0.00031	ng/g	☼	05/03/18 12:25	05/15/18 08:37	1
PCB-85	0.028	J C	0.030	0.00022	ng/g	☼	05/03/18 12:25	05/15/18 08:37	1
PCB-86	0.089	C B	0.059	0.00023	ng/g	☼	05/03/18 12:25	05/15/18 08:37	1
PCB-87	0.089	B C86	0.059	0.00023	ng/g	☼	05/03/18 12:25	05/15/18 08:37	1
PCB-88	0.027	C	0.020	0.00027	ng/g	☼	05/03/18 12:25	05/15/18 08:37	1
PCB-89	ND		0.0099	0.00030	ng/g	☼	05/03/18 12:25	05/15/18 08:37	1
PCB-90	0.17	C B	0.030	0.00023	ng/g	☼	05/03/18 12:25	05/15/18 08:37	1
PCB-91	0.027	C88	0.020	0.00027	ng/g	☼	05/03/18 12:25	05/15/18 08:37	1
PCB-92	0.030		0.0099	0.00026	ng/g	☼	05/03/18 12:25	05/15/18 08:37	1
PCB-93	0.0056	J C	0.020	0.00026	ng/g	☼	05/03/18 12:25	05/15/18 08:37	1
PCB-94	ND		0.0099	0.00030	ng/g	☼	05/03/18 12:25	05/15/18 08:37	1
PCB-95	0.13	B	0.0099	0.00029	ng/g	☼	05/03/18 12:25	05/15/18 08:37	1
PCB-96	ND		0.0099	0.00022	ng/g	☼	05/03/18 12:25	05/15/18 08:37	1
PCB-97	0.089	B C86	0.059	0.00023	ng/g	☼	05/03/18 12:25	05/15/18 08:37	1
PCB-98	0.0031	J C q	0.020	0.00025	ng/g	☼	05/03/18 12:25	05/15/18 08:37	1

Client Sample ID: PDI-SG-B346-BL1
Date Collected: 04/23/18 16:00
Date Received: 04/25/18 13:55

Lab Sample ID: 580-76830-7
Matrix: Solid
Percent Solids: 50.2

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-99	0.095	C83	0.020	0.00028	ng/g	☼	05/03/18 12:25	05/15/18 08:37	1
PCB-100	0.0056	J C93	0.020	0.00026	ng/g	☼	05/03/18 12:25	05/15/18 08:37	1
PCB-101	0.17	B C90	0.030	0.00023	ng/g	☼	05/03/18 12:25	05/15/18 08:37	1
PCB-102	0.0031	J C98 q	0.020	0.00025	ng/g	☼	05/03/18 12:25	05/15/18 08:37	1
PCB-103	0.0036	J	0.0099	0.00026	ng/g	☼	05/03/18 12:25	05/15/18 08:37	1
PCB-104	ND		0.0099	0.00020	ng/g	☼	05/03/18 12:25	05/15/18 08:37	1
PCB-105	0.045	B	0.0099	0.00087	ng/g	☼	05/03/18 12:25	05/15/18 08:37	1
PCB-106	ND		0.0099	0.00091	ng/g	☼	05/03/18 12:25	05/15/18 08:37	1
PCB-107	0.011		0.0099	0.00097	ng/g	☼	05/03/18 12:25	05/15/18 08:37	1
PCB-108	0.0045	J C	0.020	0.00093	ng/g	☼	05/03/18 12:25	05/15/18 08:37	1
PCB-109	0.089	B C86	0.059	0.00023	ng/g	☼	05/03/18 12:25	05/15/18 08:37	1
PCB-110	0.18	C B	0.020	0.00019	ng/g	☼	05/03/18 12:25	05/15/18 08:37	1
PCB-111	ND		0.0099	0.00018	ng/g	☼	05/03/18 12:25	05/15/18 08:37	1
PCB-112	ND		0.0099	0.00019	ng/g	☼	05/03/18 12:25	05/15/18 08:37	1
PCB-113	0.17	B C90	0.030	0.00023	ng/g	☼	05/03/18 12:25	05/15/18 08:37	1
PCB-114	0.0027	J	0.0099	0.00084	ng/g	☼	05/03/18 12:25	05/15/18 08:37	1
PCB-115	0.18	B C110	0.020	0.00019	ng/g	☼	05/03/18 12:25	05/15/18 08:37	1
PCB-116	0.028	J C85	0.030	0.00022	ng/g	☼	05/03/18 12:25	05/15/18 08:37	1
PCB-117	0.028	J C85	0.030	0.00022	ng/g	☼	05/03/18 12:25	05/15/18 08:37	1
PCB-118	0.12	B	0.0099	0.00087	ng/g	☼	05/03/18 12:25	05/15/18 08:37	1
PCB-119	0.089	B C86	0.059	0.00023	ng/g	☼	05/03/18 12:25	05/15/18 08:37	1
PCB-120	ND		0.0099	0.00019	ng/g	☼	05/03/18 12:25	05/15/18 08:37	1
PCB-121	ND		0.0099	0.00019	ng/g	☼	05/03/18 12:25	05/15/18 08:37	1
PCB-122	0.0016	J	0.0099	0.0010	ng/g	☼	05/03/18 12:25	05/15/18 08:37	1
PCB-123	0.0023	J B q	0.0099	0.00090	ng/g	☼	05/03/18 12:25	05/15/18 08:37	1
PCB-124	0.0045	J C108	0.020	0.00093	ng/g	☼	05/03/18 12:25	05/15/18 08:37	1
PCB-125	0.089	B C86	0.059	0.00023	ng/g	☼	05/03/18 12:25	05/15/18 08:37	1
PCB-126	0.0015	J B	0.0099	0.00094	ng/g	☼	05/03/18 12:25	05/15/18 08:37	1
PCB-127	ND		0.0099	0.00090	ng/g	☼	05/03/18 12:25	05/15/18 08:37	1
PCB-128	0.035	C B	0.020	0.0013	ng/g	☼	05/03/18 12:25	05/15/18 08:37	1
PCB-129	0.27	C B	0.040	0.0014	ng/g	☼	05/03/18 12:25	05/15/18 08:37	1
PCB-130	0.016		0.0099	0.0018	ng/g	☼	05/03/18 12:25	05/15/18 08:37	1
PCB-131	0.0027	J	0.0099	0.0019	ng/g	☼	05/03/18 12:25	05/15/18 08:37	1
PCB-132	0.076		0.0099	0.0017	ng/g	☼	05/03/18 12:25	05/15/18 08:37	1
PCB-133	0.0046	J q	0.0099	0.0017	ng/g	☼	05/03/18 12:25	05/15/18 08:37	1
PCB-134	0.012	J C q	0.020	0.0018	ng/g	☼	05/03/18 12:25	05/15/18 08:37	1
PCB-135	0.091	C	0.020	0.00023	ng/g	☼	05/03/18 12:25	05/15/18 08:37	1
PCB-136	0.032		0.0099	0.00016	ng/g	☼	05/03/18 12:25	05/15/18 08:37	1
PCB-137	0.0077	J	0.0099	0.0015	ng/g	☼	05/03/18 12:25	05/15/18 08:37	1
PCB-138	0.27	B C129	0.040	0.0014	ng/g	☼	05/03/18 12:25	05/15/18 08:37	1
PCB-139	0.0035	J C q	0.020	0.0015	ng/g	☼	05/03/18 12:25	05/15/18 08:37	1
PCB-140	0.0035	J C139 q	0.020	0.0015	ng/g	☼	05/03/18 12:25	05/15/18 08:37	1
PCB-141	0.046		0.0099	0.0016	ng/g	☼	05/03/18 12:25	05/15/18 08:37	1
PCB-142	ND		0.0099	0.0017	ng/g	☼	05/03/18 12:25	05/15/18 08:37	1
PCB-143	0.012	J C134 q	0.020	0.0018	ng/g	☼	05/03/18 12:25	05/15/18 08:37	1
PCB-144	0.0086	J	0.0099	0.00021	ng/g	☼	05/03/18 12:25	05/15/18 08:37	1
PCB-145	ND		0.0099	0.00016	ng/g	☼	05/03/18 12:25	05/15/18 08:37	1
PCB-146	0.042		0.0099	0.0015	ng/g	☼	05/03/18 12:25	05/15/18 08:37	1
PCB-147	0.23	C	0.020	0.0017	ng/g	☼	05/03/18 12:25	05/15/18 08:37	1

Client Sample ID: PDI-SG-B346-BL1
Date Collected: 04/23/18 16:00
Date Received: 04/25/18 13:55

Lab Sample ID: 580-76830-7
Matrix: Solid
Percent Solids: 50.2

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-148	ND		0.0099	0.00022	ng/g	☼	05/03/18 12:25	05/15/18 08:37	1
PCB-149	**0.23**	**C147**	0.020	0.0017	ng/g	☼	05/03/18 12:25	05/15/18 08:37	1
PCB-150	ND		0.0099	0.00015	ng/g	☼	05/03/18 12:25	05/15/18 08:37	1
PCB-151	**0.091**	**C135**	0.020	0.00023	ng/g	☼	05/03/18 12:25	05/15/18 08:37	1
PCB-152	ND		0.0099	0.00016	ng/g	☼	05/03/18 12:25	05/15/18 08:37	1
PCB-153	**0.23**	**C**	0.020	0.0012	ng/g	☼	05/03/18 12:25	05/15/18 08:37	1
PCB-154	**0.0021**	**J q**	0.0099	0.00018	ng/g	☼	05/03/18 12:25	05/15/18 08:37	1
PCB-155	ND		0.0099	0.00015	ng/g	☼	05/03/18 12:25	05/15/18 08:37	1
PCB-156	**0.024**	**C B**	0.020	0.0014	ng/g	☼	05/03/18 12:25	05/15/18 08:37	1
PCB-157	**0.024**	**C156 B**	0.020	0.0014	ng/g	☼	05/03/18 12:25	05/15/18 08:37	1
PCB-158	**0.023**		0.0099	0.0011	ng/g	☼	05/03/18 12:25	05/15/18 08:37	1
PCB-159	**0.0017**	**J q**	0.0099	0.0011	ng/g	☼	05/03/18 12:25	05/15/18 08:37	1
PCB-160	**0.27**	**B C129**	0.040	0.0014	ng/g	☼	05/03/18 12:25	05/15/18 08:37	1
PCB-161	ND		0.0099	0.0011	ng/g	☼	05/03/18 12:25	05/15/18 08:37	1
PCB-162	**0.0013**	**J**	0.0099	0.0011	ng/g	☼	05/03/18 12:25	05/15/18 08:37	1
PCB-163	**0.27**	**B C129**	0.040	0.0014	ng/g	☼	05/03/18 12:25	05/15/18 08:37	1
PCB-164	**0.019**		0.0099	0.0012	ng/g	☼	05/03/18 12:25	05/15/18 08:37	1
PCB-165	ND		0.0099	0.0013	ng/g	☼	05/03/18 12:25	05/15/18 08:37	1
PCB-166	**0.035**	**C128 B**	0.020	0.0013	ng/g	☼	05/03/18 12:25	05/15/18 08:37	1
PCB-167	**0.0080**	**J**	0.0099	0.00087	ng/g	☼	05/03/18 12:25	05/15/18 08:37	1
PCB-168	**0.23**	**C153**	0.020	0.0012	ng/g	☼	05/03/18 12:25	05/15/18 08:37	1
PCB-169	ND		0.0099	0.00086	ng/g	☼	05/03/18 12:25	05/15/18 08:37	1
PCB-170	**0.069**		0.0099	0.00055	ng/g	☼	05/03/18 12:25	05/15/18 08:37	1
PCB-171	**0.021**	**C**	0.020	0.00050	ng/g	☼	05/03/18 12:25	05/15/18 08:37	1
PCB-172	**0.012**		0.0099	0.00050	ng/g	☼	05/03/18 12:25	05/15/18 08:37	1
PCB-173	**0.021**	**C171**	0.020	0.00050	ng/g	☼	05/03/18 12:25	05/15/18 08:37	1
PCB-174	**0.074**		0.0099	0.00047	ng/g	☼	05/03/18 12:25	05/15/18 08:37	1
PCB-175	**0.0018**	**J q**	0.0099	0.00045	ng/g	☼	05/03/18 12:25	05/15/18 08:37	1
PCB-176	**0.0091**	**J**	0.0099	0.00034	ng/g	☼	05/03/18 12:25	05/15/18 08:37	1
PCB-177	**0.045**		0.0099	0.00048	ng/g	☼	05/03/18 12:25	05/15/18 08:37	1
PCB-178	**0.018**		0.0099	0.00049	ng/g	☼	05/03/18 12:25	05/15/18 08:37	1
PCB-179	**0.036**		0.0099	0.00036	ng/g	☼	05/03/18 12:25	05/15/18 08:37	1
PCB-180	**0.15**	**C**	0.020	0.00038	ng/g	☼	05/03/18 12:25	05/15/18 08:37	1
PCB-181	ND		0.0099	0.00045	ng/g	☼	05/03/18 12:25	05/15/18 08:37	1
PCB-182	**0.0012**	**J**	0.0099	0.00043	ng/g	☼	05/03/18 12:25	05/15/18 08:37	1
PCB-183	**0.048**	**C**	0.020	0.00044	ng/g	☼	05/03/18 12:25	05/15/18 08:37	1
PCB-184	ND		0.0099	0.00037	ng/g	☼	05/03/18 12:25	05/15/18 08:37	1
PCB-185	**0.048**	**C183**	0.020	0.00044	ng/g	☼	05/03/18 12:25	05/15/18 08:37	1
PCB-186	ND		0.0099	0.00036	ng/g	☼	05/03/18 12:25	05/15/18 08:37	1
PCB-187	**0.099**		0.0099	0.00042	ng/g	☼	05/03/18 12:25	05/15/18 08:37	1
PCB-188	ND		0.0099	0.00031	ng/g	☼	05/03/18 12:25	05/15/18 08:37	1
PCB-189	**0.0024**	**J q**	0.0099	0.0011	ng/g	☼	05/03/18 12:25	05/15/18 08:37	1
PCB-190	**0.013**		0.0099	0.00033	ng/g	☼	05/03/18 12:25	05/15/18 08:37	1
PCB-191	**0.0029**	**J**	0.0099	0.00034	ng/g	☼	05/03/18 12:25	05/15/18 08:37	1
PCB-192	ND		0.0099	0.00038	ng/g	☼	05/03/18 12:25	05/15/18 08:37	1
PCB-193	**0.15**	**C180**	0.020	0.00038	ng/g	☼	05/03/18 12:25	05/15/18 08:37	1
PCB-194	**0.036**		0.0099	0.0010	ng/g	☼	05/03/18 12:25	05/15/18 08:37	1
PCB-195	**0.015**		0.0099	0.0011	ng/g	☼	05/03/18 12:25	05/15/18 08:37	1
PCB-196	**0.012**	**q**	0.0099	0.00042	ng/g	☼	05/03/18 12:25	05/15/18 08:37	1

Client Sample ID: PDI-SG-B346-BL1
Date Collected: 04/23/18 16:00
Date Received: 04/25/18 13:55

Lab Sample ID: 580-76830-7
Matrix: Solid
Percent Solids: 50.2

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-197	0.0012	J	0.0099	0.00032	ng/g	☼	05/03/18 12:25	05/15/18 08:37	1
PCB-198	0.041	C B	0.020	0.00043	ng/g	☼	05/03/18 12:25	05/15/18 08:37	1
PCB-199	0.041	C198 B	0.020	0.00043	ng/g	☼	05/03/18 12:25	05/15/18 08:37	1
PCB-200	0.0037	J	0.0099	0.00029	ng/g	☼	05/03/18 12:25	05/15/18 08:37	1
PCB-201	0.0041	J	0.0099	0.00029	ng/g	☼	05/03/18 12:25	05/15/18 08:37	1
PCB-202	0.0084	J	0.0099	0.00033	ng/g	☼	05/03/18 12:25	05/15/18 08:37	1
PCB-203	0.027		0.0099	0.00038	ng/g	☼	05/03/18 12:25	05/15/18 08:37	1
PCB-204	ND		0.0099	0.00032	ng/g	☼	05/03/18 12:25	05/15/18 08:37	1
PCB-205	ND		0.0099	0.00088	ng/g	☼	05/03/18 12:25	05/15/18 08:37	1
PCB-206	0.021		0.0099	0.0015	ng/g	☼	05/03/18 12:25	05/15/18 08:37	1
PCB-207	0.0029	J	0.0099	0.0010	ng/g	☼	05/03/18 12:25	05/15/18 08:37	1
PCB-208	0.0071	J	0.0099	0.0011	ng/g	☼	05/03/18 12:25	05/15/18 08:37	1
PCB-209	0.028		0.0099	0.00060	ng/g	☼	05/03/18 12:25	05/15/18 08:37	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
PCB-1L	*71*		*30 - 140*	*05/03/18 12:25*	*05/15/18 08:37*	*1*
PCB-3L	*77*		*30 - 140*	*05/03/18 12:25*	*05/15/18 08:37*	*1*
PCB-4L	*69*		*30 - 140*	*05/03/18 12:25*	*05/15/18 08:37*	*1*
PCB-15L	*78*		*30 - 140*	*05/03/18 12:25*	*05/15/18 08:37*	*1*
PCB-19L	*82*		*30 - 140*	*05/03/18 12:25*	*05/15/18 08:37*	*1*
PCB-37L	*88*		*30 - 140*	*05/03/18 12:25*	*05/15/18 08:37*	*1*
PCB-54L	*79*		*30 - 140*	*05/03/18 12:25*	*05/15/18 08:37*	*1*
PCB-77L	*84*		*30 - 140*	*05/03/18 12:25*	*05/15/18 08:37*	*1*
PCB-81L	*84*		*30 - 140*	*05/03/18 12:25*	*05/15/18 08:37*	*1*
PCB-104L	*79*		*30 - 140*	*05/03/18 12:25*	*05/15/18 08:37*	*1*
PCB-105L	*90*		*30 - 140*	*05/03/18 12:25*	*05/15/18 08:37*	*1*
PCB-114L	*90*		*30 - 140*	*05/03/18 12:25*	*05/15/18 08:37*	*1*
PCB-118L	*86*		*30 - 140*	*05/03/18 12:25*	*05/15/18 08:37*	*1*
PCB-123L	*87*		*30 - 140*	*05/03/18 12:25*	*05/15/18 08:37*	*1*
PCB-126L	*86*		*30 - 140*	*05/03/18 12:25*	*05/15/18 08:37*	*1*
PCB-155L	*80*		*30 - 140*	*05/03/18 12:25*	*05/15/18 08:37*	*1*
PCB-156L	*88*	*C*	*30 - 140*	*05/03/18 12:25*	*05/15/18 08:37*	*1*
PCB-157L	*88*	*C156*	*30 - 140*	*05/03/18 12:25*	*05/15/18 08:37*	*1*
PCB-167L	*91*		*30 - 140*	*05/03/18 12:25*	*05/15/18 08:37*	*1*
PCB-169L	*94*		*30 - 140*	*05/03/18 12:25*	*05/15/18 08:37*	*1*
PCB-170L	*84*		*30 - 140*	*05/03/18 12:25*	*05/15/18 08:37*	*1*
PCB-188L	*92*		*30 - 140*	*05/03/18 12:25*	*05/15/18 08:37*	*1*
PCB-189L	*89*		*30 - 140*	*05/03/18 12:25*	*05/15/18 08:37*	*1*
PCB-202L	*92*		*30 - 140*	*05/03/18 12:25*	*05/15/18 08:37*	*1*
PCB-205L	*72*		*30 - 140*	*05/03/18 12:25*	*05/15/18 08:37*	*1*
PCB-206L	*72*		*30 - 140*	*05/03/18 12:25*	*05/15/18 08:37*	*1*
PCB-208L	*71*		*30 - 140*	*05/03/18 12:25*	*05/15/18 08:37*	*1*
PCB-209L	*64*		*30 - 140*	*05/03/18 12:25*	*05/15/18 08:37*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
PCB-28L	*93*		*40 - 125*	*05/03/18 12:25*	*05/15/18 08:37*	*1*
PCB-111L	*92*		*40 - 125*	*05/03/18 12:25*	*05/15/18 08:37*	*1*
PCB-178L	*91*		*40 - 125*	*05/03/18 12:25*	*05/15/18 08:37*	*1*

Client Sample ID: PDI-SG-B265-BL1
Date Collected: 04/23/18 10:07
Date Received: 04/25/18 13:55

Lab Sample ID: 580-76830-8
Matrix: Solid
Percent Solids: 43.1

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1	2.4		0.28	0.0073	ng/g	☼	05/03/18 12:25	05/15/18 01:26	5
PCB-2	0.23	J B	0.28	0.0075	ng/g	☼	05/03/18 12:25	05/15/18 01:26	5
PCB-3	1.1		0.28	0.0075	ng/g	☼	05/03/18 12:25	05/15/18 01:26	5
PCB-4	0.93	q	0.56	0.065	ng/g	☼	05/03/18 12:25	05/15/18 01:26	5
PCB-5	0.098	J q	0.28	0.050	ng/g	☼	05/03/18 12:25	05/15/18 01:26	5
PCB-6	0.63		0.28	0.044	ng/g	☼	05/03/18 12:25	05/15/18 01:26	5
PCB-7	0.23	J q	0.28	0.045	ng/g	☼	05/03/18 12:25	05/15/18 01:26	5
PCB-8	1.8		0.56	0.041	ng/g	☼	05/03/18 12:25	05/15/18 01:26	5
PCB-9	0.17	J q	0.28	0.046	ng/g	☼	05/03/18 12:25	05/15/18 01:26	5
PCB-10	0.066	J q	0.28	0.049	ng/g	☼	05/03/18 12:25	05/15/18 01:26	5
PCB-11	0.32	J q B	0.56	0.043	ng/g	☼	05/03/18 12:25	05/15/18 01:26	5
PCB-12	0.30	J q C	0.56	0.045	ng/g	☼	05/03/18 12:25	05/15/18 01:26	5
PCB-13	0.30	J q C12	0.56	0.045	ng/g	☼	05/03/18 12:25	05/15/18 01:26	5
PCB-14	ND		0.28	0.038	ng/g	☼	05/03/18 12:25	05/15/18 01:26	5
PCB-15	0.82	q	0.28	0.045	ng/g	☼	05/03/18 12:25	05/15/18 01:26	5
PCB-16	0.55	q	0.28	0.0076	ng/g	☼	05/03/18 12:25	05/15/18 01:26	5
PCB-17	0.93		0.28	0.0068	ng/g	☼	05/03/18 12:25	05/15/18 01:26	5
PCB-18	1.7	C	0.56	0.0060	ng/g	☼	05/03/18 12:25	05/15/18 01:26	5
PCB-19	0.19	J q	0.28	0.0084	ng/g	☼	05/03/18 12:25	05/15/18 01:26	5
PCB-20	3.0	C	0.56	0.013	ng/g	☼	05/03/18 12:25	05/15/18 01:26	5
PCB-21	1.5	C	0.56	0.013	ng/g	☼	05/03/18 12:25	05/15/18 01:26	5
PCB-22	0.63		0.28	0.014	ng/g	☼	05/03/18 12:25	05/15/18 01:26	5
PCB-23	ND		0.28	0.014	ng/g	☼	05/03/18 12:25	05/15/18 01:26	5
PCB-24	0.024	J q	0.28	0.0057	ng/g	☼	05/03/18 12:25	05/15/18 01:26	5
PCB-25	0.33		0.28	0.012	ng/g	☼	05/03/18 12:25	05/15/18 01:26	5
PCB-26	0.43	J C	0.56	0.013	ng/g	☼	05/03/18 12:25	05/15/18 01:26	5
PCB-27	0.14	J	0.28	0.0050	ng/g	☼	05/03/18 12:25	05/15/18 01:26	5
PCB-28	3.0	C20	0.56	0.013	ng/g	☼	05/03/18 12:25	05/15/18 01:26	5
PCB-29	0.43	J C26	0.56	0.013	ng/g	☼	05/03/18 12:25	05/15/18 01:26	5
PCB-30	1.7	C18	0.56	0.0060	ng/g	☼	05/03/18 12:25	05/15/18 01:26	5
PCB-31	2.3		0.56	0.013	ng/g	☼	05/03/18 12:25	05/15/18 01:26	5
PCB-32	0.59		0.28	0.0048	ng/g	☼	05/03/18 12:25	05/15/18 01:26	5
PCB-33	1.5	C21	0.56	0.013	ng/g	☼	05/03/18 12:25	05/15/18 01:26	5
PCB-34	ND		0.28	0.014	ng/g	☼	05/03/18 12:25	05/15/18 01:26	5
PCB-35	0.075	J q	0.28	0.014	ng/g	☼	05/03/18 12:25	05/15/18 01:26	5
PCB-36	ND		0.28	0.013	ng/g	☼	05/03/18 12:25	05/15/18 01:26	5
PCB-37	0.81		0.28	0.014	ng/g	☼	05/03/18 12:25	05/15/18 01:26	5
PCB-38	ND		0.28	0.014	ng/g	☼	05/03/18 12:25	05/15/18 01:26	5
PCB-39	0.087	J q	0.28	0.013	ng/g	☼	05/03/18 12:25	05/15/18 01:26	5
PCB-40	3.5	C	0.83	0.12	ng/g	☼	05/03/18 12:25	05/15/18 01:26	5
PCB-41	3.5	C40	0.83	0.12	ng/g	☼	05/03/18 12:25	05/15/18 01:26	5
PCB-42	2.7		0.28	0.12	ng/g	☼	05/03/18 12:25	05/15/18 01:26	5
PCB-43	ND	C	0.56	0.11	ng/g	☼	05/03/18 12:25	05/15/18 01:26	5
PCB-44	19	C B	0.83	0.10	ng/g	☼	05/03/18 12:25	05/15/18 01:26	5
PCB-45	0.93	C	0.56	0.12	ng/g	☼	05/03/18 12:25	05/15/18 01:26	5
PCB-46	ND		0.28	0.15	ng/g	☼	05/03/18 12:25	05/15/18 01:26	5
PCB-47	19	C44 B	0.83	0.10	ng/g	☼	05/03/18 12:25	05/15/18 01:26	5
PCB-48	0.85		0.28	0.12	ng/g	☼	05/03/18 12:25	05/15/18 01:26	5
PCB-49	15	C	0.56	0.097	ng/g	☼	05/03/18 12:25	05/15/18 01:26	5

Client Sample ID: PDI-SG-B265-BL1
Date Collected: 04/23/18 10:07
Date Received: 04/25/18 13:55

Lab Sample ID: 580-76830-8
Matrix: Solid
Percent Solids: 43.1

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-50	1.2	C	0.56	0.11	ng/g	☼	05/03/18 12:25	05/15/18 01:26	5
PCB-51	0.93	C45	0.56	0.12	ng/g	☼	05/03/18 12:25	05/15/18 01:26	5
PCB-52	42		0.28	0.12	ng/g	☼	05/03/18 12:25	05/15/18 01:26	5
PCB-53	1.2	C50	0.56	0.11	ng/g	☼	05/03/18 12:25	05/15/18 01:26	5
PCB-54	ND		0.28	0.00098	ng/g	☼	05/03/18 12:25	05/15/18 01:26	5
PCB-55	ND		0.28	0.086	ng/g	☼	05/03/18 12:25	05/15/18 01:26	5
PCB-56	3.4		0.28	0.086	ng/g	☼	05/03/18 12:25	05/15/18 01:26	5
PCB-57	ND		0.28	0.087	ng/g	☼	05/03/18 12:25	05/15/18 01:26	5
PCB-58	0.26	J q	0.28	0.089	ng/g	☼	05/03/18 12:25	05/15/18 01:26	5
PCB-59	0.68	J C	0.83	0.084	ng/g	☼	05/03/18 12:25	05/15/18 01:26	5
PCB-60	0.81		0.28	0.088	ng/g	☼	05/03/18 12:25	05/15/18 01:26	5
PCB-61	32	C B	1.1	0.082	ng/g	☼	05/03/18 12:25	05/15/18 01:26	5
PCB-62	0.68	J C59	0.83	0.084	ng/g	☼	05/03/18 12:25	05/15/18 01:26	5
PCB-63	0.50		0.28	0.080	ng/g	☼	05/03/18 12:25	05/15/18 01:26	5
PCB-64	4.2		0.28	0.079	ng/g	☼	05/03/18 12:25	05/15/18 01:26	5
PCB-65	19	C44 B	0.83	0.10	ng/g	☼	05/03/18 12:25	05/15/18 01:26	5
PCB-66	14		0.28	0.082	ng/g	☼	05/03/18 12:25	05/15/18 01:26	5
PCB-67	ND		0.28	0.076	ng/g	☼	05/03/18 12:25	05/15/18 01:26	5
PCB-68	0.53		0.28	0.077	ng/g	☼	05/03/18 12:25	05/15/18 01:26	5
PCB-69	15	C49	0.56	0.097	ng/g	☼	05/03/18 12:25	05/15/18 01:26	5
PCB-70	32	C61 B	1.1	0.082	ng/g	☼	05/03/18 12:25	05/15/18 01:26	5
PCB-71	3.5	C40	0.83	0.12	ng/g	☼	05/03/18 12:25	05/15/18 01:26	5
PCB-72	0.89		0.28	0.086	ng/g	☼	05/03/18 12:25	05/15/18 01:26	5
PCB-73	ND	C43	0.56	0.11	ng/g	☼	05/03/18 12:25	05/15/18 01:26	5
PCB-74	32	C61 B	1.1	0.082	ng/g	☼	05/03/18 12:25	05/15/18 01:26	5
PCB-75	0.68	J C59	0.83	0.084	ng/g	☼	05/03/18 12:25	05/15/18 01:26	5
PCB-76	32	C61 B	1.1	0.082	ng/g	☼	05/03/18 12:25	05/15/18 01:26	5
PCB-77	0.97	B	0.28	0.082	ng/g	☼	05/03/18 12:25	05/15/18 01:26	5
PCB-78	ND		0.28	0.089	ng/g	☼	05/03/18 12:25	05/15/18 01:26	5
PCB-79	0.68		0.28	0.077	ng/g	☼	05/03/18 12:25	05/15/18 01:26	5
PCB-80	ND		0.28	0.075	ng/g	☼	05/03/18 12:25	05/15/18 01:26	5
PCB-81	ND		0.28	0.083	ng/g	☼	05/03/18 12:25	05/15/18 01:26	5
PCB-82	7.6		0.28	0.0045	ng/g	☼	05/03/18 12:25	05/15/18 01:26	5
PCB-83	48	C	0.56	0.0041	ng/g	☼	05/03/18 12:25	05/15/18 01:26	5
PCB-84	23	B	0.28	0.0045	ng/g	☼	05/03/18 12:25	05/15/18 01:26	5
PCB-85	10	C	0.83	0.0033	ng/g	☼	05/03/18 12:25	05/15/18 01:26	5
PCB-86	52	C B	1.7	0.0033	ng/g	☼	05/03/18 12:25	05/15/18 01:26	5
PCB-87	52	C86 B	1.7	0.0033	ng/g	☼	05/03/18 12:25	05/15/18 01:26	5
PCB-88	12	C	0.56	0.0040	ng/g	☼	05/03/18 12:25	05/15/18 01:26	5
PCB-89	ND		0.28	0.0044	ng/g	☼	05/03/18 12:25	05/15/18 01:26	5
PCB-90	87	C B	0.83	0.0034	ng/g	☼	05/03/18 12:25	05/15/18 01:26	5
PCB-91	12	C88	0.56	0.0040	ng/g	☼	05/03/18 12:25	05/15/18 01:26	5
PCB-92	16		0.28	0.0038	ng/g	☼	05/03/18 12:25	05/15/18 01:26	5
PCB-93	1.1	C	0.56	0.0039	ng/g	☼	05/03/18 12:25	05/15/18 01:26	5
PCB-94	ND		0.28	0.0044	ng/g	☼	05/03/18 12:25	05/15/18 01:26	5
PCB-95	76	B	0.28	0.0042	ng/g	☼	05/03/18 12:25	05/15/18 01:26	5
PCB-96	ND		0.28	0.0033	ng/g	☼	05/03/18 12:25	05/15/18 01:26	5
PCB-97	52	C86 B	1.7	0.0033	ng/g	☼	05/03/18 12:25	05/15/18 01:26	5
PCB-98	1.8	C	0.56	0.0038	ng/g	☼	05/03/18 12:25	05/15/18 01:26	5

Client Sample ID: PDI-SG-B265-BL1
Date Collected: 04/23/18 10:07
Date Received: 04/25/18 13:55

Lab Sample ID: 580-76830-8
Matrix: Solid
Percent Solids: 43.1

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-99	48	C83	0.56	0.0041	ng/g	☼	05/03/18 12:25	05/15/18 01:26	5
PCB-100	1.1	C93	0.56	0.0039	ng/g	☼	05/03/18 12:25	05/15/18 01:26	5
PCB-101	87	C90 B	0.83	0.0034	ng/g	☼	05/03/18 12:25	05/15/18 01:26	5
PCB-102	1.8	C98	0.56	0.0038	ng/g	☼	05/03/18 12:25	05/15/18 01:26	5
PCB-103	1.1		0.28	0.0039	ng/g	☼	05/03/18 12:25	05/15/18 01:26	5
PCB-104	ND		0.28	0.0029	ng/g	☼	05/03/18 12:25	05/15/18 01:26	5
PCB-105	18	B	0.28	0.040	ng/g	☼	05/03/18 12:25	05/15/18 01:26	5
PCB-106	ND		0.28	0.042	ng/g	☼	05/03/18 12:25	05/15/18 01:26	5
PCB-107	5.4	q	0.28	0.045	ng/g	☼	05/03/18 12:25	05/15/18 01:26	5
PCB-108	2.3	C	0.56	0.043	ng/g	☼	05/03/18 12:25	05/15/18 01:26	5
PCB-109	52	C86 B	1.7	0.0033	ng/g	☼	05/03/18 12:25	05/15/18 01:26	5
PCB-110	92	C B	0.56	0.0028	ng/g	☼	05/03/18 12:25	05/15/18 01:26	5
PCB-111	ND		0.28	0.0027	ng/g	☼	05/03/18 12:25	05/15/18 01:26	5
PCB-112	ND		0.28	0.0029	ng/g	☼	05/03/18 12:25	05/15/18 01:26	5
PCB-113	87	C90 B	0.83	0.0034	ng/g	☼	05/03/18 12:25	05/15/18 01:26	5
PCB-114	1.2		0.28	0.041	ng/g	☼	05/03/18 12:25	05/15/18 01:26	5
PCB-115	92	C110 B	0.56	0.0028	ng/g	☼	05/03/18 12:25	05/15/18 01:26	5
PCB-116	10	C85	0.83	0.0033	ng/g	☼	05/03/18 12:25	05/15/18 01:26	5
PCB-117	10	C85	0.83	0.0033	ng/g	☼	05/03/18 12:25	05/15/18 01:26	5
PCB-118	61	B	0.28	0.040	ng/g	☼	05/03/18 12:25	05/15/18 01:26	5
PCB-119	52	C86 B	1.7	0.0033	ng/g	☼	05/03/18 12:25	05/15/18 01:26	5
PCB-120	0.53		0.28	0.0028	ng/g	☼	05/03/18 12:25	05/15/18 01:26	5
PCB-121	ND		0.28	0.0029	ng/g	☼	05/03/18 12:25	05/15/18 01:26	5
PCB-122	0.76		0.28	0.049	ng/g	☼	05/03/18 12:25	05/15/18 01:26	5
PCB-123	0.77	B	0.28	0.042	ng/g	☼	05/03/18 12:25	05/15/18 01:26	5
PCB-124	2.3	C108	0.56	0.043	ng/g	☼	05/03/18 12:25	05/15/18 01:26	5
PCB-125	52	C86 B	1.7	0.0033	ng/g	☼	05/03/18 12:25	05/15/18 01:26	5
PCB-126	0.20	J B	0.28	0.044	ng/g	☼	05/03/18 12:25	05/15/18 01:26	5
PCB-127	ND		0.28	0.042	ng/g	☼	05/03/18 12:25	05/15/18 01:26	5
PCB-128	13	C B	0.56	0.055	ng/g	☼	05/03/18 12:25	05/15/18 01:26	5
PCB-129	80	C B	1.1	0.057	ng/g	☼	05/03/18 12:25	05/15/18 01:26	5
PCB-130	5.8		0.28	0.075	ng/g	☼	05/03/18 12:25	05/15/18 01:26	5
PCB-131	1.3		0.28	0.078	ng/g	☼	05/03/18 12:25	05/15/18 01:26	5
PCB-132	31		0.28	0.073	ng/g	☼	05/03/18 12:25	05/15/18 01:26	5
PCB-133	1.5		0.28	0.071	ng/g	☼	05/03/18 12:25	05/15/18 01:26	5
PCB-134	5.1	C	0.56	0.074	ng/g	☼	05/03/18 12:25	05/15/18 01:26	5
PCB-135	22	C	0.56	0.0083	ng/g	☼	05/03/18 12:25	05/15/18 01:26	5
PCB-136	10		0.28	0.0060	ng/g	☼	05/03/18 12:25	05/15/18 01:26	5
PCB-137	4.2		0.28	0.064	ng/g	☼	05/03/18 12:25	05/15/18 01:26	5
PCB-138	80	C129 B	1.1	0.057	ng/g	☼	05/03/18 12:25	05/15/18 01:26	5
PCB-139	1.6	C	0.56	0.063	ng/g	☼	05/03/18 12:25	05/15/18 01:26	5
PCB-140	1.6	C139	0.56	0.063	ng/g	☼	05/03/18 12:25	05/15/18 01:26	5
PCB-141	13		0.28	0.066	ng/g	☼	05/03/18 12:25	05/15/18 01:26	5
PCB-142	ND		0.28	0.070	ng/g	☼	05/03/18 12:25	05/15/18 01:26	5
PCB-143	5.1	C134	0.56	0.074	ng/g	☼	05/03/18 12:25	05/15/18 01:26	5
PCB-144	2.7		0.28	0.0075	ng/g	☼	05/03/18 12:25	05/15/18 01:26	5
PCB-145	ND		0.28	0.0057	ng/g	☼	05/03/18 12:25	05/15/18 01:26	5
PCB-146	13		0.28	0.062	ng/g	☼	05/03/18 12:25	05/15/18 01:26	5
PCB-147	68	C	0.56	0.071	ng/g	☼	05/03/18 12:25	05/15/18 01:26	5

Client Sample ID: PDI-SG-B265-BL1
Date Collected: 04/23/18 10:07
Date Received: 04/25/18 13:55

Lab Sample ID: 580-76830-8
Matrix: Solid
Percent Solids: 43.1

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-148	0.19	J q	0.28	0.0080	ng/g	☼	05/03/18 12:25	05/15/18 01:26	5
PCB-149	68	C147	0.56	0.071	ng/g	☼	05/03/18 12:25	05/15/18 01:26	5
PCB-150	0.18	J q	0.28	0.0055	ng/g	☼	05/03/18 12:25	05/15/18 01:26	5
PCB-151	22	C135	0.56	0.0083	ng/g	☼	05/03/18 12:25	05/15/18 01:26	5
PCB-152	0.053	J q	0.28	0.0059	ng/g	☼	05/03/18 12:25	05/15/18 01:26	5
PCB-153	58	C	0.56	0.049	ng/g	☼	05/03/18 12:25	05/15/18 01:26	5
PCB-154	1.3	q	0.28	0.0065	ng/g	☼	05/03/18 12:25	05/15/18 01:26	5
PCB-155	ND		0.28	0.0055	ng/g	☼	05/03/18 12:25	05/15/18 01:26	5
PCB-156	11	C B	0.56	0.061	ng/g	☼	05/03/18 12:25	05/15/18 01:26	5
PCB-157	11	C156 B	0.56	0.061	ng/g	☼	05/03/18 12:25	05/15/18 01:26	5
PCB-158	7.9		0.28	0.044	ng/g	☼	05/03/18 12:25	05/15/18 01:26	5
PCB-159	ND		0.28	0.047	ng/g	☼	05/03/18 12:25	05/15/18 01:26	5
PCB-160	80	C129 B	1.1	0.057	ng/g	☼	05/03/18 12:25	05/15/18 01:26	5
PCB-161	ND		0.28	0.047	ng/g	☼	05/03/18 12:25	05/15/18 01:26	5
PCB-162	ND		0.28	0.046	ng/g	☼	05/03/18 12:25	05/15/18 01:26	5
PCB-163	80	C129 B	1.1	0.057	ng/g	☼	05/03/18 12:25	05/15/18 01:26	5
PCB-164	5.5		0.28	0.050	ng/g	☼	05/03/18 12:25	05/15/18 01:26	5
PCB-165	ND		0.28	0.053	ng/g	☼	05/03/18 12:25	05/15/18 01:26	5
PCB-166	13	C128 B	0.56	0.055	ng/g	☼	05/03/18 12:25	05/15/18 01:26	5
PCB-167	3.1		0.28	0.039	ng/g	☼	05/03/18 12:25	05/15/18 01:26	5
PCB-168	58	C153	0.56	0.049	ng/g	☼	05/03/18 12:25	05/15/18 01:26	5
PCB-169	ND		0.28	0.033	ng/g	☼	05/03/18 12:25	05/15/18 01:26	5
PCB-170	14		0.28	0.0099	ng/g	☼	05/03/18 12:25	05/15/18 01:26	5
PCB-171	4.4	C	0.56	0.010	ng/g	☼	05/03/18 12:25	05/15/18 01:26	5
PCB-172	1.8	q	0.28	0.010	ng/g	☼	05/03/18 12:25	05/15/18 01:26	5
PCB-173	4.4	C171	0.56	0.010	ng/g	☼	05/03/18 12:25	05/15/18 01:26	5
PCB-174	11		0.28	0.0094	ng/g	☼	05/03/18 12:25	05/15/18 01:26	5
PCB-175	0.46		0.28	0.0091	ng/g	☼	05/03/18 12:25	05/15/18 01:26	5
PCB-176	1.6		0.28	0.0069	ng/g	☼	05/03/18 12:25	05/15/18 01:26	5
PCB-177	6.9		0.28	0.0097	ng/g	☼	05/03/18 12:25	05/15/18 01:26	5
PCB-178	2.3		0.28	0.0099	ng/g	☼	05/03/18 12:25	05/15/18 01:26	5
PCB-179	4.7		0.28	0.0073	ng/g	☼	05/03/18 12:25	05/15/18 01:26	5
PCB-180	24	C	0.56	0.0076	ng/g	☼	05/03/18 12:25	05/15/18 01:26	5
PCB-181	ND		0.28	0.0091	ng/g	☼	05/03/18 12:25	05/15/18 01:26	5
PCB-182	0.16	J	0.28	0.0088	ng/g	☼	05/03/18 12:25	05/15/18 01:26	5
PCB-183	8.0	C	0.56	0.0089	ng/g	☼	05/03/18 12:25	05/15/18 01:26	5
PCB-184	ND		0.28	0.0075	ng/g	☼	05/03/18 12:25	05/15/18 01:26	5
PCB-185	8.0	C183	0.56	0.0089	ng/g	☼	05/03/18 12:25	05/15/18 01:26	5
PCB-186	ND		0.28	0.0073	ng/g	☼	05/03/18 12:25	05/15/18 01:26	5
PCB-187	13		0.28	0.0085	ng/g	☼	05/03/18 12:25	05/15/18 01:26	5
PCB-188	ND		0.28	0.0067	ng/g	☼	05/03/18 12:25	05/15/18 01:26	5
PCB-189	0.52		0.28	0.021	ng/g	☼	05/03/18 12:25	05/15/18 01:26	5
PCB-190	2.2		0.28	0.0066	ng/g	☼	05/03/18 12:25	05/15/18 01:26	5
PCB-191	0.53		0.28	0.0069	ng/g	☼	05/03/18 12:25	05/15/18 01:26	5
PCB-192	ND		0.28	0.0077	ng/g	☼	05/03/18 12:25	05/15/18 01:26	5
PCB-193	24	C180	0.56	0.0076	ng/g	☼	05/03/18 12:25	05/15/18 01:26	5
PCB-194	4.4		0.28	0.027	ng/g	☼	05/03/18 12:25	05/15/18 01:26	5
PCB-195	1.8		0.28	0.030	ng/g	☼	05/03/18 12:25	05/15/18 01:26	5
PCB-196	2.3		0.28	0.0068	ng/g	☼	05/03/18 12:25	05/15/18 01:26	5

Client Sample ID: PDI-SG-B265-BL1
Date Collected: 04/23/18 10:07
Date Received: 04/25/18 13:55

Lab Sample ID: 580-76830-8
Matrix: Solid
Percent Solids: 43.1

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-197	0.17	J q	0.28	0.0052	ng/g	☼	05/03/18 12:25	05/15/18 01:26	5
PCB-198	4.7	C B	0.56	0.0068	ng/g	☼	05/03/18 12:25	05/15/18 01:26	5
PCB-199	4.7	C198 B	0.56	0.0068	ng/g	☼	05/03/18 12:25	05/15/18 01:26	5
PCB-200	0.49		0.28	0.0046	ng/g	☼	05/03/18 12:25	05/15/18 01:26	5
PCB-201	0.52		0.28	0.0047	ng/g	☼	05/03/18 12:25	05/15/18 01:26	5
PCB-202	0.87		0.28	0.0053	ng/g	☼	05/03/18 12:25	05/15/18 01:26	5
PCB-203	2.8		0.28	0.0061	ng/g	☼	05/03/18 12:25	05/15/18 01:26	5
PCB-204	ND		0.28	0.0052	ng/g	☼	05/03/18 12:25	05/15/18 01:26	5
PCB-205	0.22	J q B	0.28	0.023	ng/g	☼	05/03/18 12:25	05/15/18 01:26	5
PCB-206	1.8		0.28	0.038	ng/g	☼	05/03/18 12:25	05/15/18 01:26	5
PCB-207	0.24	J	0.28	0.027	ng/g	☼	05/03/18 12:25	05/15/18 01:26	5
PCB-208	0.47	q	0.28	0.028	ng/g	☼	05/03/18 12:25	05/15/18 01:26	5
PCB-209	0.86		0.28	0.024	ng/g	☼	05/03/18 12:25	05/15/18 01:26	5

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
PCB-1L	*85*		*30 - 140*	*05/03/18 12:25*	*05/15/18 01:26*	*5*
PCB-3L	*89*		*30 - 140*	*05/03/18 12:25*	*05/15/18 01:26*	*5*
PCB-4L	*77*		*30 - 140*	*05/03/18 12:25*	*05/15/18 01:26*	*5*
PCB-15L	*80*		*30 - 140*	*05/03/18 12:25*	*05/15/18 01:26*	*5*
PCB-19L	*98*		*30 - 140*	*05/03/18 12:25*	*05/15/18 01:26*	*5*
PCB-37L	*87*		*30 - 140*	*05/03/18 12:25*	*05/15/18 01:26*	*5*
PCB-54L	*97*		*30 - 140*	*05/03/18 12:25*	*05/15/18 01:26*	*5*
PCB-77L	*88*		*30 - 140*	*05/03/18 12:25*	*05/15/18 01:26*	*5*
PCB-81L	*86*		*30 - 140*	*05/03/18 12:25*	*05/15/18 01:26*	*5*
PCB-104L	*83*		*30 - 140*	*05/03/18 12:25*	*05/15/18 01:26*	*5*
PCB-105L	*91*		*30 - 140*	*05/03/18 12:25*	*05/15/18 01:26*	*5*
PCB-114L	*89*		*30 - 140*	*05/03/18 12:25*	*05/15/18 01:26*	*5*
PCB-118L	*88*		*30 - 140*	*05/03/18 12:25*	*05/15/18 01:26*	*5*
PCB-123L	*89*		*30 - 140*	*05/03/18 12:25*	*05/15/18 01:26*	*5*
PCB-126L	*86*		*30 - 140*	*05/03/18 12:25*	*05/15/18 01:26*	*5*
PCB-155L	*89*		*30 - 140*	*05/03/18 12:25*	*05/15/18 01:26*	*5*
PCB-156L	*92*	*C*	*30 - 140*	*05/03/18 12:25*	*05/15/18 01:26*	*5*
PCB-157L	*92*	*C156*	*30 - 140*	*05/03/18 12:25*	*05/15/18 01:26*	*5*
PCB-167L	*95*		*30 - 140*	*05/03/18 12:25*	*05/15/18 01:26*	*5*
PCB-169L	*101*		*30 - 140*	*05/03/18 12:25*	*05/15/18 01:26*	*5*
PCB-170L	*87*		*30 - 140*	*05/03/18 12:25*	*05/15/18 01:26*	*5*
PCB-188L	*90*		*30 - 140*	*05/03/18 12:25*	*05/15/18 01:26*	*5*
PCB-189L	*91*		*30 - 140*	*05/03/18 12:25*	*05/15/18 01:26*	*5*
PCB-202L	*93*		*30 - 140*	*05/03/18 12:25*	*05/15/18 01:26*	*5*
PCB-205L	*73*		*30 - 140*	*05/03/18 12:25*	*05/15/18 01:26*	*5*
PCB-206L	*77*		*30 - 140*	*05/03/18 12:25*	*05/15/18 01:26*	*5*
PCB-208L	*76*		*30 - 140*	*05/03/18 12:25*	*05/15/18 01:26*	*5*
PCB-209L	*68*		*30 - 140*	*05/03/18 12:25*	*05/15/18 01:26*	*5*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
PCB-28L	*90*		*40 - 125*	*05/03/18 12:25*	*05/15/18 01:26*	*5*
PCB-111L	*97*		*40 - 125*	*05/03/18 12:25*	*05/15/18 01:26*	*5*
PCB-178L	*91*		*40 - 125*	*05/03/18 12:25*	*05/15/18 01:26*	*5*

Client Sample ID: PDI-SG-B271-BL1
Date Collected: 04/23/18 11:27
Date Received: 04/25/18 13:55

Lab Sample ID: 580-76830-9
Matrix: Solid
Percent Solids: 33.9

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1	0.11		0.074	0.0015	ng/g	☼	05/03/18 12:25	05/15/18 02:28	5
PCB-2	0.031	J q B	0.074	0.0018	ng/g	☼	05/03/18 12:25	05/15/18 02:28	5
PCB-3	0.060	J	0.074	0.0020	ng/g	☼	05/03/18 12:25	05/15/18 02:28	5
PCB-4	0.14	J	0.15	0.025	ng/g	☼	05/03/18 12:25	05/15/18 02:28	5
PCB-5	ND		0.074	0.021	ng/g	☼	05/03/18 12:25	05/15/18 02:28	5
PCB-6	0.069	J q	0.074	0.018	ng/g	☼	05/03/18 12:25	05/15/18 02:28	5
PCB-7	ND		0.074	0.019	ng/g	☼	05/03/18 12:25	05/15/18 02:28	5
PCB-8	0.19	q	0.15	0.017	ng/g	☼	05/03/18 12:25	05/15/18 02:28	5
PCB-9	ND		0.074	0.019	ng/g	☼	05/03/18 12:25	05/15/18 02:28	5
PCB-10	ND		0.074	0.020	ng/g	☼	05/03/18 12:25	05/15/18 02:28	5
PCB-11	0.12	J q B	0.15	0.018	ng/g	☼	05/03/18 12:25	05/15/18 02:28	5
PCB-12	0.042	J q C	0.15	0.018	ng/g	☼	05/03/18 12:25	05/15/18 02:28	5
PCB-13	0.042	J q C12	0.15	0.018	ng/g	☼	05/03/18 12:25	05/15/18 02:28	5
PCB-14	ND		0.074	0.016	ng/g	☼	05/03/18 12:25	05/15/18 02:28	5
PCB-15	0.11	q	0.074	0.020	ng/g	☼	05/03/18 12:25	05/15/18 02:28	5
PCB-16	0.052	J q	0.074	0.0033	ng/g	☼	05/03/18 12:25	05/15/18 02:28	5
PCB-17	0.16		0.074	0.0030	ng/g	☼	05/03/18 12:25	05/15/18 02:28	5
PCB-18	0.22	C	0.15	0.0026	ng/g	☼	05/03/18 12:25	05/15/18 02:28	5
PCB-19	0.11		0.074	0.0037	ng/g	☼	05/03/18 12:25	05/15/18 02:28	5
PCB-20	0.47	C	0.15	0.0043	ng/g	☼	05/03/18 12:25	05/15/18 02:28	5
PCB-21	0.21	q C	0.15	0.0042	ng/g	☼	05/03/18 12:25	05/15/18 02:28	5
PCB-22	0.091		0.074	0.0044	ng/g	☼	05/03/18 12:25	05/15/18 02:28	5
PCB-23	ND		0.074	0.0043	ng/g	☼	05/03/18 12:25	05/15/18 02:28	5
PCB-24	ND		0.074	0.0025	ng/g	☼	05/03/18 12:25	05/15/18 02:28	5
PCB-25	0.048	J	0.074	0.0039	ng/g	☼	05/03/18 12:25	05/15/18 02:28	5
PCB-26	0.079	J C	0.15	0.0042	ng/g	☼	05/03/18 12:25	05/15/18 02:28	5
PCB-27	0.026	J q	0.074	0.0022	ng/g	☼	05/03/18 12:25	05/15/18 02:28	5
PCB-28	0.47	C20	0.15	0.0043	ng/g	☼	05/03/18 12:25	05/15/18 02:28	5
PCB-29	0.079	J C26	0.15	0.0042	ng/g	☼	05/03/18 12:25	05/15/18 02:28	5
PCB-30	0.22	C18	0.15	0.0026	ng/g	☼	05/03/18 12:25	05/15/18 02:28	5
PCB-31	0.31		0.15	0.0042	ng/g	☼	05/03/18 12:25	05/15/18 02:28	5
PCB-32	0.14		0.074	0.0021	ng/g	☼	05/03/18 12:25	05/15/18 02:28	5
PCB-33	0.21	q C21	0.15	0.0042	ng/g	☼	05/03/18 12:25	05/15/18 02:28	5
PCB-34	ND		0.074	0.0045	ng/g	☼	05/03/18 12:25	05/15/18 02:28	5
PCB-35	0.012	J	0.074	0.0044	ng/g	☼	05/03/18 12:25	05/15/18 02:28	5
PCB-36	ND		0.074	0.0042	ng/g	☼	05/03/18 12:25	05/15/18 02:28	5
PCB-37	0.14		0.074	0.0044	ng/g	☼	05/03/18 12:25	05/15/18 02:28	5
PCB-38	ND		0.074	0.0045	ng/g	☼	05/03/18 12:25	05/15/18 02:28	5
PCB-39	ND		0.074	0.0041	ng/g	☼	05/03/18 12:25	05/15/18 02:28	5
PCB-40	0.54	C	0.22	0.021	ng/g	☼	05/03/18 12:25	05/15/18 02:28	5
PCB-41	0.54	C40	0.22	0.021	ng/g	☼	05/03/18 12:25	05/15/18 02:28	5
PCB-42	0.31		0.074	0.021	ng/g	☼	05/03/18 12:25	05/15/18 02:28	5
PCB-43	0.039	J q C	0.15	0.020	ng/g	☼	05/03/18 12:25	05/15/18 02:28	5
PCB-44	2.7	C B	0.22	0.018	ng/g	☼	05/03/18 12:25	05/15/18 02:28	5
PCB-45	0.46	C	0.15	0.022	ng/g	☼	05/03/18 12:25	05/15/18 02:28	5
PCB-46	0.068	J	0.074	0.026	ng/g	☼	05/03/18 12:25	05/15/18 02:28	5
PCB-47	2.7	C44 B	0.22	0.018	ng/g	☼	05/03/18 12:25	05/15/18 02:28	5
PCB-48	0.11		0.074	0.021	ng/g	☼	05/03/18 12:25	05/15/18 02:28	5
PCB-49	1.7	C	0.15	0.017	ng/g	☼	05/03/18 12:25	05/15/18 02:28	5

Client Sample ID: PDI-SG-B271-BL1
Date Collected: 04/23/18 11:27
Date Received: 04/25/18 13:55

Lab Sample ID: 580-76830-9
Matrix: Solid
Percent Solids: 33.9

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-50	0.35	C	0.15	0.020	ng/g	☼	05/03/18 12:25	05/15/18 02:28	5
PCB-51	0.46	C45	0.15	0.022	ng/g	☼	05/03/18 12:25	05/15/18 02:28	5
PCB-52	4.4		0.074	0.021	ng/g	☼	05/03/18 12:25	05/15/18 02:28	5
PCB-53	0.35	C50	0.15	0.020	ng/g	☼	05/03/18 12:25	05/15/18 02:28	5
PCB-54	0.044	J	0.074	0.00027	ng/g	☼	05/03/18 12:25	05/15/18 02:28	5
PCB-55	ND		0.074	0.015	ng/g	☼	05/03/18 12:25	05/15/18 02:28	5
PCB-56	0.39		0.074	0.015	ng/g	☼	05/03/18 12:25	05/15/18 02:28	5
PCB-57	ND		0.074	0.015	ng/g	☼	05/03/18 12:25	05/15/18 02:28	5
PCB-58	ND		0.074	0.016	ng/g	☼	05/03/18 12:25	05/15/18 02:28	5
PCB-59	0.11	J C	0.22	0.015	ng/g	☼	05/03/18 12:25	05/15/18 02:28	5
PCB-60	0.12		0.074	0.015	ng/g	☼	05/03/18 12:25	05/15/18 02:28	5
PCB-61	3.4	C B	0.30	0.014	ng/g	☼	05/03/18 12:25	05/15/18 02:28	5
PCB-62	0.11	J C59	0.22	0.015	ng/g	☼	05/03/18 12:25	05/15/18 02:28	5
PCB-63	0.030	J q	0.074	0.014	ng/g	☼	05/03/18 12:25	05/15/18 02:28	5
PCB-64	0.52		0.074	0.014	ng/g	☼	05/03/18 12:25	05/15/18 02:28	5
PCB-65	2.7	C44 B	0.22	0.018	ng/g	☼	05/03/18 12:25	05/15/18 02:28	5
PCB-66	1.5		0.074	0.014	ng/g	☼	05/03/18 12:25	05/15/18 02:28	5
PCB-67	ND		0.074	0.013	ng/g	☼	05/03/18 12:25	05/15/18 02:28	5
PCB-68	0.052	J	0.074	0.014	ng/g	☼	05/03/18 12:25	05/15/18 02:28	5
PCB-69	1.7	C49	0.15	0.017	ng/g	☼	05/03/18 12:25	05/15/18 02:28	5
PCB-70	3.4	C61 B	0.30	0.014	ng/g	☼	05/03/18 12:25	05/15/18 02:28	5
PCB-71	0.54	C40	0.22	0.021	ng/g	☼	05/03/18 12:25	05/15/18 02:28	5
PCB-72	0.071	J	0.074	0.015	ng/g	☼	05/03/18 12:25	05/15/18 02:28	5
PCB-73	0.039	J q C43	0.15	0.020	ng/g	☼	05/03/18 12:25	05/15/18 02:28	5
PCB-74	3.4	C61 B	0.30	0.014	ng/g	☼	05/03/18 12:25	05/15/18 02:28	5
PCB-75	0.11	J C59	0.22	0.015	ng/g	☼	05/03/18 12:25	05/15/18 02:28	5
PCB-76	3.4	C61 B	0.30	0.014	ng/g	☼	05/03/18 12:25	05/15/18 02:28	5
PCB-77	0.11	B	0.074	0.014	ng/g	☼	05/03/18 12:25	05/15/18 02:28	5
PCB-78	ND		0.074	0.016	ng/g	☼	05/03/18 12:25	05/15/18 02:28	5
PCB-79	ND		0.074	0.013	ng/g	☼	05/03/18 12:25	05/15/18 02:28	5
PCB-80	ND		0.074	0.013	ng/g	☼	05/03/18 12:25	05/15/18 02:28	5
PCB-81	ND		0.074	0.014	ng/g	☼	05/03/18 12:25	05/15/18 02:28	5
PCB-82	0.72		0.074	0.0038	ng/g	☼	05/03/18 12:25	05/15/18 02:28	5
PCB-83	5.3	C	0.15	0.0035	ng/g	☼	05/03/18 12:25	05/15/18 02:28	5
PCB-84	2.2	B	0.074	0.0039	ng/g	☼	05/03/18 12:25	05/15/18 02:28	5
PCB-85	1.2	C	0.22	0.0028	ng/g	☼	05/03/18 12:25	05/15/18 02:28	5
PCB-86	5.0	C B	0.44	0.0029	ng/g	☼	05/03/18 12:25	05/15/18 02:28	5
PCB-87	5.0	C86 B	0.44	0.0029	ng/g	☼	05/03/18 12:25	05/15/18 02:28	5
PCB-88	1.5	C	0.15	0.0035	ng/g	☼	05/03/18 12:25	05/15/18 02:28	5
PCB-89	ND		0.074	0.0037	ng/g	☼	05/03/18 12:25	05/15/18 02:28	5
PCB-90	9.4	C B	0.22	0.0029	ng/g	☼	05/03/18 12:25	05/15/18 02:28	5
PCB-91	1.5	C88	0.15	0.0035	ng/g	☼	05/03/18 12:25	05/15/18 02:28	5
PCB-92	1.8		0.074	0.0033	ng/g	☼	05/03/18 12:25	05/15/18 02:28	5
PCB-93	0.36	C	0.15	0.0033	ng/g	☼	05/03/18 12:25	05/15/18 02:28	5
PCB-94	0.093		0.074	0.0037	ng/g	☼	05/03/18 12:25	05/15/18 02:28	5
PCB-95	7.4	B	0.074	0.0036	ng/g	☼	05/03/18 12:25	05/15/18 02:28	5
PCB-96	0.068	J	0.074	0.0028	ng/g	☼	05/03/18 12:25	05/15/18 02:28	5
PCB-97	5.0	C86 B	0.44	0.0029	ng/g	☼	05/03/18 12:25	05/15/18 02:28	5
PCB-98	0.29	C	0.15	0.0032	ng/g	☼	05/03/18 12:25	05/15/18 02:28	5

Client Sample ID: PDI-SG-B271-BL1
Date Collected: 04/23/18 11:27
Date Received: 04/25/18 13:55

Lab Sample ID: 580-76830-9
Matrix: Solid
Percent Solids: 33.9

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-99	5.3	C83	0.15	0.0035	ng/g	☼	05/03/18 12:25	05/15/18 02:28	5
PCB-100	0.36	C93	0.15	0.0033	ng/g	☼	05/03/18 12:25	05/15/18 02:28	5
PCB-101	9.4	C90 B	0.22	0.0029	ng/g	☼	05/03/18 12:25	05/15/18 02:28	5
PCB-102	0.29	C98	0.15	0.0032	ng/g	☼	05/03/18 12:25	05/15/18 02:28	5
PCB-103	0.23		0.074	0.0033	ng/g	☼	05/03/18 12:25	05/15/18 02:28	5
PCB-104	ND		0.074	0.0025	ng/g	☼	05/03/18 12:25	05/15/18 02:28	5
PCB-105	2.1	B	0.074	0.013	ng/g	☼	05/03/18 12:25	05/15/18 02:28	5
PCB-106	ND		0.074	0.013	ng/g	☼	05/03/18 12:25	05/15/18 02:28	5
PCB-107	0.72		0.074	0.014	ng/g	☼	05/03/18 12:25	05/15/18 02:28	5
PCB-108	0.25	C	0.15	0.013	ng/g	☼	05/03/18 12:25	05/15/18 02:28	5
PCB-109	5.0	C86 B	0.44	0.0029	ng/g	☼	05/03/18 12:25	05/15/18 02:28	5
PCB-110	9.5	C B	0.15	0.0024	ng/g	☼	05/03/18 12:25	05/15/18 02:28	5
PCB-111	ND		0.074	0.0023	ng/g	☼	05/03/18 12:25	05/15/18 02:28	5
PCB-112	ND		0.074	0.0025	ng/g	☼	05/03/18 12:25	05/15/18 02:28	5
PCB-113	9.4	C90 B	0.22	0.0029	ng/g	☼	05/03/18 12:25	05/15/18 02:28	5
PCB-114	0.11		0.074	0.012	ng/g	☼	05/03/18 12:25	05/15/18 02:28	5
PCB-115	9.5	C110 B	0.15	0.0024	ng/g	☼	05/03/18 12:25	05/15/18 02:28	5
PCB-116	1.2	C85	0.22	0.0028	ng/g	☼	05/03/18 12:25	05/15/18 02:28	5
PCB-117	1.2	C85	0.22	0.0028	ng/g	☼	05/03/18 12:25	05/15/18 02:28	5
PCB-118	6.4	B	0.074	0.012	ng/g	☼	05/03/18 12:25	05/15/18 02:28	5
PCB-119	5.0	C86 B	0.44	0.0029	ng/g	☼	05/03/18 12:25	05/15/18 02:28	5
PCB-120	0.070	J	0.074	0.0024	ng/g	☼	05/03/18 12:25	05/15/18 02:28	5
PCB-121	ND		0.074	0.0024	ng/g	☼	05/03/18 12:25	05/15/18 02:28	5
PCB-122	0.080		0.074	0.015	ng/g	☼	05/03/18 12:25	05/15/18 02:28	5
PCB-123	0.069	J q B	0.074	0.012	ng/g	☼	05/03/18 12:25	05/15/18 02:28	5
PCB-124	0.25	C108	0.15	0.013	ng/g	☼	05/03/18 12:25	05/15/18 02:28	5
PCB-125	5.0	C86 B	0.44	0.0029	ng/g	☼	05/03/18 12:25	05/15/18 02:28	5
PCB-126	ND		0.074	0.014	ng/g	☼	05/03/18 12:25	05/15/18 02:28	5
PCB-127	ND		0.074	0.013	ng/g	☼	05/03/18 12:25	05/15/18 02:28	5
PCB-128	1.5	C B	0.15	0.016	ng/g	☼	05/03/18 12:25	05/15/18 02:28	5
PCB-129	11	C B	0.30	0.016	ng/g	☼	05/03/18 12:25	05/15/18 02:28	5
PCB-130	0.74		0.074	0.021	ng/g	☼	05/03/18 12:25	05/15/18 02:28	5
PCB-131	0.14	q	0.074	0.022	ng/g	☼	05/03/18 12:25	05/15/18 02:28	5
PCB-132	3.9		0.074	0.021	ng/g	☼	05/03/18 12:25	05/15/18 02:28	5
PCB-133	0.23		0.074	0.020	ng/g	☼	05/03/18 12:25	05/15/18 02:28	5
PCB-134	0.63	C	0.15	0.021	ng/g	☼	05/03/18 12:25	05/15/18 02:28	5
PCB-135	3.8	C	0.15	0.0047	ng/g	☼	05/03/18 12:25	05/15/18 02:28	5
PCB-136	1.4		0.074	0.0034	ng/g	☼	05/03/18 12:25	05/15/18 02:28	5
PCB-137	0.45		0.074	0.018	ng/g	☼	05/03/18 12:25	05/15/18 02:28	5
PCB-138	11	C129 B	0.30	0.016	ng/g	☼	05/03/18 12:25	05/15/18 02:28	5
PCB-139	0.21	C	0.15	0.018	ng/g	☼	05/03/18 12:25	05/15/18 02:28	5
PCB-140	0.21	C139	0.15	0.018	ng/g	☼	05/03/18 12:25	05/15/18 02:28	5
PCB-141	1.9		0.074	0.019	ng/g	☼	05/03/18 12:25	05/15/18 02:28	5
PCB-142	ND		0.074	0.020	ng/g	☼	05/03/18 12:25	05/15/18 02:28	5
PCB-143	0.63	C134	0.15	0.021	ng/g	☼	05/03/18 12:25	05/15/18 02:28	5
PCB-144	0.41		0.074	0.0042	ng/g	☼	05/03/18 12:25	05/15/18 02:28	5
PCB-145	ND		0.074	0.0032	ng/g	☼	05/03/18 12:25	05/15/18 02:28	5
PCB-146	2.1		0.074	0.018	ng/g	☼	05/03/18 12:25	05/15/18 02:28	5
PCB-147	11	C	0.15	0.020	ng/g	☼	05/03/18 12:25	05/15/18 02:28	5

Client Sample ID: PDI-SG-B271-BL1
Date Collected: 04/23/18 11:27
Date Received: 04/25/18 13:55

Lab Sample ID: 580-76830-9
Matrix: Solid
Percent Solids: 33.9

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-148	0.050	J	0.074	0.0045	ng/g	☼	05/03/18 12:25	05/15/18 02:28	5
PCB-149	11	C147	0.15	0.020	ng/g	☼	05/03/18 12:25	05/15/18 02:28	5
PCB-150	0.062	J	0.074	0.0031	ng/g	☼	05/03/18 12:25	05/15/18 02:28	5
PCB-151	3.8	C135	0.15	0.0047	ng/g	☼	05/03/18 12:25	05/15/18 02:28	5
PCB-152	0.018	J q	0.074	0.0033	ng/g	☼	05/03/18 12:25	05/15/18 02:28	5
PCB-153	9.7	C	0.15	0.014	ng/g	☼	05/03/18 12:25	05/15/18 02:28	5
PCB-154	0.31		0.074	0.0036	ng/g	☼	05/03/18 12:25	05/15/18 02:28	5
PCB-155	ND		0.074	0.0031	ng/g	☼	05/03/18 12:25	05/15/18 02:28	5
PCB-156	1.2	C B	0.15	0.017	ng/g	☼	05/03/18 12:25	05/15/18 02:28	5
PCB-157	1.2	C156 B	0.15	0.017	ng/g	☼	05/03/18 12:25	05/15/18 02:28	5
PCB-158	1.1		0.074	0.013	ng/g	☼	05/03/18 12:25	05/15/18 02:28	5
PCB-159	0.067	J	0.074	0.014	ng/g	☼	05/03/18 12:25	05/15/18 02:28	5
PCB-160	11	C129 B	0.30	0.016	ng/g	☼	05/03/18 12:25	05/15/18 02:28	5
PCB-161	ND		0.074	0.013	ng/g	☼	05/03/18 12:25	05/15/18 02:28	5
PCB-162	ND		0.074	0.013	ng/g	☼	05/03/18 12:25	05/15/18 02:28	5
PCB-163	11	C129 B	0.30	0.016	ng/g	☼	05/03/18 12:25	05/15/18 02:28	5
PCB-164	0.83		0.074	0.014	ng/g	☼	05/03/18 12:25	05/15/18 02:28	5
PCB-165	ND		0.074	0.015	ng/g	☼	05/03/18 12:25	05/15/18 02:28	5
PCB-166	1.5	C128 B	0.15	0.016	ng/g	☼	05/03/18 12:25	05/15/18 02:28	5
PCB-167	0.36	q	0.074	0.010	ng/g	☼	05/03/18 12:25	05/15/18 02:28	5
PCB-168	9.7	C153	0.15	0.014	ng/g	☼	05/03/18 12:25	05/15/18 02:28	5
PCB-169	ND		0.074	0.011	ng/g	☼	05/03/18 12:25	05/15/18 02:28	5
PCB-170	3.0		0.074	0.0067	ng/g	☼	05/03/18 12:25	05/15/18 02:28	5
PCB-171	0.98	C	0.15	0.0065	ng/g	☼	05/03/18 12:25	05/15/18 02:28	5
PCB-172	0.44	q	0.074	0.0064	ng/g	☼	05/03/18 12:25	05/15/18 02:28	5
PCB-173	0.98	C171	0.15	0.0065	ng/g	☼	05/03/18 12:25	05/15/18 02:28	5
PCB-174	2.6		0.074	0.0060	ng/g	☼	05/03/18 12:25	05/15/18 02:28	5
PCB-175	0.12		0.074	0.0058	ng/g	☼	05/03/18 12:25	05/15/18 02:28	5
PCB-176	0.39		0.074	0.0044	ng/g	☼	05/03/18 12:25	05/15/18 02:28	5
PCB-177	1.7		0.074	0.0062	ng/g	☼	05/03/18 12:25	05/15/18 02:28	5
PCB-178	0.59		0.074	0.0063	ng/g	☼	05/03/18 12:25	05/15/18 02:28	5
PCB-179	1.2		0.074	0.0047	ng/g	☼	05/03/18 12:25	05/15/18 02:28	5
PCB-180	5.8	C	0.15	0.0049	ng/g	☼	05/03/18 12:25	05/15/18 02:28	5
PCB-181	ND		0.074	0.0058	ng/g	☼	05/03/18 12:25	05/15/18 02:28	5
PCB-182	0.045	J	0.074	0.0056	ng/g	☼	05/03/18 12:25	05/15/18 02:28	5
PCB-183	1.9	C	0.15	0.0057	ng/g	☼	05/03/18 12:25	05/15/18 02:28	5
PCB-184	ND		0.074	0.0048	ng/g	☼	05/03/18 12:25	05/15/18 02:28	5
PCB-185	1.9	C183	0.15	0.0057	ng/g	☼	05/03/18 12:25	05/15/18 02:28	5
PCB-186	ND		0.074	0.0046	ng/g	☼	05/03/18 12:25	05/15/18 02:28	5
PCB-187	3.4		0.074	0.0054	ng/g	☼	05/03/18 12:25	05/15/18 02:28	5
PCB-188	ND		0.074	0.0041	ng/g	☼	05/03/18 12:25	05/15/18 02:28	5
PCB-189	0.11		0.074	0.0097	ng/g	☼	05/03/18 12:25	05/15/18 02:28	5
PCB-190	0.59		0.074	0.0042	ng/g	☼	05/03/18 12:25	05/15/18 02:28	5
PCB-191	0.13		0.074	0.0044	ng/g	☼	05/03/18 12:25	05/15/18 02:28	5
PCB-192	ND		0.074	0.0049	ng/g	☼	05/03/18 12:25	05/15/18 02:28	5
PCB-193	5.8	C180	0.15	0.0049	ng/g	☼	05/03/18 12:25	05/15/18 02:28	5
PCB-194	1.2		0.074	0.014	ng/g	☼	05/03/18 12:25	05/15/18 02:28	5
PCB-195	0.49		0.074	0.015	ng/g	☼	05/03/18 12:25	05/15/18 02:28	5
PCB-196	0.68		0.074	0.0042	ng/g	☼	05/03/18 12:25	05/15/18 02:28	5

Client Sample ID: PDI-SG-B271-BL1
Date Collected: 04/23/18 11:27
Date Received: 04/25/18 13:55

Lab Sample ID: 580-76830-9
Matrix: Solid
Percent Solids: 33.9

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-197	0.042	J q	0.074	0.0032	ng/g	☼	05/03/18 12:25	05/15/18 02:28	5
PCB-198	1.3	C B	0.15	0.0042	ng/g	☼	05/03/18 12:25	05/15/18 02:28	5
PCB-199	1.3	C198 B	0.15	0.0042	ng/g	☼	05/03/18 12:25	05/15/18 02:28	5
PCB-200	0.12		0.074	0.0028	ng/g	☼	05/03/18 12:25	05/15/18 02:28	5
PCB-201	0.15		0.074	0.0029	ng/g	☼	05/03/18 12:25	05/15/18 02:28	5
PCB-202	0.22		0.074	0.0032	ng/g	☼	05/03/18 12:25	05/15/18 02:28	5
PCB-203	0.82		0.074	0.0038	ng/g	☼	05/03/18 12:25	05/15/18 02:28	5
PCB-204	ND		0.074	0.0032	ng/g	☼	05/03/18 12:25	05/15/18 02:28	5
PCB-205	0.067	J B	0.074	0.011	ng/g	☼	05/03/18 12:25	05/15/18 02:28	5
PCB-206	0.49		0.074	0.017	ng/g	☼	05/03/18 12:25	05/15/18 02:28	5
PCB-207	0.050	J q	0.074	0.012	ng/g	☼	05/03/18 12:25	05/15/18 02:28	5
PCB-208	0.13		0.074	0.013	ng/g	☼	05/03/18 12:25	05/15/18 02:28	5
PCB-209	0.24		0.074	0.0059	ng/g	☼	05/03/18 12:25	05/15/18 02:28	5

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
PCB-1L	*78*		*30 - 140*	*05/03/18 12:25*	*05/15/18 02:28*	*5*
PCB-3L	*67*	*q*	*30 - 140*	*05/03/18 12:25*	*05/15/18 02:28*	*5*
PCB-4L	*71*		*30 - 140*	*05/03/18 12:25*	*05/15/18 02:28*	*5*
PCB-15L	*73*		*30 - 140*	*05/03/18 12:25*	*05/15/18 02:28*	*5*
PCB-19L	*83*		*30 - 140*	*05/03/18 12:25*	*05/15/18 02:28*	*5*
PCB-37L	*87*		*30 - 140*	*05/03/18 12:25*	*05/15/18 02:28*	*5*
PCB-54L	*86*		*30 - 140*	*05/03/18 12:25*	*05/15/18 02:28*	*5*
PCB-77L	*82*		*30 - 140*	*05/03/18 12:25*	*05/15/18 02:28*	*5*
PCB-81L	*80*		*30 - 140*	*05/03/18 12:25*	*05/15/18 02:28*	*5*
PCB-104L	*76*		*30 - 140*	*05/03/18 12:25*	*05/15/18 02:28*	*5*
PCB-105L	*84*		*30 - 140*	*05/03/18 12:25*	*05/15/18 02:28*	*5*
PCB-114L	*85*		*30 - 140*	*05/03/18 12:25*	*05/15/18 02:28*	*5*
PCB-118L	*84*		*30 - 140*	*05/03/18 12:25*	*05/15/18 02:28*	*5*
PCB-123L	*84*		*30 - 140*	*05/03/18 12:25*	*05/15/18 02:28*	*5*
PCB-126L	*84*		*30 - 140*	*05/03/18 12:25*	*05/15/18 02:28*	*5*
PCB-155L	*81*		*30 - 140*	*05/03/18 12:25*	*05/15/18 02:28*	*5*
PCB-156L	*84*	*C*	*30 - 140*	*05/03/18 12:25*	*05/15/18 02:28*	*5*
PCB-157L	*84*	*C156*	*30 - 140*	*05/03/18 12:25*	*05/15/18 02:28*	*5*
PCB-167L	*86*		*30 - 140*	*05/03/18 12:25*	*05/15/18 02:28*	*5*
PCB-169L	*89*		*30 - 140*	*05/03/18 12:25*	*05/15/18 02:28*	*5*
PCB-170L	*82*		*30 - 140*	*05/03/18 12:25*	*05/15/18 02:28*	*5*
PCB-188L	*88*		*30 - 140*	*05/03/18 12:25*	*05/15/18 02:28*	*5*
PCB-189L	*85*		*30 - 140*	*05/03/18 12:25*	*05/15/18 02:28*	*5*
PCB-202L	*87*		*30 - 140*	*05/03/18 12:25*	*05/15/18 02:28*	*5*
PCB-205L	*73*		*30 - 140*	*05/03/18 12:25*	*05/15/18 02:28*	*5*
PCB-206L	*71*		*30 - 140*	*05/03/18 12:25*	*05/15/18 02:28*	*5*
PCB-208L	*70*		*30 - 140*	*05/03/18 12:25*	*05/15/18 02:28*	*5*
PCB-209L	*68*		*30 - 140*	*05/03/18 12:25*	*05/15/18 02:28*	*5*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
PCB-28L	*93*		*40 - 125*	*05/03/18 12:25*	*05/15/18 02:28*	*5*
PCB-111L	*87*		*40 - 125*	*05/03/18 12:25*	*05/15/18 02:28*	*5*
PCB-178L	*90*		*40 - 125*	*05/03/18 12:25*	*05/15/18 02:28*	*5*

Client Sample ID: PDI-SG-B273-BL1
Date Collected: 04/23/18 12:29
Date Received: 04/25/18 13:55

Lab Sample ID: 580-76830-10
Matrix: Solid
Percent Solids: 36.5

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1	0.12	J	0.14	0.0014	ng/g	☼	05/03/18 12:25	05/15/18 03:29	10
PCB-2	0.054	J B	0.14	0.0017	ng/g	☼	05/03/18 12:25	05/15/18 03:29	10
PCB-3	0.096	J	0.14	0.0020	ng/g	☼	05/03/18 12:25	05/15/18 03:29	10
PCB-4	0.20	J	0.27	0.021	ng/g	☼	05/03/18 12:25	05/15/18 03:29	10
PCB-5	ND		0.14	0.017	ng/g	☼	05/03/18 12:25	05/15/18 03:29	10
PCB-6	0.062	J q	0.14	0.015	ng/g	☼	05/03/18 12:25	05/15/18 03:29	10
PCB-7	0.021	J q	0.14	0.016	ng/g	☼	05/03/18 12:25	05/15/18 03:29	10
PCB-8	0.23	J	0.27	0.014	ng/g	☼	05/03/18 12:25	05/15/18 03:29	10
PCB-9	0.023	J q	0.14	0.016	ng/g	☼	05/03/18 12:25	05/15/18 03:29	10
PCB-10	ND		0.14	0.017	ng/g	☼	05/03/18 12:25	05/15/18 03:29	10
PCB-11	0.16	J B	0.27	0.015	ng/g	☼	05/03/18 12:25	05/15/18 03:29	10
PCB-12	0.035	J C q	0.27	0.015	ng/g	☼	05/03/18 12:25	05/15/18 03:29	10
PCB-13	0.035	J C12 q	0.27	0.015	ng/g	☼	05/03/18 12:25	05/15/18 03:29	10
PCB-14	ND		0.14	0.013	ng/g	☼	05/03/18 12:25	05/15/18 03:29	10
PCB-15	0.18		0.14	0.016	ng/g	☼	05/03/18 12:25	05/15/18 03:29	10
PCB-16	0.083	J	0.14	0.0029	ng/g	☼	05/03/18 12:25	05/15/18 03:29	10
PCB-17	0.63		0.14	0.0026	ng/g	☼	05/03/18 12:25	05/15/18 03:29	10
PCB-18	0.20	J C q	0.27	0.0023	ng/g	☼	05/03/18 12:25	05/15/18 03:29	10
PCB-19	0.63		0.14	0.0032	ng/g	☼	05/03/18 12:25	05/15/18 03:29	10
PCB-20	0.69	C	0.27	0.0048	ng/g	☼	05/03/18 12:25	05/15/18 03:29	10
PCB-21	0.30	C	0.27	0.0047	ng/g	☼	05/03/18 12:25	05/15/18 03:29	10
PCB-22	0.11	J	0.14	0.0049	ng/g	☼	05/03/18 12:25	05/15/18 03:29	10
PCB-23	ND		0.14	0.0049	ng/g	☼	05/03/18 12:25	05/15/18 03:29	10
PCB-24	0.0097	J q	0.14	0.0022	ng/g	☼	05/03/18 12:25	05/15/18 03:29	10
PCB-25	0.096	J	0.14	0.0044	ng/g	☼	05/03/18 12:25	05/15/18 03:29	10
PCB-26	0.062	J C q	0.27	0.0047	ng/g	☼	05/03/18 12:25	05/15/18 03:29	10
PCB-27	0.12	J	0.14	0.0019	ng/g	☼	05/03/18 12:25	05/15/18 03:29	10
PCB-28	0.69	C20	0.27	0.0048	ng/g	☼	05/03/18 12:25	05/15/18 03:29	10
PCB-29	0.062	J C26 q	0.27	0.0047	ng/g	☼	05/03/18 12:25	05/15/18 03:29	10
PCB-30	0.20	J C18 q	0.27	0.0023	ng/g	☼	05/03/18 12:25	05/15/18 03:29	10
PCB-31	0.36		0.27	0.0047	ng/g	☼	05/03/18 12:25	05/15/18 03:29	10
PCB-32	0.50		0.14	0.0018	ng/g	☼	05/03/18 12:25	05/15/18 03:29	10
PCB-33	0.30	C21	0.27	0.0047	ng/g	☼	05/03/18 12:25	05/15/18 03:29	10
PCB-34	ND		0.14	0.0051	ng/g	☼	05/03/18 12:25	05/15/18 03:29	10
PCB-35	0.015	J	0.14	0.0049	ng/g	☼	05/03/18 12:25	05/15/18 03:29	10
PCB-36	ND		0.14	0.0048	ng/g	☼	05/03/18 12:25	05/15/18 03:29	10
PCB-37	0.18		0.14	0.0049	ng/g	☼	05/03/18 12:25	05/15/18 03:29	10
PCB-38	0.0055	J q	0.14	0.0051	ng/g	☼	05/03/18 12:25	05/15/18 03:29	10
PCB-39	0.0065	J q	0.14	0.0046	ng/g	☼	05/03/18 12:25	05/15/18 03:29	10
PCB-40	1.4	C	0.41	0.031	ng/g	☼	05/03/18 12:25	05/15/18 03:29	10
PCB-41	1.4	C40	0.41	0.031	ng/g	☼	05/03/18 12:25	05/15/18 03:29	10
PCB-42	0.43		0.14	0.031	ng/g	☼	05/03/18 12:25	05/15/18 03:29	10
PCB-43	0.27	C	0.27	0.029	ng/g	☼	05/03/18 12:25	05/15/18 03:29	10
PCB-44	9.9	C B	0.41	0.027	ng/g	☼	05/03/18 12:25	05/15/18 03:29	10
PCB-45	3.7	C	0.27	0.032	ng/g	☼	05/03/18 12:25	05/15/18 03:29	10
PCB-46	0.20		0.14	0.039	ng/g	☼	05/03/18 12:25	05/15/18 03:29	10
PCB-47	9.9	B C44	0.41	0.027	ng/g	☼	05/03/18 12:25	05/15/18 03:29	10
PCB-48	0.14	q	0.14	0.031	ng/g	☼	05/03/18 12:25	05/15/18 03:29	10
PCB-49	4.5	C	0.27	0.025	ng/g	☼	05/03/18 12:25	05/15/18 03:29	10

Client Sample ID: PDI-SG-B273-BL1
Date Collected: 04/23/18 12:29
Date Received: 04/25/18 13:55

Lab Sample ID: 580-76830-10
Matrix: Solid
Percent Solids: 36.5

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-50	2.0	C	0.27	0.030	ng/g	☼	05/03/18 12:25	05/15/18 03:29	10
PCB-51	3.7	C45	0.27	0.032	ng/g	☼	05/03/18 12:25	05/15/18 03:29	10
PCB-52	5.7		0.14	0.030	ng/g	☼	05/03/18 12:25	05/15/18 03:29	10
PCB-53	2.0	C50	0.27	0.030	ng/g	☼	05/03/18 12:25	05/15/18 03:29	10
PCB-54	0.42		0.14	0.00067	ng/g	☼	05/03/18 12:25	05/15/18 03:29	10
PCB-55	0.026	J q	0.14	0.022	ng/g	☼	05/03/18 12:25	05/15/18 03:29	10
PCB-56	0.43		0.14	0.022	ng/g	☼	05/03/18 12:25	05/15/18 03:29	10
PCB-57	ND		0.14	0.023	ng/g	☼	05/03/18 12:25	05/15/18 03:29	10
PCB-58	0.028	J q	0.14	0.023	ng/g	☼	05/03/18 12:25	05/15/18 03:29	10
PCB-59	0.24	J C	0.41	0.022	ng/g	☼	05/03/18 12:25	05/15/18 03:29	10
PCB-60	0.12	J q	0.14	0.023	ng/g	☼	05/03/18 12:25	05/15/18 03:29	10
PCB-61	3.6	C B	0.54	0.021	ng/g	☼	05/03/18 12:25	05/15/18 03:29	10
PCB-62	0.24	J C59	0.41	0.022	ng/g	☼	05/03/18 12:25	05/15/18 03:29	10
PCB-63	0.096	J	0.14	0.021	ng/g	☼	05/03/18 12:25	05/15/18 03:29	10
PCB-64	0.63		0.14	0.020	ng/g	☼	05/03/18 12:25	05/15/18 03:29	10
PCB-65	9.9	B C44	0.41	0.027	ng/g	☼	05/03/18 12:25	05/15/18 03:29	10
PCB-66	1.8		0.14	0.021	ng/g	☼	05/03/18 12:25	05/15/18 03:29	10
PCB-67	ND		0.14	0.020	ng/g	☼	05/03/18 12:25	05/15/18 03:29	10
PCB-68	0.12	J	0.14	0.020	ng/g	☼	05/03/18 12:25	05/15/18 03:29	10
PCB-69	4.5	C49	0.27	0.025	ng/g	☼	05/03/18 12:25	05/15/18 03:29	10
PCB-70	3.6	C61 B	0.54	0.021	ng/g	☼	05/03/18 12:25	05/15/18 03:29	10
PCB-71	1.4	C40	0.41	0.031	ng/g	☼	05/03/18 12:25	05/15/18 03:29	10
PCB-72	0.061	J q	0.14	0.022	ng/g	☼	05/03/18 12:25	05/15/18 03:29	10
PCB-73	0.27	C43	0.27	0.029	ng/g	☼	05/03/18 12:25	05/15/18 03:29	10
PCB-74	3.6	C61 B	0.54	0.021	ng/g	☼	05/03/18 12:25	05/15/18 03:29	10
PCB-75	0.24	J C59	0.41	0.022	ng/g	☼	05/03/18 12:25	05/15/18 03:29	10
PCB-76	3.6	C61 B	0.54	0.021	ng/g	☼	05/03/18 12:25	05/15/18 03:29	10
PCB-77	0.12	J B q	0.14	0.022	ng/g	☼	05/03/18 12:25	05/15/18 03:29	10
PCB-78	ND		0.14	0.023	ng/g	☼	05/03/18 12:25	05/15/18 03:29	10
PCB-79	0.053	J q	0.14	0.020	ng/g	☼	05/03/18 12:25	05/15/18 03:29	10
PCB-80	ND		0.14	0.020	ng/g	☼	05/03/18 12:25	05/15/18 03:29	10
PCB-81	ND		0.14	0.021	ng/g	☼	05/03/18 12:25	05/15/18 03:29	10
PCB-82	0.90		0.14	0.0037	ng/g	☼	05/03/18 12:25	05/15/18 03:29	10
PCB-83	9.7	C	0.27	0.0034	ng/g	☼	05/03/18 12:25	05/15/18 03:29	10
PCB-84	2.6	B	0.14	0.0037	ng/g	☼	05/03/18 12:25	05/15/18 03:29	10
PCB-85	1.6	C	0.41	0.0027	ng/g	☼	05/03/18 12:25	05/15/18 03:29	10
PCB-86	6.8	C B	0.82	0.0028	ng/g	☼	05/03/18 12:25	05/15/18 03:29	10
PCB-87	6.8	B C86	0.82	0.0028	ng/g	☼	05/03/18 12:25	05/15/18 03:29	10
PCB-88	4.2	C	0.27	0.0033	ng/g	☼	05/03/18 12:25	05/15/18 03:29	10
PCB-89	ND		0.14	0.0036	ng/g	☼	05/03/18 12:25	05/15/18 03:29	10
PCB-90	16	C B	0.41	0.0028	ng/g	☼	05/03/18 12:25	05/15/18 03:29	10
PCB-91	4.2	C88	0.27	0.0033	ng/g	☼	05/03/18 12:25	05/15/18 03:29	10
PCB-92	3.5		0.14	0.0032	ng/g	☼	05/03/18 12:25	05/15/18 03:29	10
PCB-93	1.7	C	0.27	0.0032	ng/g	☼	05/03/18 12:25	05/15/18 03:29	10
PCB-94	0.54		0.14	0.0036	ng/g	☼	05/03/18 12:25	05/15/18 03:29	10
PCB-95	12	B	0.14	0.0035	ng/g	☼	05/03/18 12:25	05/15/18 03:29	10
PCB-96	0.36		0.14	0.0027	ng/g	☼	05/03/18 12:25	05/15/18 03:29	10
PCB-97	6.8	B C86	0.82	0.0028	ng/g	☼	05/03/18 12:25	05/15/18 03:29	10
PCB-98	0.94	C	0.27	0.0031	ng/g	☼	05/03/18 12:25	05/15/18 03:29	10

Client Sample ID: PDI-SG-B273-BL1
Date Collected: 04/23/18 12:29
Date Received: 04/25/18 13:55

Lab Sample ID: 580-76830-10
Matrix: Solid
Percent Solids: 36.5

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-99	9.7	C83	0.27	0.0034	ng/g	☼	05/03/18 12:25	05/15/18 03:29	10
PCB-100	1.7	C93	0.27	0.0032	ng/g	☼	05/03/18 12:25	05/15/18 03:29	10
PCB-101	16	B C90	0.41	0.0028	ng/g	☼	05/03/18 12:25	05/15/18 03:29	10
PCB-102	0.94	C98	0.27	0.0031	ng/g	☼	05/03/18 12:25	05/15/18 03:29	10
PCB-103	0.93		0.14	0.0032	ng/g	☼	05/03/18 12:25	05/15/18 03:29	10
PCB-104	ND		0.14	0.0024	ng/g	☼	05/03/18 12:25	05/15/18 03:29	10
PCB-105	2.5	B	0.14	0.015	ng/g	☼	05/03/18 12:25	05/15/18 03:29	10
PCB-106	ND		0.14	0.015	ng/g	☼	05/03/18 12:25	05/15/18 03:29	10
PCB-107	0.92		0.14	0.016	ng/g	☼	05/03/18 12:25	05/15/18 03:29	10
PCB-108	0.29	C	0.27	0.015	ng/g	☼	05/03/18 12:25	05/15/18 03:29	10
PCB-109	6.8	B C86	0.82	0.0028	ng/g	☼	05/03/18 12:25	05/15/18 03:29	10
PCB-110	12	C B	0.27	0.0023	ng/g	☼	05/03/18 12:25	05/15/18 03:29	10
PCB-111	0.051	J	0.14	0.0023	ng/g	☼	05/03/18 12:25	05/15/18 03:29	10
PCB-112	ND		0.14	0.0024	ng/g	☼	05/03/18 12:25	05/15/18 03:29	10
PCB-113	16	B C90	0.41	0.0028	ng/g	☼	05/03/18 12:25	05/15/18 03:29	10
PCB-114	0.16		0.14	0.014	ng/g	☼	05/03/18 12:25	05/15/18 03:29	10
PCB-115	12	B C110	0.27	0.0023	ng/g	☼	05/03/18 12:25	05/15/18 03:29	10
PCB-116	1.6	C85	0.41	0.0027	ng/g	☼	05/03/18 12:25	05/15/18 03:29	10
PCB-117	1.6	C85	0.41	0.0027	ng/g	☼	05/03/18 12:25	05/15/18 03:29	10
PCB-118	8.1	B	0.14	0.013	ng/g	☼	05/03/18 12:25	05/15/18 03:29	10
PCB-119	6.8	B C86	0.82	0.0028	ng/g	☼	05/03/18 12:25	05/15/18 03:29	10
PCB-120	0.10	J q	0.14	0.0023	ng/g	☼	05/03/18 12:25	05/15/18 03:29	10
PCB-121	ND		0.14	0.0024	ng/g	☼	05/03/18 12:25	05/15/18 03:29	10
PCB-122	0.082	J q	0.14	0.017	ng/g	☼	05/03/18 12:25	05/15/18 03:29	10
PCB-123	0.11	J B	0.14	0.014	ng/g	☼	05/03/18 12:25	05/15/18 03:29	10
PCB-124	0.29	C108	0.27	0.015	ng/g	☼	05/03/18 12:25	05/15/18 03:29	10
PCB-125	6.8	B C86	0.82	0.0028	ng/g	☼	05/03/18 12:25	05/15/18 03:29	10
PCB-126	0.041	J B	0.14	0.014	ng/g	☼	05/03/18 12:25	05/15/18 03:29	10
PCB-127	ND		0.14	0.014	ng/g	☼	05/03/18 12:25	05/15/18 03:29	10
PCB-128	2.4	C B	0.27	0.029	ng/g	☼	05/03/18 12:25	05/15/18 03:29	10
PCB-129	22	C B	0.54	0.030	ng/g	☼	05/03/18 12:25	05/15/18 03:29	10
PCB-130	1.3		0.14	0.040	ng/g	☼	05/03/18 12:25	05/15/18 03:29	10
PCB-131	0.20		0.14	0.041	ng/g	☼	05/03/18 12:25	05/15/18 03:29	10
PCB-132	7.0		0.14	0.039	ng/g	☼	05/03/18 12:25	05/15/18 03:29	10
PCB-133	0.81		0.14	0.038	ng/g	☼	05/03/18 12:25	05/15/18 03:29	10
PCB-134	1.3	C	0.27	0.039	ng/g	☼	05/03/18 12:25	05/15/18 03:29	10
PCB-135	11	C	0.27	0.0040	ng/g	☼	05/03/18 12:25	05/15/18 03:29	10
PCB-136	3.8		0.14	0.0029	ng/g	☼	05/03/18 12:25	05/15/18 03:29	10
PCB-137	0.63		0.14	0.034	ng/g	☼	05/03/18 12:25	05/15/18 03:29	10
PCB-138	22	B C129	0.54	0.030	ng/g	☼	05/03/18 12:25	05/15/18 03:29	10
PCB-139	0.49	C	0.27	0.033	ng/g	☼	05/03/18 12:25	05/15/18 03:29	10
PCB-140	0.49	C139	0.27	0.033	ng/g	☼	05/03/18 12:25	05/15/18 03:29	10
PCB-141	3.7		0.14	0.035	ng/g	☼	05/03/18 12:25	05/15/18 03:29	10
PCB-142	ND		0.14	0.037	ng/g	☼	05/03/18 12:25	05/15/18 03:29	10
PCB-143	1.3	C134	0.27	0.039	ng/g	☼	05/03/18 12:25	05/15/18 03:29	10
PCB-144	0.82		0.14	0.0037	ng/g	☼	05/03/18 12:25	05/15/18 03:29	10
PCB-145	ND		0.14	0.0028	ng/g	☼	05/03/18 12:25	05/15/18 03:29	10
PCB-146	5.7		0.14	0.033	ng/g	☼	05/03/18 12:25	05/15/18 03:29	10
PCB-147	26	C	0.27	0.038	ng/g	☼	05/03/18 12:25	05/15/18 03:29	10

Client Sample ID: PDI-SG-B273-BL1
Date Collected: 04/23/18 12:29
Date Received: 04/25/18 13:55

Lab Sample ID: 580-76830-10
Matrix: Solid
Percent Solids: 36.5

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-148	0.26		0.14	0.0039	ng/g	☼	05/03/18 12:25	05/15/18 03:29	10
PCB-149	26	C147	0.27	0.038	ng/g	☼	05/03/18 12:25	05/15/18 03:29	10
PCB-150	0.25	q	0.14	0.0026	ng/g	☼	05/03/18 12:25	05/15/18 03:29	10
PCB-151	11	C135	0.27	0.0040	ng/g	☼	05/03/18 12:25	05/15/18 03:29	10
PCB-152	0.16		0.14	0.0028	ng/g	☼	05/03/18 12:25	05/15/18 03:29	10
PCB-153	22	C	0.27	0.026	ng/g	☼	05/03/18 12:25	05/15/18 03:29	10
PCB-154	1.3		0.14	0.0031	ng/g	☼	05/03/18 12:25	05/15/18 03:29	10
PCB-155	0.018	J q	0.14	0.0027	ng/g	☼	05/03/18 12:25	05/15/18 03:29	10
PCB-156	1.9	C B	0.27	0.032	ng/g	☼	05/03/18 12:25	05/15/18 03:29	10
PCB-157	1.9	C156 B	0.27	0.032	ng/g	☼	05/03/18 12:25	05/15/18 03:29	10
PCB-158	1.7		0.14	0.024	ng/g	☼	05/03/18 12:25	05/15/18 03:29	10
PCB-159	0.14		0.14	0.025	ng/g	☼	05/03/18 12:25	05/15/18 03:29	10
PCB-160	22	B C129	0.54	0.030	ng/g	☼	05/03/18 12:25	05/15/18 03:29	10
PCB-161	ND		0.14	0.025	ng/g	☼	05/03/18 12:25	05/15/18 03:29	10
PCB-162	0.050	J q	0.14	0.025	ng/g	☼	05/03/18 12:25	05/15/18 03:29	10
PCB-163	22	B C129	0.54	0.030	ng/g	☼	05/03/18 12:25	05/15/18 03:29	10
PCB-164	1.6		0.14	0.026	ng/g	☼	05/03/18 12:25	05/15/18 03:29	10
PCB-165	ND		0.14	0.028	ng/g	☼	05/03/18 12:25	05/15/18 03:29	10
PCB-166	2.4	C128 B	0.27	0.029	ng/g	☼	05/03/18 12:25	05/15/18 03:29	10
PCB-167	0.64		0.14	0.020	ng/g	☼	05/03/18 12:25	05/15/18 03:29	10
PCB-168	22	C153	0.27	0.026	ng/g	☼	05/03/18 12:25	05/15/18 03:29	10
PCB-169	ND		0.14	0.018	ng/g	☼	05/03/18 12:25	05/15/18 03:29	10
PCB-170	7.2		0.14	0.0074	ng/g	☼	05/03/18 12:25	05/15/18 03:29	10
PCB-171	2.2	C	0.27	0.0070	ng/g	☼	05/03/18 12:25	05/15/18 03:29	10
PCB-172	1.1		0.14	0.0069	ng/g	☼	05/03/18 12:25	05/15/18 03:29	10
PCB-173	2.2	C171	0.27	0.0070	ng/g	☼	05/03/18 12:25	05/15/18 03:29	10
PCB-174	6.4		0.14	0.0065	ng/g	☼	05/03/18 12:25	05/15/18 03:29	10
PCB-175	0.26		0.14	0.0063	ng/g	☼	05/03/18 12:25	05/15/18 03:29	10
PCB-176	0.89		0.14	0.0047	ng/g	☼	05/03/18 12:25	05/15/18 03:29	10
PCB-177	4.3		0.14	0.0067	ng/g	☼	05/03/18 12:25	05/15/18 03:29	10
PCB-178	1.8		0.14	0.0068	ng/g	☼	05/03/18 12:25	05/15/18 03:29	10
PCB-179	3.5		0.14	0.0050	ng/g	☼	05/03/18 12:25	05/15/18 03:29	10
PCB-180	15	C	0.27	0.0053	ng/g	☼	05/03/18 12:25	05/15/18 03:29	10
PCB-181	ND		0.14	0.0063	ng/g	☼	05/03/18 12:25	05/15/18 03:29	10
PCB-182	0.12	J q	0.14	0.0060	ng/g	☼	05/03/18 12:25	05/15/18 03:29	10
PCB-183	4.6	C	0.27	0.0061	ng/g	☼	05/03/18 12:25	05/15/18 03:29	10
PCB-184	ND		0.14	0.0051	ng/g	☼	05/03/18 12:25	05/15/18 03:29	10
PCB-185	4.6	C183	0.27	0.0061	ng/g	☼	05/03/18 12:25	05/15/18 03:29	10
PCB-186	ND		0.14	0.0050	ng/g	☼	05/03/18 12:25	05/15/18 03:29	10
PCB-187	9.4		0.14	0.0058	ng/g	☼	05/03/18 12:25	05/15/18 03:29	10
PCB-188	ND		0.14	0.0043	ng/g	☼	05/03/18 12:25	05/15/18 03:29	10
PCB-189	0.26		0.14	0.012	ng/g	☼	05/03/18 12:25	05/15/18 03:29	10
PCB-190	1.3		0.14	0.0045	ng/g	☼	05/03/18 12:25	05/15/18 03:29	10
PCB-191	0.26	q	0.14	0.0047	ng/g	☼	05/03/18 12:25	05/15/18 03:29	10
PCB-192	ND		0.14	0.0053	ng/g	☼	05/03/18 12:25	05/15/18 03:29	10
PCB-193	15	C180	0.27	0.0053	ng/g	☼	05/03/18 12:25	05/15/18 03:29	10
PCB-194	3.9		0.14	0.019	ng/g	☼	05/03/18 12:25	05/15/18 03:29	10
PCB-195	1.5		0.14	0.021	ng/g	☼	05/03/18 12:25	05/15/18 03:29	10
PCB-196	1.8		0.14	0.0067	ng/g	☼	05/03/18 12:25	05/15/18 03:29	10

Client Sample ID: PDI-SG-B273-BL1
Date Collected: 04/23/18 12:29
Date Received: 04/25/18 13:55

Lab Sample ID: 580-76830-10
Matrix: Solid
Percent Solids: 36.5

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-197	0.16	q	0.14	0.0052	ng/g	☼	05/03/18 12:25	05/15/18 03:29	10
PCB-198	3.6	C B	0.27	0.0068	ng/g	☼	05/03/18 12:25	05/15/18 03:29	10
PCB-199	3.6	C198 B	0.27	0.0068	ng/g	☼	05/03/18 12:25	05/15/18 03:29	10
PCB-200	0.37		0.14	0.0046	ng/g	☼	05/03/18 12:25	05/15/18 03:29	10
PCB-201	0.40		0.14	0.0047	ng/g	☼	05/03/18 12:25	05/15/18 03:29	10
PCB-202	0.68		0.14	0.0053	ng/g	☼	05/03/18 12:25	05/15/18 03:29	10
PCB-203	2.4		0.14	0.0061	ng/g	☼	05/03/18 12:25	05/15/18 03:29	10
PCB-204	ND		0.14	0.0052	ng/g	☼	05/03/18 12:25	05/15/18 03:29	10
PCB-205	0.19	B	0.14	0.016	ng/g	☼	05/03/18 12:25	05/15/18 03:29	10
PCB-206	2.0		0.14	0.021	ng/g	☼	05/03/18 12:25	05/15/18 03:29	10
PCB-207	0.17	q	0.14	0.017	ng/g	☼	05/03/18 12:25	05/15/18 03:29	10
PCB-208	0.57		0.14	0.018	ng/g	☼	05/03/18 12:25	05/15/18 03:29	10
PCB-209	0.54		0.14	0.0052	ng/g	☼	05/03/18 12:25	05/15/18 03:29	10

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
PCB-1L	*78*		*30 - 140*	*05/03/18 12:25*	*05/15/18 03:29*	*10*
PCB-3L	*80*		*30 - 140*	*05/03/18 12:25*	*05/15/18 03:29*	*10*
PCB-4L	*72*		*30 - 140*	*05/03/18 12:25*	*05/15/18 03:29*	*10*
PCB-15L	*73*		*30 - 140*	*05/03/18 12:25*	*05/15/18 03:29*	*10*
PCB-19L	*79*		*30 - 140*	*05/03/18 12:25*	*05/15/18 03:29*	*10*
PCB-37L	*88*		*30 - 140*	*05/03/18 12:25*	*05/15/18 03:29*	*10*
PCB-54L	*78*	*q*	*30 - 140*	*05/03/18 12:25*	*05/15/18 03:29*	*10*
PCB-77L	*82*		*30 - 140*	*05/03/18 12:25*	*05/15/18 03:29*	*10*
PCB-81L	*79*		*30 - 140*	*05/03/18 12:25*	*05/15/18 03:29*	*10*
PCB-104L	*83*		*30 - 140*	*05/03/18 12:25*	*05/15/18 03:29*	*10*
PCB-105L	*85*		*30 - 140*	*05/03/18 12:25*	*05/15/18 03:29*	*10*
PCB-114L	*85*		*30 - 140*	*05/03/18 12:25*	*05/15/18 03:29*	*10*
PCB-118L	*85*		*30 - 140*	*05/03/18 12:25*	*05/15/18 03:29*	*10*
PCB-123L	*84*		*30 - 140*	*05/03/18 12:25*	*05/15/18 03:29*	*10*
PCB-126L	*85*		*30 - 140*	*05/03/18 12:25*	*05/15/18 03:29*	*10*
PCB-155L	*79*		*30 - 140*	*05/03/18 12:25*	*05/15/18 03:29*	*10*
PCB-156L	*87*	*C*	*30 - 140*	*05/03/18 12:25*	*05/15/18 03:29*	*10*
PCB-157L	*87*	*C156*	*30 - 140*	*05/03/18 12:25*	*05/15/18 03:29*	*10*
PCB-167L	*88*		*30 - 140*	*05/03/18 12:25*	*05/15/18 03:29*	*10*
PCB-169L	*94*		*30 - 140*	*05/03/18 12:25*	*05/15/18 03:29*	*10*
PCB-170L	*83*		*30 - 140*	*05/03/18 12:25*	*05/15/18 03:29*	*10*
PCB-188L	*89*		*30 - 140*	*05/03/18 12:25*	*05/15/18 03:29*	*10*
PCB-189L	*91*		*30 - 140*	*05/03/18 12:25*	*05/15/18 03:29*	*10*
PCB-202L	*87*		*30 - 140*	*05/03/18 12:25*	*05/15/18 03:29*	*10*
PCB-205L	*76*		*30 - 140*	*05/03/18 12:25*	*05/15/18 03:29*	*10*
PCB-206L	*76*		*30 - 140*	*05/03/18 12:25*	*05/15/18 03:29*	*10*
PCB-208L	*71*		*30 - 140*	*05/03/18 12:25*	*05/15/18 03:29*	*10*
PCB-209L	*69*		*30 - 140*	*05/03/18 12:25*	*05/15/18 03:29*	*10*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
PCB-28L	*99*		*40 - 125*	*05/03/18 12:25*	*05/15/18 03:29*	*10*
PCB-111L	*94*		*40 - 125*	*05/03/18 12:25*	*05/15/18 03:29*	*10*
PCB-178L	*87*		*40 - 125*	*05/03/18 12:25*	*05/15/18 03:29*	*10*

Client Sample ID: PDI-SG-B279-BL1
Date Collected: 04/23/18 14:49
Date Received: 04/25/18 13:55

Lab Sample ID: 580-76830-11
Matrix: Solid
Percent Solids: 38.1

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1	0.088	J q	0.13	0.0022	ng/g	☼	05/03/18 12:25	05/15/18 04:31	10
PCB-2	0.037	J B q	0.13	0.0024	ng/g	☼	05/03/18 12:25	05/15/18 04:31	10
PCB-3	0.065	J	0.13	0.0027	ng/g	☼	05/03/18 12:25	05/15/18 04:31	10
PCB-4	0.27		0.25	0.033	ng/g	☼	05/03/18 12:25	05/15/18 04:31	10
PCB-5	ND		0.13	0.026	ng/g	☼	05/03/18 12:25	05/15/18 04:31	10
PCB-6	0.050	J	0.13	0.023	ng/g	☼	05/03/18 12:25	05/15/18 04:31	10
PCB-7	ND		0.13	0.023	ng/g	☼	05/03/18 12:25	05/15/18 04:31	10
PCB-8	0.15	J	0.25	0.021	ng/g	☼	05/03/18 12:25	05/15/18 04:31	10
PCB-9	ND		0.13	0.024	ng/g	☼	05/03/18 12:25	05/15/18 04:31	10
PCB-10	ND		0.13	0.026	ng/g	☼	05/03/18 12:25	05/15/18 04:31	10
PCB-11	0.11	J B q	0.25	0.022	ng/g	☼	05/03/18 12:25	05/15/18 04:31	10
PCB-12	0.028	J C q	0.25	0.023	ng/g	☼	05/03/18 12:25	05/15/18 04:31	10
PCB-13	0.028	J C12 q	0.25	0.023	ng/g	☼	05/03/18 12:25	05/15/18 04:31	10
PCB-14	ND		0.13	0.020	ng/g	☼	05/03/18 12:25	05/15/18 04:31	10
PCB-15	0.12	J q	0.13	0.024	ng/g	☼	05/03/18 12:25	05/15/18 04:31	10
PCB-16	0.061	J q	0.13	0.0048	ng/g	☼	05/03/18 12:25	05/15/18 04:31	10
PCB-17	0.51	q	0.13	0.0043	ng/g	☼	05/03/18 12:25	05/15/18 04:31	10
PCB-18	0.25	C	0.25	0.0038	ng/g	☼	05/03/18 12:25	05/15/18 04:31	10
PCB-19	0.74		0.13	0.0053	ng/g	☼	05/03/18 12:25	05/15/18 04:31	10
PCB-20	0.75	C	0.25	0.0064	ng/g	☼	05/03/18 12:25	05/15/18 04:31	10
PCB-21	0.15	J C q	0.25	0.0062	ng/g	☼	05/03/18 12:25	05/15/18 04:31	10
PCB-22	0.090	J	0.13	0.0065	ng/g	☼	05/03/18 12:25	05/15/18 04:31	10
PCB-23	ND		0.13	0.0065	ng/g	☼	05/03/18 12:25	05/15/18 04:31	10
PCB-24	ND		0.13	0.0036	ng/g	☼	05/03/18 12:25	05/15/18 04:31	10
PCB-25	0.13		0.13	0.0059	ng/g	☼	05/03/18 12:25	05/15/18 04:31	10
PCB-26	0.088	J C q	0.25	0.0063	ng/g	☼	05/03/18 12:25	05/15/18 04:31	10
PCB-27	0.11	J	0.13	0.0032	ng/g	☼	05/03/18 12:25	05/15/18 04:31	10
PCB-28	0.75	C20	0.25	0.0064	ng/g	☼	05/03/18 12:25	05/15/18 04:31	10
PCB-29	0.088	J C26 q	0.25	0.0063	ng/g	☼	05/03/18 12:25	05/15/18 04:31	10
PCB-30	0.25	C18	0.25	0.0038	ng/g	☼	05/03/18 12:25	05/15/18 04:31	10
PCB-31	0.32		0.25	0.0062	ng/g	☼	05/03/18 12:25	05/15/18 04:31	10
PCB-32	1.0		0.13	0.0030	ng/g	☼	05/03/18 12:25	05/15/18 04:31	10
PCB-33	0.15	J C21 q	0.25	0.0062	ng/g	☼	05/03/18 12:25	05/15/18 04:31	10
PCB-34	ND		0.13	0.0067	ng/g	☼	05/03/18 12:25	05/15/18 04:31	10
PCB-35	ND		0.13	0.0066	ng/g	☼	05/03/18 12:25	05/15/18 04:31	10
PCB-36	ND		0.13	0.0063	ng/g	☼	05/03/18 12:25	05/15/18 04:31	10
PCB-37	0.14		0.13	0.0065	ng/g	☼	05/03/18 12:25	05/15/18 04:31	10
PCB-38	ND		0.13	0.0068	ng/g	☼	05/03/18 12:25	05/15/18 04:31	10
PCB-39	ND		0.13	0.0061	ng/g	☼	05/03/18 12:25	05/15/18 04:31	10
PCB-40	1.6	C	0.38	0.036	ng/g	☼	05/03/18 12:25	05/15/18 04:31	10
PCB-41	1.6	C40	0.38	0.036	ng/g	☼	05/03/18 12:25	05/15/18 04:31	10
PCB-42	0.34		0.13	0.036	ng/g	☼	05/03/18 12:25	05/15/18 04:31	10
PCB-43	0.35	C q	0.25	0.034	ng/g	☼	05/03/18 12:25	05/15/18 04:31	10
PCB-44	14	C B	0.38	0.032	ng/g	☼	05/03/18 12:25	05/15/18 04:31	10
PCB-45	8.1	C	0.25	0.038	ng/g	☼	05/03/18 12:25	05/15/18 04:31	10
PCB-46	0.22		0.13	0.045	ng/g	☼	05/03/18 12:25	05/15/18 04:31	10
PCB-47	14	B C44	0.38	0.032	ng/g	☼	05/03/18 12:25	05/15/18 04:31	10
PCB-48	0.12	J q	0.13	0.036	ng/g	☼	05/03/18 12:25	05/15/18 04:31	10
PCB-49	5.2	C	0.25	0.029	ng/g	☼	05/03/18 12:25	05/15/18 04:31	10

Client Sample ID: PDI-SG-B279-BL1
Date Collected: 04/23/18 14:49
Date Received: 04/25/18 13:55

Lab Sample ID: 580-76830-11
Matrix: Solid
Percent Solids: 38.1

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-50	3.4	C	0.25	0.035	ng/g	☼	05/03/18 12:25	05/15/18 04:31	10
PCB-51	8.1	C45	0.25	0.038	ng/g	☼	05/03/18 12:25	05/15/18 04:31	10
PCB-52	3.9		0.13	0.035	ng/g	☼	05/03/18 12:25	05/15/18 04:31	10
PCB-53	3.4	C50	0.25	0.035	ng/g	☼	05/03/18 12:25	05/15/18 04:31	10
PCB-54	0.99	q	0.13	0.0021	ng/g	☼	05/03/18 12:25	05/15/18 04:31	10
PCB-55	ND		0.13	0.026	ng/g	☼	05/03/18 12:25	05/15/18 04:31	10
PCB-56	0.33		0.13	0.026	ng/g	☼	05/03/18 12:25	05/15/18 04:31	10
PCB-57	ND		0.13	0.026	ng/g	☼	05/03/18 12:25	05/15/18 04:31	10
PCB-58	0.030	J q	0.13	0.027	ng/g	☼	05/03/18 12:25	05/15/18 04:31	10
PCB-59	0.42	C	0.38	0.025	ng/g	☼	05/03/18 12:25	05/15/18 04:31	10
PCB-60	0.10	J	0.13	0.027	ng/g	☼	05/03/18 12:25	05/15/18 04:31	10
PCB-61	2.2	C B	0.51	0.025	ng/g	☼	05/03/18 12:25	05/15/18 04:31	10
PCB-62	0.42	C59	0.38	0.025	ng/g	☼	05/03/18 12:25	05/15/18 04:31	10
PCB-63	0.085	J q	0.13	0.024	ng/g	☼	05/03/18 12:25	05/15/18 04:31	10
PCB-64	0.37		0.13	0.024	ng/g	☼	05/03/18 12:25	05/15/18 04:31	10
PCB-65	14	B C44	0.38	0.032	ng/g	☼	05/03/18 12:25	05/15/18 04:31	10
PCB-66	1.3		0.13	0.025	ng/g	☼	05/03/18 12:25	05/15/18 04:31	10
PCB-67	ND		0.13	0.023	ng/g	☼	05/03/18 12:25	05/15/18 04:31	10
PCB-68	0.13		0.13	0.023	ng/g	☼	05/03/18 12:25	05/15/18 04:31	10
PCB-69	5.2	C49	0.25	0.029	ng/g	☼	05/03/18 12:25	05/15/18 04:31	10
PCB-70	2.2	C61 B	0.51	0.025	ng/g	☼	05/03/18 12:25	05/15/18 04:31	10
PCB-71	1.6	C40	0.38	0.036	ng/g	☼	05/03/18 12:25	05/15/18 04:31	10
PCB-72	0.058	J q	0.13	0.026	ng/g	☼	05/03/18 12:25	05/15/18 04:31	10
PCB-73	0.35	C43 q	0.25	0.034	ng/g	☼	05/03/18 12:25	05/15/18 04:31	10
PCB-74	2.2	C61 B	0.51	0.025	ng/g	☼	05/03/18 12:25	05/15/18 04:31	10
PCB-75	0.42	C59	0.38	0.025	ng/g	☼	05/03/18 12:25	05/15/18 04:31	10
PCB-76	2.2	C61 B	0.51	0.025	ng/g	☼	05/03/18 12:25	05/15/18 04:31	10
PCB-77	0.088	J B q	0.13	0.025	ng/g	☼	05/03/18 12:25	05/15/18 04:31	10
PCB-78	ND		0.13	0.027	ng/g	☼	05/03/18 12:25	05/15/18 04:31	10
PCB-79	0.046	J	0.13	0.023	ng/g	☼	05/03/18 12:25	05/15/18 04:31	10
PCB-80	ND		0.13	0.023	ng/g	☼	05/03/18 12:25	05/15/18 04:31	10
PCB-81	ND		0.13	0.025	ng/g	☼	05/03/18 12:25	05/15/18 04:31	10
PCB-82	0.42	q	0.13	0.0061	ng/g	☼	05/03/18 12:25	05/15/18 04:31	10
PCB-83	7.3	C	0.25	0.0056	ng/g	☼	05/03/18 12:25	05/15/18 04:31	10
PCB-84	1.7	B	0.13	0.0062	ng/g	☼	05/03/18 12:25	05/15/18 04:31	10
PCB-85	1.1	C	0.38	0.0045	ng/g	☼	05/03/18 12:25	05/15/18 04:31	10
PCB-86	4.6	C B	0.76	0.0046	ng/g	☼	05/03/18 12:25	05/15/18 04:31	10
PCB-87	4.6	B C86	0.76	0.0046	ng/g	☼	05/03/18 12:25	05/15/18 04:31	10
PCB-88	3.8	C	0.25	0.0055	ng/g	☼	05/03/18 12:25	05/15/18 04:31	10
PCB-89	ND		0.13	0.0060	ng/g	☼	05/03/18 12:25	05/15/18 04:31	10
PCB-90	12	C B	0.38	0.0046	ng/g	☼	05/03/18 12:25	05/15/18 04:31	10
PCB-91	3.8	C88	0.25	0.0055	ng/g	☼	05/03/18 12:25	05/15/18 04:31	10
PCB-92	2.7		0.13	0.0052	ng/g	☼	05/03/18 12:25	05/15/18 04:31	10
PCB-93	2.6	C	0.25	0.0053	ng/g	☼	05/03/18 12:25	05/15/18 04:31	10
PCB-94	0.62		0.13	0.0060	ng/g	☼	05/03/18 12:25	05/15/18 04:31	10
PCB-95	8.1	B	0.13	0.0058	ng/g	☼	05/03/18 12:25	05/15/18 04:31	10
PCB-96	0.37	q	0.13	0.0045	ng/g	☼	05/03/18 12:25	05/15/18 04:31	10
PCB-97	4.6	B C86	0.76	0.0046	ng/g	☼	05/03/18 12:25	05/15/18 04:31	10
PCB-98	0.85	C	0.25	0.0051	ng/g	☼	05/03/18 12:25	05/15/18 04:31	10

Client Sample ID: PDI-SG-B279-BL1
Date Collected: 04/23/18 14:49
Date Received: 04/25/18 13:55

Lab Sample ID: 580-76830-11
Matrix: Solid
Percent Solids: 38.1

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-99	7.3	C83	0.25	0.0056	ng/g	☼	05/03/18 12:25	05/15/18 04:31	10
PCB-100	2.6	C93	0.25	0.0053	ng/g	☼	05/03/18 12:25	05/15/18 04:31	10
PCB-101	12	B C90	0.38	0.0046	ng/g	☼	05/03/18 12:25	05/15/18 04:31	10
PCB-102	0.85	C98	0.25	0.0051	ng/g	☼	05/03/18 12:25	05/15/18 04:31	10
PCB-103	1.1		0.13	0.0053	ng/g	☼	05/03/18 12:25	05/15/18 04:31	10
PCB-104	0.23		0.13	0.0040	ng/g	☼	05/03/18 12:25	05/15/18 04:31	10
PCB-105	1.3	B	0.13	0.015	ng/g	☼	05/03/18 12:25	05/15/18 04:31	10
PCB-106	ND		0.13	0.016	ng/g	☼	05/03/18 12:25	05/15/18 04:31	10
PCB-107	0.62		0.13	0.017	ng/g	☼	05/03/18 12:25	05/15/18 04:31	10
PCB-108	0.16	J C	0.25	0.016	ng/g	☼	05/03/18 12:25	05/15/18 04:31	10
PCB-109	4.6	B C86	0.76	0.0046	ng/g	☼	05/03/18 12:25	05/15/18 04:31	10
PCB-110	8.2	C B	0.25	0.0038	ng/g	☼	05/03/18 12:25	05/15/18 04:31	10
PCB-111	0.064	J	0.13	0.0037	ng/g	☼	05/03/18 12:25	05/15/18 04:31	10
PCB-112	ND		0.13	0.0039	ng/g	☼	05/03/18 12:25	05/15/18 04:31	10
PCB-113	12	B C90	0.38	0.0046	ng/g	☼	05/03/18 12:25	05/15/18 04:31	10
PCB-114	0.065	J	0.13	0.015	ng/g	☼	05/03/18 12:25	05/15/18 04:31	10
PCB-115	8.2	B C110	0.25	0.0038	ng/g	☼	05/03/18 12:25	05/15/18 04:31	10
PCB-116	1.1	C85	0.38	0.0045	ng/g	☼	05/03/18 12:25	05/15/18 04:31	10
PCB-117	1.1	C85	0.38	0.0045	ng/g	☼	05/03/18 12:25	05/15/18 04:31	10
PCB-118	4.6	B	0.13	0.015	ng/g	☼	05/03/18 12:25	05/15/18 04:31	10
PCB-119	4.6	B C86	0.76	0.0046	ng/g	☼	05/03/18 12:25	05/15/18 04:31	10
PCB-120	0.14		0.13	0.0038	ng/g	☼	05/03/18 12:25	05/15/18 04:31	10
PCB-121	0.058	J q	0.13	0.0039	ng/g	☼	05/03/18 12:25	05/15/18 04:31	10
PCB-122	0.063	J	0.13	0.018	ng/g	☼	05/03/18 12:25	05/15/18 04:31	10
PCB-123	0.052	J B q	0.13	0.015	ng/g	☼	05/03/18 12:25	05/15/18 04:31	10
PCB-124	0.16	J C108	0.25	0.016	ng/g	☼	05/03/18 12:25	05/15/18 04:31	10
PCB-125	4.6	B C86	0.76	0.0046	ng/g	☼	05/03/18 12:25	05/15/18 04:31	10
PCB-126	0.022	J B q	0.13	0.015	ng/g	☼	05/03/18 12:25	05/15/18 04:31	10
PCB-127	ND		0.13	0.016	ng/g	☼	05/03/18 12:25	05/15/18 04:31	10
PCB-128	1.6	C B	0.25	0.030	ng/g	☼	05/03/18 12:25	05/15/18 04:31	10
PCB-129	17	C B	0.51	0.031	ng/g	☼	05/03/18 12:25	05/15/18 04:31	10
PCB-130	0.94		0.13	0.041	ng/g	☼	05/03/18 12:25	05/15/18 04:31	10
PCB-131	0.13		0.13	0.043	ng/g	☼	05/03/18 12:25	05/15/18 04:31	10
PCB-132	5.3		0.13	0.040	ng/g	☼	05/03/18 12:25	05/15/18 04:31	10
PCB-133	0.64		0.13	0.039	ng/g	☼	05/03/18 12:25	05/15/18 04:31	10
PCB-134	1.0	C	0.25	0.040	ng/g	☼	05/03/18 12:25	05/15/18 04:31	10
PCB-135	9.4	C	0.25	0.0072	ng/g	☼	05/03/18 12:25	05/15/18 04:31	10
PCB-136	3.2		0.13	0.0052	ng/g	☼	05/03/18 12:25	05/15/18 04:31	10
PCB-137	0.35		0.13	0.035	ng/g	☼	05/03/18 12:25	05/15/18 04:31	10
PCB-138	17	B C129	0.51	0.031	ng/g	☼	05/03/18 12:25	05/15/18 04:31	10
PCB-139	0.41	C	0.25	0.034	ng/g	☼	05/03/18 12:25	05/15/18 04:31	10
PCB-140	0.41	C139	0.25	0.034	ng/g	☼	05/03/18 12:25	05/15/18 04:31	10
PCB-141	3.1		0.13	0.036	ng/g	☼	05/03/18 12:25	05/15/18 04:31	10
PCB-142	ND		0.13	0.039	ng/g	☼	05/03/18 12:25	05/15/18 04:31	10
PCB-143	1.0	C134	0.25	0.040	ng/g	☼	05/03/18 12:25	05/15/18 04:31	10
PCB-144	0.79		0.13	0.0065	ng/g	☼	05/03/18 12:25	05/15/18 04:31	10
PCB-145	ND		0.13	0.0049	ng/g	☼	05/03/18 12:25	05/15/18 04:31	10
PCB-146	5.2		0.13	0.034	ng/g	☼	05/03/18 12:25	05/15/18 04:31	10
PCB-147	22	C	0.25	0.039	ng/g	☼	05/03/18 12:25	05/15/18 04:31	10

Client Sample ID: PDI-SG-B279-BL1
Date Collected: 04/23/18 14:49
Date Received: 04/25/18 13:55

Lab Sample ID: 580-76830-11
Matrix: Solid
Percent Solids: 38.1

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-148	0.24		0.13	0.0070	ng/g	☼	05/03/18 12:25	05/15/18 04:31	10
PCB-149	22	C147	0.25	0.039	ng/g	☼	05/03/18 12:25	05/15/18 04:31	10
PCB-150	0.21	q	0.13	0.0047	ng/g	☼	05/03/18 12:25	05/15/18 04:31	10
PCB-151	9.4	C135	0.25	0.0072	ng/g	☼	05/03/18 12:25	05/15/18 04:31	10
PCB-152	0.13		0.13	0.0051	ng/g	☼	05/03/18 12:25	05/15/18 04:31	10
PCB-153	19	C	0.25	0.027	ng/g	☼	05/03/18 12:25	05/15/18 04:31	10
PCB-154	1.2		0.13	0.0056	ng/g	☼	05/03/18 12:25	05/15/18 04:31	10
PCB-155	0.017	J q	0.13	0.0047	ng/g	☼	05/03/18 12:25	05/15/18 04:31	10
PCB-156	1.2	C B	0.25	0.032	ng/g	☼	05/03/18 12:25	05/15/18 04:31	10
PCB-157	1.2	C156 B	0.25	0.032	ng/g	☼	05/03/18 12:25	05/15/18 04:31	10
PCB-158	1.3		0.13	0.024	ng/g	☼	05/03/18 12:25	05/15/18 04:31	10
PCB-159	0.15		0.13	0.026	ng/g	☼	05/03/18 12:25	05/15/18 04:31	10
PCB-160	17	B C129	0.51	0.031	ng/g	☼	05/03/18 12:25	05/15/18 04:31	10
PCB-161	ND		0.13	0.026	ng/g	☼	05/03/18 12:25	05/15/18 04:31	10
PCB-162	0.026	J q	0.13	0.025	ng/g	☼	05/03/18 12:25	05/15/18 04:31	10
PCB-163	17	B C129	0.51	0.031	ng/g	☼	05/03/18 12:25	05/15/18 04:31	10
PCB-164	1.2		0.13	0.027	ng/g	☼	05/03/18 12:25	05/15/18 04:31	10
PCB-165	ND		0.13	0.029	ng/g	☼	05/03/18 12:25	05/15/18 04:31	10
PCB-166	1.6	C128 B	0.25	0.030	ng/g	☼	05/03/18 12:25	05/15/18 04:31	10
PCB-167	0.47		0.13	0.020	ng/g	☼	05/03/18 12:25	05/15/18 04:31	10
PCB-168	19	C153	0.25	0.027	ng/g	☼	05/03/18 12:25	05/15/18 04:31	10
PCB-169	ND		0.13	0.021	ng/g	☼	05/03/18 12:25	05/15/18 04:31	10
PCB-170	6.4		0.13	0.011	ng/g	☼	05/03/18 12:25	05/15/18 04:31	10
PCB-171	2.0	C	0.25	0.010	ng/g	☼	05/03/18 12:25	05/15/18 04:31	10
PCB-172	0.98		0.13	0.010	ng/g	☼	05/03/18 12:25	05/15/18 04:31	10
PCB-173	2.0	C171	0.25	0.010	ng/g	☼	05/03/18 12:25	05/15/18 04:31	10
PCB-174	6.0		0.13	0.0097	ng/g	☼	05/03/18 12:25	05/15/18 04:31	10
PCB-175	0.24		0.13	0.0094	ng/g	☼	05/03/18 12:25	05/15/18 04:31	10
PCB-176	0.91		0.13	0.0071	ng/g	☼	05/03/18 12:25	05/15/18 04:31	10
PCB-177	4.1		0.13	0.010	ng/g	☼	05/03/18 12:25	05/15/18 04:31	10
PCB-178	1.6		0.13	0.010	ng/g	☼	05/03/18 12:25	05/15/18 04:31	10
PCB-179	3.4		0.13	0.0075	ng/g	☼	05/03/18 12:25	05/15/18 04:31	10
PCB-180	14	C	0.25	0.0079	ng/g	☼	05/03/18 12:25	05/15/18 04:31	10
PCB-181	ND		0.13	0.0094	ng/g	☼	05/03/18 12:25	05/15/18 04:31	10
PCB-182	ND		0.13	0.0090	ng/g	☼	05/03/18 12:25	05/15/18 04:31	10
PCB-183	4.4	C	0.25	0.0092	ng/g	☼	05/03/18 12:25	05/15/18 04:31	10
PCB-184	ND		0.13	0.0077	ng/g	☼	05/03/18 12:25	05/15/18 04:31	10
PCB-185	4.4	C183	0.25	0.0092	ng/g	☼	05/03/18 12:25	05/15/18 04:31	10
PCB-186	ND		0.13	0.0075	ng/g	☼	05/03/18 12:25	05/15/18 04:31	10
PCB-187	8.5		0.13	0.0087	ng/g	☼	05/03/18 12:25	05/15/18 04:31	10
PCB-188	ND		0.13	0.0067	ng/g	☼	05/03/18 12:25	05/15/18 04:31	10
PCB-189	0.20		0.13	0.014	ng/g	☼	05/03/18 12:25	05/15/18 04:31	10
PCB-190	1.2		0.13	0.0068	ng/g	☼	05/03/18 12:25	05/15/18 04:31	10
PCB-191	0.28		0.13	0.0071	ng/g	☼	05/03/18 12:25	05/15/18 04:31	10
PCB-192	ND		0.13	0.0079	ng/g	☼	05/03/18 12:25	05/15/18 04:31	10
PCB-193	14	C180	0.25	0.0079	ng/g	☼	05/03/18 12:25	05/15/18 04:31	10
PCB-194	3.1		0.13	0.029	ng/g	☼	05/03/18 12:25	05/15/18 04:31	10
PCB-195	1.5		0.13	0.031	ng/g	☼	05/03/18 12:25	05/15/18 04:31	10
PCB-196	1.5		0.13	0.013	ng/g	☼	05/03/18 12:25	05/15/18 04:31	10

Client Sample ID: PDI-SG-B279-BL1
Date Collected: 04/23/18 14:49
Date Received: 04/25/18 13:55

Lab Sample ID: 580-76830-11
Matrix: Solid
Percent Solids: 38.1

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-197	0.11	J	0.13	0.0096	ng/g	☼	05/03/18 12:25	05/15/18 04:31	10
PCB-198	2.7	C B	0.25	0.013	ng/g	☼	05/03/18 12:25	05/15/18 04:31	10
PCB-199	2.7	C198 B	0.25	0.013	ng/g	☼	05/03/18 12:25	05/15/18 04:31	10
PCB-200	0.29		0.13	0.0085	ng/g	☼	05/03/18 12:25	05/15/18 04:31	10
PCB-201	0.30		0.13	0.0087	ng/g	☼	05/03/18 12:25	05/15/18 04:31	10
PCB-202	0.50		0.13	0.0098	ng/g	☼	05/03/18 12:25	05/15/18 04:31	10
PCB-203	1.8		0.13	0.011	ng/g	☼	05/03/18 12:25	05/15/18 04:31	10
PCB-204	ND		0.13	0.0096	ng/g	☼	05/03/18 12:25	05/15/18 04:31	10
PCB-205	0.17	B	0.13	0.024	ng/g	☼	05/03/18 12:25	05/15/18 04:31	10
PCB-206	0.80		0.13	0.029	ng/g	☼	05/03/18 12:25	05/15/18 04:31	10
PCB-207	0.087	J	0.13	0.020	ng/g	☼	05/03/18 12:25	05/15/18 04:31	10
PCB-208	0.19		0.13	0.020	ng/g	☼	05/03/18 12:25	05/15/18 04:31	10
PCB-209	0.23	q	0.13	0.0067	ng/g	☼	05/03/18 12:25	05/15/18 04:31	10

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
PCB-1L	*79*		*30 - 140*	*05/03/18 12:25*	*05/15/18 04:31*	*10*
PCB-3L	*80*		*30 - 140*	*05/03/18 12:25*	*05/15/18 04:31*	*10*
PCB-4L	*74*		*30 - 140*	*05/03/18 12:25*	*05/15/18 04:31*	*10*
PCB-15L	*75*		*30 - 140*	*05/03/18 12:25*	*05/15/18 04:31*	*10*
PCB-19L	*92*		*30 - 140*	*05/03/18 12:25*	*05/15/18 04:31*	*10*
PCB-37L	*88*		*30 - 140*	*05/03/18 12:25*	*05/15/18 04:31*	*10*
PCB-54L	*86*		*30 - 140*	*05/03/18 12:25*	*05/15/18 04:31*	*10*
PCB-77L	*92*		*30 - 140*	*05/03/18 12:25*	*05/15/18 04:31*	*10*
PCB-81L	*87*		*30 - 140*	*05/03/18 12:25*	*05/15/18 04:31*	*10*
PCB-104L	*78*		*30 - 140*	*05/03/18 12:25*	*05/15/18 04:31*	*10*
PCB-105L	*85*		*30 - 140*	*05/03/18 12:25*	*05/15/18 04:31*	*10*
PCB-114L	*87*		*30 - 140*	*05/03/18 12:25*	*05/15/18 04:31*	*10*
PCB-118L	*85*		*30 - 140*	*05/03/18 12:25*	*05/15/18 04:31*	*10*
PCB-123L	*88*		*30 - 140*	*05/03/18 12:25*	*05/15/18 04:31*	*10*
PCB-126L	*87*		*30 - 140*	*05/03/18 12:25*	*05/15/18 04:31*	*10*
PCB-155L	*77*		*30 - 140*	*05/03/18 12:25*	*05/15/18 04:31*	*10*
PCB-156L	*93*	*C*	*30 - 140*	*05/03/18 12:25*	*05/15/18 04:31*	*10*
PCB-157L	*93*	*C156*	*30 - 140*	*05/03/18 12:25*	*05/15/18 04:31*	*10*
PCB-167L	*92*		*30 - 140*	*05/03/18 12:25*	*05/15/18 04:31*	*10*
PCB-169L	*98*		*30 - 140*	*05/03/18 12:25*	*05/15/18 04:31*	*10*
PCB-170L	*85*		*30 - 140*	*05/03/18 12:25*	*05/15/18 04:31*	*10*
PCB-188L	*92*		*30 - 140*	*05/03/18 12:25*	*05/15/18 04:31*	*10*
PCB-189L	*89*		*30 - 140*	*05/03/18 12:25*	*05/15/18 04:31*	*10*
PCB-202L	*94*		*30 - 140*	*05/03/18 12:25*	*05/15/18 04:31*	*10*
PCB-205L	*72*		*30 - 140*	*05/03/18 12:25*	*05/15/18 04:31*	*10*
PCB-206L	*78*		*30 - 140*	*05/03/18 12:25*	*05/15/18 04:31*	*10*
PCB-208L	*73*		*30 - 140*	*05/03/18 12:25*	*05/15/18 04:31*	*10*
PCB-209L	*65*		*30 - 140*	*05/03/18 12:25*	*05/15/18 04:31*	*10*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
PCB-28L	*92*		*40 - 125*	*05/03/18 12:25*	*05/15/18 04:31*	*10*
PCB-111L	*90*		*40 - 125*	*05/03/18 12:25*	*05/15/18 04:31*	*10*
PCB-178L	*90*		*40 - 125*	*05/03/18 12:25*	*05/15/18 04:31*	*10*

Client Sample ID: PDI-SG-B280-BL1
Date Collected: 04/23/18 15:51
Date Received: 04/25/18 13:55

Lab Sample ID: 580-76830-12
Matrix: Solid
Percent Solids: 32.5

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1	0.13	J q	0.15	0.0034	ng/g	☼	05/03/18 12:25	05/15/18 05:32	10
PCB-2	0.054	J B q	0.15	0.0038	ng/g	☼	05/03/18 12:25	05/15/18 05:32	10
PCB-3	0.096	J	0.15	0.0042	ng/g	☼	05/03/18 12:25	05/15/18 05:32	10
PCB-4	0.22	J q	0.30	0.042	ng/g	☼	05/03/18 12:25	05/15/18 05:32	10
PCB-5	ND		0.15	0.034	ng/g	☼	05/03/18 12:25	05/15/18 05:32	10
PCB-6	0.049	J q	0.15	0.030	ng/g	☼	05/03/18 12:25	05/15/18 05:32	10
PCB-7	ND		0.15	0.031	ng/g	☼	05/03/18 12:25	05/15/18 05:32	10
PCB-8	0.17	J q	0.30	0.028	ng/g	☼	05/03/18 12:25	05/15/18 05:32	10
PCB-9	ND		0.15	0.031	ng/g	☼	05/03/18 12:25	05/15/18 05:32	10
PCB-10	ND		0.15	0.033	ng/g	☼	05/03/18 12:25	05/15/18 05:32	10
PCB-11	0.20	J B	0.30	0.029	ng/g	☼	05/03/18 12:25	05/15/18 05:32	10
PCB-12	0.036	J C q	0.30	0.030	ng/g	☼	05/03/18 12:25	05/15/18 05:32	10
PCB-13	0.036	J C12 q	0.30	0.030	ng/g	☼	05/03/18 12:25	05/15/18 05:32	10
PCB-14	ND		0.15	0.026	ng/g	☼	05/03/18 12:25	05/15/18 05:32	10
PCB-15	0.17	q	0.15	0.032	ng/g	☼	05/03/18 12:25	05/15/18 05:32	10
PCB-16	0.093	J	0.15	0.016	ng/g	☼	05/03/18 12:25	05/15/18 05:32	10
PCB-17	0.57		0.15	0.014	ng/g	☼	05/03/18 12:25	05/15/18 05:32	10
PCB-18	0.18	J C	0.30	0.012	ng/g	☼	05/03/18 12:25	05/15/18 05:32	10
PCB-19	0.47	q	0.15	0.017	ng/g	☼	05/03/18 12:25	05/15/18 05:32	10
PCB-20	0.51	C	0.30	0.0096	ng/g	☼	05/03/18 12:25	05/15/18 05:32	10
PCB-21	0.25	J C	0.30	0.0094	ng/g	☼	05/03/18 12:25	05/15/18 05:32	10
PCB-22	0.11	J	0.15	0.0098	ng/g	☼	05/03/18 12:25	05/15/18 05:32	10
PCB-23	ND		0.15	0.0097	ng/g	☼	05/03/18 12:25	05/15/18 05:32	10
PCB-24	ND		0.15	0.012	ng/g	☼	05/03/18 12:25	05/15/18 05:32	10
PCB-25	0.078	J q	0.15	0.0088	ng/g	☼	05/03/18 12:25	05/15/18 05:32	10
PCB-26	0.069	J C	0.30	0.0094	ng/g	☼	05/03/18 12:25	05/15/18 05:32	10
PCB-27	0.098	J	0.15	0.010	ng/g	☼	05/03/18 12:25	05/15/18 05:32	10
PCB-28	0.51	C20	0.30	0.0096	ng/g	☼	05/03/18 12:25	05/15/18 05:32	10
PCB-29	0.069	J C26	0.30	0.0094	ng/g	☼	05/03/18 12:25	05/15/18 05:32	10
PCB-30	0.18	J C18	0.30	0.012	ng/g	☼	05/03/18 12:25	05/15/18 05:32	10
PCB-31	0.32		0.30	0.0093	ng/g	☼	05/03/18 12:25	05/15/18 05:32	10
PCB-32	0.34		0.15	0.0098	ng/g	☼	05/03/18 12:25	05/15/18 05:32	10
PCB-33	0.25	J C21	0.30	0.0094	ng/g	☼	05/03/18 12:25	05/15/18 05:32	10
PCB-34	ND		0.15	0.010	ng/g	☼	05/03/18 12:25	05/15/18 05:32	10
PCB-35	ND		0.15	0.0098	ng/g	☼	05/03/18 12:25	05/15/18 05:32	10
PCB-36	ND		0.15	0.0095	ng/g	☼	05/03/18 12:25	05/15/18 05:32	10
PCB-37	0.13	J	0.15	0.0098	ng/g	☼	05/03/18 12:25	05/15/18 05:32	10
PCB-38	ND		0.15	0.010	ng/g	☼	05/03/18 12:25	05/15/18 05:32	10
PCB-39	ND		0.15	0.0091	ng/g	☼	05/03/18 12:25	05/15/18 05:32	10
PCB-40	0.97	C	0.46	0.052	ng/g	☼	05/03/18 12:25	05/15/18 05:32	10
PCB-41	0.97	C40	0.46	0.052	ng/g	☼	05/03/18 12:25	05/15/18 05:32	10
PCB-42	0.25	q	0.15	0.052	ng/g	☼	05/03/18 12:25	05/15/18 05:32	10
PCB-43	0.29	J C	0.30	0.049	ng/g	☼	05/03/18 12:25	05/15/18 05:32	10
PCB-44	7.5	C B	0.46	0.046	ng/g	☼	05/03/18 12:25	05/15/18 05:32	10
PCB-45	3.5	C	0.30	0.054	ng/g	☼	05/03/18 12:25	05/15/18 05:32	10
PCB-46	0.15	q	0.15	0.066	ng/g	☼	05/03/18 12:25	05/15/18 05:32	10
PCB-47	7.5	B C44	0.46	0.046	ng/g	☼	05/03/18 12:25	05/15/18 05:32	10
PCB-48	0.056	J q	0.15	0.052	ng/g	☼	05/03/18 12:25	05/15/18 05:32	10
PCB-49	2.7	C	0.30	0.042	ng/g	☼	05/03/18 12:25	05/15/18 05:32	10

Client Sample ID: PDI-SG-B280-BL1
Date Collected: 04/23/18 15:51
Date Received: 04/25/18 13:55

Lab Sample ID: 580-76830-12
Matrix: Solid
Percent Solids: 32.5

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-50	1.6	C	0.30	0.050	ng/g	☼	05/03/18 12:25	05/15/18 05:32	10
PCB-51	3.5	C45	0.30	0.054	ng/g	☼	05/03/18 12:25	05/15/18 05:32	10
PCB-52	3.3		0.15	0.051	ng/g	☼	05/03/18 12:25	05/15/18 05:32	10
PCB-53	1.6	C50	0.30	0.050	ng/g	☼	05/03/18 12:25	05/15/18 05:32	10
PCB-54	0.48		0.15	0.0059	ng/g	☼	05/03/18 12:25	05/15/18 05:32	10
PCB-55	ND		0.15	0.038	ng/g	☼	05/03/18 12:25	05/15/18 05:32	10
PCB-56	0.30		0.15	0.038	ng/g	☼	05/03/18 12:25	05/15/18 05:32	10
PCB-57	ND		0.15	0.038	ng/g	☼	05/03/18 12:25	05/15/18 05:32	10
PCB-58	0.043	J	0.15	0.039	ng/g	☼	05/03/18 12:25	05/15/18 05:32	10
PCB-59	0.23	J C q	0.46	0.037	ng/g	☼	05/03/18 12:25	05/15/18 05:32	10
PCB-60	0.096	J	0.15	0.039	ng/g	☼	05/03/18 12:25	05/15/18 05:32	10
PCB-61	2.0	C B	0.61	0.036	ng/g	☼	05/03/18 12:25	05/15/18 05:32	10
PCB-62	0.23	J C59 q	0.46	0.037	ng/g	☼	05/03/18 12:25	05/15/18 05:32	10
PCB-63	0.097	J	0.15	0.035	ng/g	☼	05/03/18 12:25	05/15/18 05:32	10
PCB-64	0.36		0.15	0.035	ng/g	☼	05/03/18 12:25	05/15/18 05:32	10
PCB-65	7.5	B C44	0.46	0.046	ng/g	☼	05/03/18 12:25	05/15/18 05:32	10
PCB-66	1.1		0.15	0.036	ng/g	☼	05/03/18 12:25	05/15/18 05:32	10
PCB-67	ND		0.15	0.033	ng/g	☼	05/03/18 12:25	05/15/18 05:32	10
PCB-68	0.12	J	0.15	0.034	ng/g	☼	05/03/18 12:25	05/15/18 05:32	10
PCB-69	2.7	C49	0.30	0.042	ng/g	☼	05/03/18 12:25	05/15/18 05:32	10
PCB-70	2.0	C61 B	0.61	0.036	ng/g	☼	05/03/18 12:25	05/15/18 05:32	10
PCB-71	0.97	C40	0.46	0.052	ng/g	☼	05/03/18 12:25	05/15/18 05:32	10
PCB-72	0.040	J q	0.15	0.038	ng/g	☼	05/03/18 12:25	05/15/18 05:32	10
PCB-73	0.29	J C43	0.30	0.049	ng/g	☼	05/03/18 12:25	05/15/18 05:32	10
PCB-74	2.0	C61 B	0.61	0.036	ng/g	☼	05/03/18 12:25	05/15/18 05:32	10
PCB-75	0.23	J C59 q	0.46	0.037	ng/g	☼	05/03/18 12:25	05/15/18 05:32	10
PCB-76	2.0	C61 B	0.61	0.036	ng/g	☼	05/03/18 12:25	05/15/18 05:32	10
PCB-77	0.093	J B q	0.15	0.038	ng/g	☼	05/03/18 12:25	05/15/18 05:32	10
PCB-78	ND		0.15	0.039	ng/g	☼	05/03/18 12:25	05/15/18 05:32	10
PCB-79	0.068	J	0.15	0.034	ng/g	☼	05/03/18 12:25	05/15/18 05:32	10
PCB-80	ND		0.15	0.033	ng/g	☼	05/03/18 12:25	05/15/18 05:32	10
PCB-81	ND		0.15	0.034	ng/g	☼	05/03/18 12:25	05/15/18 05:32	10
PCB-82	0.59		0.15	0.013	ng/g	☼	05/03/18 12:25	05/15/18 05:32	10
PCB-83	6.5	C	0.30	0.012	ng/g	☼	05/03/18 12:25	05/15/18 05:32	10
PCB-84	1.6	B	0.15	0.013	ng/g	☼	05/03/18 12:25	05/15/18 05:32	10
PCB-85	1.0	C	0.46	0.0097	ng/g	☼	05/03/18 12:25	05/15/18 05:32	10
PCB-86	4.6	C B	0.91	0.0097	ng/g	☼	05/03/18 12:25	05/15/18 05:32	10
PCB-87	4.6	B C86	0.91	0.0097	ng/g	☼	05/03/18 12:25	05/15/18 05:32	10
PCB-88	2.5	C	0.30	0.012	ng/g	☼	05/03/18 12:25	05/15/18 05:32	10
PCB-89	ND		0.15	0.013	ng/g	☼	05/03/18 12:25	05/15/18 05:32	10
PCB-90	10	C B	0.46	0.0099	ng/g	☼	05/03/18 12:25	05/15/18 05:32	10
PCB-91	2.5	C88	0.30	0.012	ng/g	☼	05/03/18 12:25	05/15/18 05:32	10
PCB-92	2.1		0.15	0.011	ng/g	☼	05/03/18 12:25	05/15/18 05:32	10
PCB-93	1.7	C	0.30	0.011	ng/g	☼	05/03/18 12:25	05/15/18 05:32	10
PCB-94	0.41		0.15	0.013	ng/g	☼	05/03/18 12:25	05/15/18 05:32	10
PCB-95	7.5	B	0.15	0.012	ng/g	☼	05/03/18 12:25	05/15/18 05:32	10
PCB-96	0.28		0.15	0.0097	ng/g	☼	05/03/18 12:25	05/15/18 05:32	10
PCB-97	4.6	B C86	0.91	0.0097	ng/g	☼	05/03/18 12:25	05/15/18 05:32	10
PCB-98	0.82	C	0.30	0.011	ng/g	☼	05/03/18 12:25	05/15/18 05:32	10

Client Sample ID: PDI-SG-B280-BL1
Date Collected: 04/23/18 15:51
Date Received: 04/25/18 13:55

Lab Sample ID: 580-76830-12
Matrix: Solid
Percent Solids: 32.5

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-99	6.5	C83	0.30	0.012	ng/g	☼	05/03/18 12:25	05/15/18 05:32	10
PCB-100	1.7	C93	0.30	0.011	ng/g	☼	05/03/18 12:25	05/15/18 05:32	10
PCB-101	10	B C90	0.46	0.0099	ng/g	☼	05/03/18 12:25	05/15/18 05:32	10
PCB-102	0.82	C98	0.30	0.011	ng/g	☼	05/03/18 12:25	05/15/18 05:32	10
PCB-103	0.70	q	0.15	0.011	ng/g	☼	05/03/18 12:25	05/15/18 05:32	10
PCB-104	0.13	J	0.15	0.0086	ng/g	☼	05/03/18 12:25	05/15/18 05:32	10
PCB-105	1.4	B	0.15	0.024	ng/g	☼	05/03/18 12:25	05/15/18 05:32	10
PCB-106	ND		0.15	0.023	ng/g	☼	05/03/18 12:25	05/15/18 05:32	10
PCB-107	0.51		0.15	0.025	ng/g	☼	05/03/18 12:25	05/15/18 05:32	10
PCB-108	0.17	J C	0.30	0.024	ng/g	☼	05/03/18 12:25	05/15/18 05:32	10
PCB-109	4.6	B C86	0.91	0.0097	ng/g	☼	05/03/18 12:25	05/15/18 05:32	10
PCB-110	7.5	C B	0.30	0.0082	ng/g	☼	05/03/18 12:25	05/15/18 05:32	10
PCB-111	0.066	J	0.15	0.0079	ng/g	☼	05/03/18 12:25	05/15/18 05:32	10
PCB-112	0.041	J q	0.15	0.0084	ng/g	☼	05/03/18 12:25	05/15/18 05:32	10
PCB-113	10	B C90	0.46	0.0099	ng/g	☼	05/03/18 12:25	05/15/18 05:32	10
PCB-114	0.097	J	0.15	0.023	ng/g	☼	05/03/18 12:25	05/15/18 05:32	10
PCB-115	7.5	B C110	0.30	0.0082	ng/g	☼	05/03/18 12:25	05/15/18 05:32	10
PCB-116	1.0	C85	0.46	0.0097	ng/g	☼	05/03/18 12:25	05/15/18 05:32	10
PCB-117	1.0	C85	0.46	0.0097	ng/g	☼	05/03/18 12:25	05/15/18 05:32	10
PCB-118	4.4	B	0.15	0.022	ng/g	☼	05/03/18 12:25	05/15/18 05:32	10
PCB-119	4.6	B C86	0.91	0.0097	ng/g	☼	05/03/18 12:25	05/15/18 05:32	10
PCB-120	0.18		0.15	0.0081	ng/g	☼	05/03/18 12:25	05/15/18 05:32	10
PCB-121	0.075	J q	0.15	0.0083	ng/g	☼	05/03/18 12:25	05/15/18 05:32	10
PCB-122	0.054	J q	0.15	0.027	ng/g	☼	05/03/18 12:25	05/15/18 05:32	10
PCB-123	0.080	J B	0.15	0.023	ng/g	☼	05/03/18 12:25	05/15/18 05:32	10
PCB-124	0.17	J C108	0.30	0.024	ng/g	☼	05/03/18 12:25	05/15/18 05:32	10
PCB-125	4.6	B C86	0.91	0.0097	ng/g	☼	05/03/18 12:25	05/15/18 05:32	10
PCB-126	ND		0.15	0.024	ng/g	☼	05/03/18 12:25	05/15/18 05:32	10
PCB-127	ND		0.15	0.023	ng/g	☼	05/03/18 12:25	05/15/18 05:32	10
PCB-128	1.8	C B	0.30	0.067	ng/g	☼	05/03/18 12:25	05/15/18 05:32	10
PCB-129	16	C B	0.61	0.069	ng/g	☼	05/03/18 12:25	05/15/18 05:32	10
PCB-130	0.76		0.15	0.092	ng/g	☼	05/03/18 12:25	05/15/18 05:32	10
PCB-131	0.16		0.15	0.095	ng/g	☼	05/03/18 12:25	05/15/18 05:32	10
PCB-132	4.9		0.15	0.089	ng/g	☼	05/03/18 12:25	05/15/18 05:32	10
PCB-133	0.36		0.15	0.087	ng/g	☼	05/03/18 12:25	05/15/18 05:32	10
PCB-134	1.1	C	0.30	0.090	ng/g	☼	05/03/18 12:25	05/15/18 05:32	10
PCB-135	6.3	C	0.30	0.012	ng/g	☼	05/03/18 12:25	05/15/18 05:32	10
PCB-136	3.1		0.15	0.0088	ng/g	☼	05/03/18 12:25	05/15/18 05:32	10
PCB-137	0.56		0.15	0.078	ng/g	☼	05/03/18 12:25	05/15/18 05:32	10
PCB-138	16	B C129	0.61	0.069	ng/g	☼	05/03/18 12:25	05/15/18 05:32	10
PCB-139	0.34	C q	0.30	0.077	ng/g	☼	05/03/18 12:25	05/15/18 05:32	10
PCB-140	0.34	C139 q	0.30	0.077	ng/g	☼	05/03/18 12:25	05/15/18 05:32	10
PCB-141	2.9		0.15	0.081	ng/g	☼	05/03/18 12:25	05/15/18 05:32	10
PCB-142	ND		0.15	0.086	ng/g	☼	05/03/18 12:25	05/15/18 05:32	10
PCB-143	1.1	C134	0.30	0.090	ng/g	☼	05/03/18 12:25	05/15/18 05:32	10
PCB-144	0.71		0.15	0.011	ng/g	☼	05/03/18 12:25	05/15/18 05:32	10
PCB-145	0.024	J q	0.15	0.0084	ng/g	☼	05/03/18 12:25	05/15/18 05:32	10
PCB-146	3.4		0.15	0.076	ng/g	☼	05/03/18 12:25	05/15/18 05:32	10
PCB-147	22	C	0.30	0.087	ng/g	☼	05/03/18 12:25	05/15/18 05:32	10

Client Sample ID: PDI-SG-B280-BL1
Date Collected: 04/23/18 15:51
Date Received: 04/25/18 13:55

Lab Sample ID: 580-76830-12
Matrix: Solid
Percent Solids: 32.5

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-148	0.28		0.15	0.012	ng/g	☼	05/03/18 12:25	05/15/18 05:32	10
PCB-149	22	C147	0.30	0.087	ng/g	☼	05/03/18 12:25	05/15/18 05:32	10
PCB-150	0.47		0.15	0.0080	ng/g	☼	05/03/18 12:25	05/15/18 05:32	10
PCB-151	6.3	C135	0.30	0.012	ng/g	☼	05/03/18 12:25	05/15/18 05:32	10
PCB-152	0.076	J q	0.15	0.0086	ng/g	☼	05/03/18 12:25	05/15/18 05:32	10
PCB-153	21	C	0.30	0.060	ng/g	☼	05/03/18 12:25	05/15/18 05:32	10
PCB-154	2.6		0.15	0.0095	ng/g	☼	05/03/18 12:25	05/15/18 05:32	10
PCB-155	0.060	J	0.15	0.0080	ng/g	☼	05/03/18 12:25	05/15/18 05:32	10
PCB-156	1.2	C B	0.30	0.073	ng/g	☼	05/03/18 12:25	05/15/18 05:32	10
PCB-157	1.2	C156 B	0.30	0.073	ng/g	☼	05/03/18 12:25	05/15/18 05:32	10
PCB-158	1.3		0.15	0.055	ng/g	☼	05/03/18 12:25	05/15/18 05:32	10
PCB-159	0.19		0.15	0.058	ng/g	☼	05/03/18 12:25	05/15/18 05:32	10
PCB-160	16	B C129	0.61	0.069	ng/g	☼	05/03/18 12:25	05/15/18 05:32	10
PCB-161	ND		0.15	0.057	ng/g	☼	05/03/18 12:25	05/15/18 05:32	10
PCB-162	ND		0.15	0.057	ng/g	☼	05/03/18 12:25	05/15/18 05:32	10
PCB-163	16	B C129	0.61	0.069	ng/g	☼	05/03/18 12:25	05/15/18 05:32	10
PCB-164	1.1		0.15	0.061	ng/g	☼	05/03/18 12:25	05/15/18 05:32	10
PCB-165	ND		0.15	0.065	ng/g	☼	05/03/18 12:25	05/15/18 05:32	10
PCB-166	1.8	C128 B	0.30	0.067	ng/g	☼	05/03/18 12:25	05/15/18 05:32	10
PCB-167	0.59		0.15	0.042	ng/g	☼	05/03/18 12:25	05/15/18 05:32	10
PCB-168	21	C153	0.30	0.060	ng/g	☼	05/03/18 12:25	05/15/18 05:32	10
PCB-169	ND		0.15	0.047	ng/g	☼	05/03/18 12:25	05/15/18 05:32	10
PCB-170	8.0		0.15	0.019	ng/g	☼	05/03/18 12:25	05/15/18 05:32	10
PCB-171	2.6	C	0.30	0.019	ng/g	☼	05/03/18 12:25	05/15/18 05:32	10
PCB-172	1.3		0.15	0.018	ng/g	☼	05/03/18 12:25	05/15/18 05:32	10
PCB-173	2.6	C171	0.30	0.019	ng/g	☼	05/03/18 12:25	05/15/18 05:32	10
PCB-174	7.0		0.15	0.017	ng/g	☼	05/03/18 12:25	05/15/18 05:32	10
PCB-175	0.31		0.15	0.017	ng/g	☼	05/03/18 12:25	05/15/18 05:32	10
PCB-176	1.0		0.15	0.013	ng/g	☼	05/03/18 12:25	05/15/18 05:32	10
PCB-177	5.7		0.15	0.018	ng/g	☼	05/03/18 12:25	05/15/18 05:32	10
PCB-178	1.9		0.15	0.018	ng/g	☼	05/03/18 12:25	05/15/18 05:32	10
PCB-179	3.6		0.15	0.013	ng/g	☼	05/03/18 12:25	05/15/18 05:32	10
PCB-180	20	C	0.30	0.014	ng/g	☼	05/03/18 12:25	05/15/18 05:32	10
PCB-181	0.091	J q	0.15	0.017	ng/g	☼	05/03/18 12:25	05/15/18 05:32	10
PCB-182	0.49		0.15	0.016	ng/g	☼	05/03/18 12:25	05/15/18 05:32	10
PCB-183	6.1	C	0.30	0.016	ng/g	☼	05/03/18 12:25	05/15/18 05:32	10
PCB-184	ND		0.15	0.014	ng/g	☼	05/03/18 12:25	05/15/18 05:32	10
PCB-185	6.1	C183	0.30	0.016	ng/g	☼	05/03/18 12:25	05/15/18 05:32	10
PCB-186	ND		0.15	0.013	ng/g	☼	05/03/18 12:25	05/15/18 05:32	10
PCB-187	15		0.15	0.016	ng/g	☼	05/03/18 12:25	05/15/18 05:32	10
PCB-188	0.20		0.15	0.012	ng/g	☼	05/03/18 12:25	05/15/18 05:32	10
PCB-189	0.42		0.15	0.024	ng/g	☼	05/03/18 12:25	05/15/18 05:32	10
PCB-190	1.9		0.15	0.012	ng/g	☼	05/03/18 12:25	05/15/18 05:32	10
PCB-191	0.49		0.15	0.013	ng/g	☼	05/03/18 12:25	05/15/18 05:32	10
PCB-192	ND		0.15	0.014	ng/g	☼	05/03/18 12:25	05/15/18 05:32	10
PCB-193	20	C180	0.30	0.014	ng/g	☼	05/03/18 12:25	05/15/18 05:32	10
PCB-194	8.0		0.15	0.045	ng/g	☼	05/03/18 12:25	05/15/18 05:32	10
PCB-195	3.5		0.15	0.050	ng/g	☼	05/03/18 12:25	05/15/18 05:32	10
PCB-196	4.3		0.15	0.023	ng/g	☼	05/03/18 12:25	05/15/18 05:32	10

Client Sample ID: PDI-SG-B280-BL1
Date Collected: 04/23/18 15:51
Date Received: 04/25/18 13:55

Lab Sample ID: 580-76830-12
Matrix: Solid
Percent Solids: 32.5

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-197	0.33	q	0.15	0.017	ng/g	☼	05/03/18 12:25	05/15/18 05:32	10
PCB-198	7.2	C B	0.30	0.023	ng/g	☼	05/03/18 12:25	05/15/18 05:32	10
PCB-199	7.2	C198 B	0.30	0.023	ng/g	☼	05/03/18 12:25	05/15/18 05:32	10
PCB-200	0.90		0.15	0.015	ng/g	☼	05/03/18 12:25	05/15/18 05:32	10
PCB-201	0.93		0.15	0.016	ng/g	☼	05/03/18 12:25	05/15/18 05:32	10
PCB-202	1.2		0.15	0.018	ng/g	☼	05/03/18 12:25	05/15/18 05:32	10
PCB-203	4.9		0.15	0.020	ng/g	☼	05/03/18 12:25	05/15/18 05:32	10
PCB-204	ND		0.15	0.017	ng/g	☼	05/03/18 12:25	05/15/18 05:32	10
PCB-205	0.57	B	0.15	0.038	ng/g	☼	05/03/18 12:25	05/15/18 05:32	10
PCB-206	2.0		0.15	0.033	ng/g	☼	05/03/18 12:25	05/15/18 05:32	10
PCB-207	0.33		0.15	0.027	ng/g	☼	05/03/18 12:25	05/15/18 05:32	10
PCB-208	0.46		0.15	0.030	ng/g	☼	05/03/18 12:25	05/15/18 05:32	10
PCB-209	0.36		0.15	0.018	ng/g	☼	05/03/18 12:25	05/15/18 05:32	10

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
PCB-1L	*82*		*30 - 140*	*05/03/18 12:25*	*05/15/18 05:32*	*10*
PCB-3L	*85*		*30 - 140*	*05/03/18 12:25*	*05/15/18 05:32*	*10*
PCB-4L	*76*		*30 - 140*	*05/03/18 12:25*	*05/15/18 05:32*	*10*
PCB-15L	*74*		*30 - 140*	*05/03/18 12:25*	*05/15/18 05:32*	*10*
PCB-19L	*104*		*30 - 140*	*05/03/18 12:25*	*05/15/18 05:32*	*10*
PCB-37L	*83*		*30 - 140*	*05/03/18 12:25*	*05/15/18 05:32*	*10*
PCB-54L	*99*		*30 - 140*	*05/03/18 12:25*	*05/15/18 05:32*	*10*
PCB-77L	*83*		*30 - 140*	*05/03/18 12:25*	*05/15/18 05:32*	*10*
PCB-81L	*82*		*30 - 140*	*05/03/18 12:25*	*05/15/18 05:32*	*10*
PCB-104L	*80*		*30 - 140*	*05/03/18 12:25*	*05/15/18 05:32*	*10*
PCB-105L	*91*		*30 - 140*	*05/03/18 12:25*	*05/15/18 05:32*	*10*
PCB-114L	*93*		*30 - 140*	*05/03/18 12:25*	*05/15/18 05:32*	*10*
PCB-118L	*91*		*30 - 140*	*05/03/18 12:25*	*05/15/18 05:32*	*10*
PCB-123L	*93*		*30 - 140*	*05/03/18 12:25*	*05/15/18 05:32*	*10*
PCB-126L	*88*		*30 - 140*	*05/03/18 12:25*	*05/15/18 05:32*	*10*
PCB-155L	*85*		*30 - 140*	*05/03/18 12:25*	*05/15/18 05:32*	*10*
PCB-156L	*84*	*C*	*30 - 140*	*05/03/18 12:25*	*05/15/18 05:32*	*10*
PCB-157L	*84*	*C156*	*30 - 140*	*05/03/18 12:25*	*05/15/18 05:32*	*10*
PCB-167L	*87*		*30 - 140*	*05/03/18 12:25*	*05/15/18 05:32*	*10*
PCB-169L	*90*		*30 - 140*	*05/03/18 12:25*	*05/15/18 05:32*	*10*
PCB-170L	*85*		*30 - 140*	*05/03/18 12:25*	*05/15/18 05:32*	*10*
PCB-188L	*88*		*30 - 140*	*05/03/18 12:25*	*05/15/18 05:32*	*10*
PCB-189L	*88*		*30 - 140*	*05/03/18 12:25*	*05/15/18 05:32*	*10*
PCB-202L	*85*		*30 - 140*	*05/03/18 12:25*	*05/15/18 05:32*	*10*
PCB-205L	*76*		*30 - 140*	*05/03/18 12:25*	*05/15/18 05:32*	*10*
PCB-206L	*82*		*30 - 140*	*05/03/18 12:25*	*05/15/18 05:32*	*10*
PCB-208L	*74*		*30 - 140*	*05/03/18 12:25*	*05/15/18 05:32*	*10*
PCB-209L	*68*	*q*	*30 - 140*	*05/03/18 12:25*	*05/15/18 05:32*	*10*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
PCB-28L	*90*		*40 - 125*	*05/03/18 12:25*	*05/15/18 05:32*	*10*
PCB-111L	*96*		*40 - 125*	*05/03/18 12:25*	*05/15/18 05:32*	*10*
PCB-178L	*89*		*40 - 125*	*05/03/18 12:25*	*05/15/18 05:32*	*10*

Client Sample ID: PDI-SG-B260-BL1
Date Collected: 04/23/18 17:24
Date Received: 04/25/18 13:55

Lab Sample ID: 580-76830-13
Matrix: Solid
Percent Solids: 48.0

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1	0.40		0.10	0.0029	ng/g	☼	05/03/18 12:25	05/15/18 06:34	10
PCB-2	0.057	J B	0.10	0.0032	ng/g	☼	05/03/18 12:25	05/15/18 06:34	10
PCB-3	0.17		0.10	0.0035	ng/g	☼	05/03/18 12:25	05/15/18 06:34	10
PCB-4	0.17	J q	0.20	0.031	ng/g	☼	05/03/18 12:25	05/15/18 06:34	10
PCB-5	ND		0.10	0.025	ng/g	☼	05/03/18 12:25	05/15/18 06:34	10
PCB-6	0.094	J q	0.10	0.022	ng/g	☼	05/03/18 12:25	05/15/18 06:34	10
PCB-7	0.030	J q	0.10	0.022	ng/g	☼	05/03/18 12:25	05/15/18 06:34	10
PCB-8	0.33		0.20	0.020	ng/g	☼	05/03/18 12:25	05/15/18 06:34	10
PCB-9	0.040	J q	0.10	0.023	ng/g	☼	05/03/18 12:25	05/15/18 06:34	10
PCB-10	ND		0.10	0.024	ng/g	☼	05/03/18 12:25	05/15/18 06:34	10
PCB-11	0.071	J q B	0.20	0.021	ng/g	☼	05/03/18 12:25	05/15/18 06:34	10
PCB-12	0.049	J q C	0.20	0.022	ng/g	☼	05/03/18 12:25	05/15/18 06:34	10
PCB-13	0.049	J q C12	0.20	0.022	ng/g	☼	05/03/18 12:25	05/15/18 06:34	10
PCB-14	ND		0.10	0.019	ng/g	☼	05/03/18 12:25	05/15/18 06:34	10
PCB-15	0.12	q	0.10	0.023	ng/g	☼	05/03/18 12:25	05/15/18 06:34	10
PCB-16	0.11	q	0.10	0.0031	ng/g	☼	05/03/18 12:25	05/15/18 06:34	10
PCB-17	0.24	q	0.10	0.0028	ng/g	☼	05/03/18 12:25	05/15/18 06:34	10
PCB-18	0.38	C	0.20	0.0024	ng/g	☼	05/03/18 12:25	05/15/18 06:34	10
PCB-19	0.048	J q	0.10	0.0034	ng/g	☼	05/03/18 12:25	05/15/18 06:34	10
PCB-20	0.79	C	0.20	0.0059	ng/g	☼	05/03/18 12:25	05/15/18 06:34	10
PCB-21	0.35	C	0.20	0.0058	ng/g	☼	05/03/18 12:25	05/15/18 06:34	10
PCB-22	0.15		0.10	0.0060	ng/g	☼	05/03/18 12:25	05/15/18 06:34	10
PCB-23	ND		0.10	0.0060	ng/g	☼	05/03/18 12:25	05/15/18 06:34	10
PCB-24	ND		0.10	0.0023	ng/g	☼	05/03/18 12:25	05/15/18 06:34	10
PCB-25	0.056	J q	0.10	0.0054	ng/g	☼	05/03/18 12:25	05/15/18 06:34	10
PCB-26	0.11	J C	0.20	0.0058	ng/g	☼	05/03/18 12:25	05/15/18 06:34	10
PCB-27	0.028	J q	0.10	0.0020	ng/g	☼	05/03/18 12:25	05/15/18 06:34	10
PCB-28	0.79	C20	0.20	0.0059	ng/g	☼	05/03/18 12:25	05/15/18 06:34	10
PCB-29	0.11	J C26	0.20	0.0058	ng/g	☼	05/03/18 12:25	05/15/18 06:34	10
PCB-30	0.38	C18	0.20	0.0024	ng/g	☼	05/03/18 12:25	05/15/18 06:34	10
PCB-31	0.53		0.20	0.0057	ng/g	☼	05/03/18 12:25	05/15/18 06:34	10
PCB-32	0.15	q	0.10	0.0019	ng/g	☼	05/03/18 12:25	05/15/18 06:34	10
PCB-33	0.35	C21	0.20	0.0058	ng/g	☼	05/03/18 12:25	05/15/18 06:34	10
PCB-34	ND		0.10	0.0062	ng/g	☼	05/03/18 12:25	05/15/18 06:34	10
PCB-35	0.011	J	0.10	0.0060	ng/g	☼	05/03/18 12:25	05/15/18 06:34	10
PCB-36	ND		0.10	0.0058	ng/g	☼	05/03/18 12:25	05/15/18 06:34	10
PCB-37	0.15		0.10	0.0060	ng/g	☼	05/03/18 12:25	05/15/18 06:34	10
PCB-38	ND		0.10	0.0063	ng/g	☼	05/03/18 12:25	05/15/18 06:34	10
PCB-39	ND		0.10	0.0056	ng/g	☼	05/03/18 12:25	05/15/18 06:34	10
PCB-40	0.73	C	0.30	0.022	ng/g	☼	05/03/18 12:25	05/15/18 06:34	10
PCB-41	0.73	C40	0.30	0.022	ng/g	☼	05/03/18 12:25	05/15/18 06:34	10
PCB-42	0.44		0.10	0.022	ng/g	☼	05/03/18 12:25	05/15/18 06:34	10
PCB-43	ND	C	0.20	0.020	ng/g	☼	05/03/18 12:25	05/15/18 06:34	10
PCB-44	2.7	C B	0.30	0.019	ng/g	☼	05/03/18 12:25	05/15/18 06:34	10
PCB-45	0.23	C	0.20	0.023	ng/g	☼	05/03/18 12:25	05/15/18 06:34	10
PCB-46	ND		0.10	0.028	ng/g	☼	05/03/18 12:25	05/15/18 06:34	10
PCB-47	2.7	C44 B	0.30	0.019	ng/g	☼	05/03/18 12:25	05/15/18 06:34	10
PCB-48	0.11	q	0.10	0.022	ng/g	☼	05/03/18 12:25	05/15/18 06:34	10
PCB-49	2.2	C	0.20	0.018	ng/g	☼	05/03/18 12:25	05/15/18 06:34	10

Client Sample ID: PDI-SG-B260-BL1
Date Collected: 04/23/18 17:24
Date Received: 04/25/18 13:55

Lab Sample ID: 580-76830-13
Matrix: Solid
Percent Solids: 48.0

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-50	0.27	C	0.20	0.021	ng/g	☼	05/03/18 12:25	05/15/18 06:34	10
PCB-51	0.23	C45	0.20	0.023	ng/g	☼	05/03/18 12:25	05/15/18 06:34	10
PCB-52	5.0		0.10	0.022	ng/g	☼	05/03/18 12:25	05/15/18 06:34	10
PCB-53	0.27	C50	0.20	0.021	ng/g	☼	05/03/18 12:25	05/15/18 06:34	10
PCB-54	0.0075	J q	0.10	0.00023	ng/g	☼	05/03/18 12:25	05/15/18 06:34	10
PCB-55	0.034	J	0.10	0.016	ng/g	☼	05/03/18 12:25	05/15/18 06:34	10
PCB-56	0.60		0.10	0.016	ng/g	☼	05/03/18 12:25	05/15/18 06:34	10
PCB-57	ND		0.10	0.016	ng/g	☼	05/03/18 12:25	05/15/18 06:34	10
PCB-58	0.023	J q	0.10	0.016	ng/g	☼	05/03/18 12:25	05/15/18 06:34	10
PCB-59	0.11	J C	0.30	0.015	ng/g	☼	05/03/18 12:25	05/15/18 06:34	10
PCB-60	0.13	q	0.10	0.016	ng/g	☼	05/03/18 12:25	05/15/18 06:34	10
PCB-61	4.3	C B	0.41	0.015	ng/g	☼	05/03/18 12:25	05/15/18 06:34	10
PCB-62	0.11	J C59	0.30	0.015	ng/g	☼	05/03/18 12:25	05/15/18 06:34	10
PCB-63	0.055	J	0.10	0.015	ng/g	☼	05/03/18 12:25	05/15/18 06:34	10
PCB-64	0.64		0.10	0.015	ng/g	☼	05/03/18 12:25	05/15/18 06:34	10
PCB-65	2.7	C44 B	0.30	0.019	ng/g	☼	05/03/18 12:25	05/15/18 06:34	10
PCB-66	2.1		0.10	0.015	ng/g	☼	05/03/18 12:25	05/15/18 06:34	10
PCB-67	0.034	J	0.10	0.014	ng/g	☼	05/03/18 12:25	05/15/18 06:34	10
PCB-68	0.048	J q	0.10	0.014	ng/g	☼	05/03/18 12:25	05/15/18 06:34	10
PCB-69	2.2	C49	0.20	0.018	ng/g	☼	05/03/18 12:25	05/15/18 06:34	10
PCB-70	4.3	C61 B	0.41	0.015	ng/g	☼	05/03/18 12:25	05/15/18 06:34	10
PCB-71	0.73	C40	0.30	0.022	ng/g	☼	05/03/18 12:25	05/15/18 06:34	10
PCB-72	0.066	J q	0.10	0.016	ng/g	☼	05/03/18 12:25	05/15/18 06:34	10
PCB-73	ND	C43	0.20	0.020	ng/g	☼	05/03/18 12:25	05/15/18 06:34	10
PCB-74	4.3	C61 B	0.41	0.015	ng/g	☼	05/03/18 12:25	05/15/18 06:34	10
PCB-75	0.11	J C59	0.30	0.015	ng/g	☼	05/03/18 12:25	05/15/18 06:34	10
PCB-76	4.3	C61 B	0.41	0.015	ng/g	☼	05/03/18 12:25	05/15/18 06:34	10
PCB-77	0.12	B	0.10	0.016	ng/g	☼	05/03/18 12:25	05/15/18 06:34	10
PCB-78	ND		0.10	0.016	ng/g	☼	05/03/18 12:25	05/15/18 06:34	10
PCB-79	0.056	J q	0.10	0.014	ng/g	☼	05/03/18 12:25	05/15/18 06:34	10
PCB-80	ND	I	0.10	0.014	ng/g	☼	05/03/18 12:25	05/15/18 06:34	10
PCB-81	ND		0.10	0.014	ng/g	☼	05/03/18 12:25	05/15/18 06:34	10
PCB-82	0.65	q	0.10	0.0043	ng/g	☼	05/03/18 12:25	05/15/18 06:34	10
PCB-83	5.7	C	0.20	0.0040	ng/g	☼	05/03/18 12:25	05/15/18 06:34	10
PCB-84	2.2	B	0.10	0.0044	ng/g	☼	05/03/18 12:25	05/15/18 06:34	10
PCB-85	1.2	C	0.30	0.0032	ng/g	☼	05/03/18 12:25	05/15/18 06:34	10
PCB-86	5.2	C B	0.61	0.0032	ng/g	☼	05/03/18 12:25	05/15/18 06:34	10
PCB-87	5.2	C86 B	0.61	0.0032	ng/g	☼	05/03/18 12:25	05/15/18 06:34	10
PCB-88	1.5	C	0.20	0.0039	ng/g	☼	05/03/18 12:25	05/15/18 06:34	10
PCB-89	ND		0.10	0.0043	ng/g	☼	05/03/18 12:25	05/15/18 06:34	10
PCB-90	10	C B	0.30	0.0033	ng/g	☼	05/03/18 12:25	05/15/18 06:34	10
PCB-91	1.5	C88	0.20	0.0039	ng/g	☼	05/03/18 12:25	05/15/18 06:34	10
PCB-92	1.9		0.10	0.0037	ng/g	☼	05/03/18 12:25	05/15/18 06:34	10
PCB-93	0.14	J q C	0.20	0.0038	ng/g	☼	05/03/18 12:25	05/15/18 06:34	10
PCB-94	ND		0.10	0.0043	ng/g	☼	05/03/18 12:25	05/15/18 06:34	10
PCB-95	8.2	B	0.10	0.0041	ng/g	☼	05/03/18 12:25	05/15/18 06:34	10
PCB-96	ND		0.10	0.0032	ng/g	☼	05/03/18 12:25	05/15/18 06:34	10
PCB-97	5.2	C86 B	0.61	0.0032	ng/g	☼	05/03/18 12:25	05/15/18 06:34	10
PCB-98	0.20	q C	0.20	0.0037	ng/g	☼	05/03/18 12:25	05/15/18 06:34	10

Client Sample ID: PDI-SG-B260-BL1
Date Collected: 04/23/18 17:24
Date Received: 04/25/18 13:55

Lab Sample ID: 580-76830-13
Matrix: Solid
Percent Solids: 48.0

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-99	5.7	C83	0.20	0.0040	ng/g	☼	05/03/18 12:25	05/15/18 06:34	10
PCB-100	0.14	J q C93	0.20	0.0038	ng/g	☼	05/03/18 12:25	05/15/18 06:34	10
PCB-101	10	C90 B	0.30	0.0033	ng/g	☼	05/03/18 12:25	05/15/18 06:34	10
PCB-102	0.20	q C98	0.20	0.0037	ng/g	☼	05/03/18 12:25	05/15/18 06:34	10
PCB-103	0.20		0.10	0.0038	ng/g	☼	05/03/18 12:25	05/15/18 06:34	10
PCB-104	ND		0.10	0.0029	ng/g	☼	05/03/18 12:25	05/15/18 06:34	10
PCB-105	1.8	B	0.10	0.013	ng/g	☼	05/03/18 12:25	05/15/18 06:34	10
PCB-106	ND		0.10	0.013	ng/g	☼	05/03/18 12:25	05/15/18 06:34	10
PCB-107	0.62		0.10	0.014	ng/g	☼	05/03/18 12:25	05/15/18 06:34	10
PCB-108	0.19	J q C	0.20	0.013	ng/g	☼	05/03/18 12:25	05/15/18 06:34	10
PCB-109	5.2	C86 B	0.61	0.0032	ng/g	☼	05/03/18 12:25	05/15/18 06:34	10
PCB-110	11	C B	0.20	0.0027	ng/g	☼	05/03/18 12:25	05/15/18 06:34	10
PCB-111	ND		0.10	0.0026	ng/g	☼	05/03/18 12:25	05/15/18 06:34	10
PCB-112	0.020	J q	0.10	0.0028	ng/g	☼	05/03/18 12:25	05/15/18 06:34	10
PCB-113	10	C90 B	0.30	0.0033	ng/g	☼	05/03/18 12:25	05/15/18 06:34	10
PCB-114	0.080	J q	0.10	0.012	ng/g	☼	05/03/18 12:25	05/15/18 06:34	10
PCB-115	11	C110 B	0.20	0.0027	ng/g	☼	05/03/18 12:25	05/15/18 06:34	10
PCB-116	1.2	C85	0.30	0.0032	ng/g	☼	05/03/18 12:25	05/15/18 06:34	10
PCB-117	1.2	C85	0.30	0.0032	ng/g	☼	05/03/18 12:25	05/15/18 06:34	10
PCB-118	6.4	B	0.10	0.012	ng/g	☼	05/03/18 12:25	05/15/18 06:34	10
PCB-119	5.2	C86 B	0.61	0.0032	ng/g	☼	05/03/18 12:25	05/15/18 06:34	10
PCB-120	0.076	J	0.10	0.0027	ng/g	☼	05/03/18 12:25	05/15/18 06:34	10
PCB-121	ND		0.10	0.0028	ng/g	☼	05/03/18 12:25	05/15/18 06:34	10
PCB-122	0.069	J q	0.10	0.015	ng/g	☼	05/03/18 12:25	05/15/18 06:34	10
PCB-123	0.068	J q B	0.10	0.013	ng/g	☼	05/03/18 12:25	05/15/18 06:34	10
PCB-124	0.19	J q C108	0.20	0.013	ng/g	☼	05/03/18 12:25	05/15/18 06:34	10
PCB-125	5.2	C86 B	0.61	0.0032	ng/g	☼	05/03/18 12:25	05/15/18 06:34	10
PCB-126	0.022	J q B	0.10	0.013	ng/g	☼	05/03/18 12:25	05/15/18 06:34	10
PCB-127	ND		0.10	0.013	ng/g	☼	05/03/18 12:25	05/15/18 06:34	10
PCB-128	1.4	C B	0.20	0.018	ng/g	☼	05/03/18 12:25	05/15/18 06:34	10
PCB-129	10	C B	0.41	0.019	ng/g	☼	05/03/18 12:25	05/15/18 06:34	10
PCB-130	0.71		0.10	0.025	ng/g	☼	05/03/18 12:25	05/15/18 06:34	10
PCB-131	0.14	q	0.10	0.026	ng/g	☼	05/03/18 12:25	05/15/18 06:34	10
PCB-132	3.4		0.10	0.025	ng/g	☼	05/03/18 12:25	05/15/18 06:34	10
PCB-133	0.24		0.10	0.024	ng/g	☼	05/03/18 12:25	05/15/18 06:34	10
PCB-134	0.58	C	0.20	0.025	ng/g	☼	05/03/18 12:25	05/15/18 06:34	10
PCB-135	3.6	C	0.20	0.0052	ng/g	☼	05/03/18 12:25	05/15/18 06:34	10
PCB-136	1.6		0.10	0.0038	ng/g	☼	05/03/18 12:25	05/15/18 06:34	10
PCB-137	0.43		0.10	0.021	ng/g	☼	05/03/18 12:25	05/15/18 06:34	10
PCB-138	10	C129 B	0.41	0.019	ng/g	☼	05/03/18 12:25	05/15/18 06:34	10
PCB-139	0.20	C	0.20	0.021	ng/g	☼	05/03/18 12:25	05/15/18 06:34	10
PCB-140	0.20	C139	0.20	0.021	ng/g	☼	05/03/18 12:25	05/15/18 06:34	10
PCB-141	1.6		0.10	0.022	ng/g	☼	05/03/18 12:25	05/15/18 06:34	10
PCB-142	ND		0.10	0.024	ng/g	☼	05/03/18 12:25	05/15/18 06:34	10
PCB-143	0.58	C134	0.20	0.025	ng/g	☼	05/03/18 12:25	05/15/18 06:34	10
PCB-144	0.35		0.10	0.0047	ng/g	☼	05/03/18 12:25	05/15/18 06:34	10
PCB-145	ND		0.10	0.0036	ng/g	☼	05/03/18 12:25	05/15/18 06:34	10
PCB-146	2.2		0.10	0.021	ng/g	☼	05/03/18 12:25	05/15/18 06:34	10
PCB-147	10	C	0.20	0.024	ng/g	☼	05/03/18 12:25	05/15/18 06:34	10

Client Sample ID: PDI-SG-B260-BL1
Date Collected: 04/23/18 17:24
Date Received: 04/25/18 13:55

Lab Sample ID: 580-76830-13
Matrix: Solid
Percent Solids: 48.0

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-148	0.045	J q	0.10	0.0050	ng/g	☼	05/03/18 12:25	05/15/18 06:34	10
PCB-149	10	C147	0.20	0.024	ng/g	☼	05/03/18 12:25	05/15/18 06:34	10
PCB-150	0.029	J q	0.10	0.0034	ng/g	☼	05/03/18 12:25	05/15/18 06:34	10
PCB-151	3.6	C135	0.20	0.0052	ng/g	☼	05/03/18 12:25	05/15/18 06:34	10
PCB-152	ND		0.10	0.0037	ng/g	☼	05/03/18 12:25	05/15/18 06:34	10
PCB-153	8.9	C	0.20	0.017	ng/g	☼	05/03/18 12:25	05/15/18 06:34	10
PCB-154	0.30		0.10	0.0041	ng/g	☼	05/03/18 12:25	05/15/18 06:34	10
PCB-155	ND		0.10	0.0034	ng/g	☼	05/03/18 12:25	05/15/18 06:34	10
PCB-156	1.1	C B	0.20	0.021	ng/g	☼	05/03/18 12:25	05/15/18 06:34	10
PCB-157	1.1	C156 B	0.20	0.021	ng/g	☼	05/03/18 12:25	05/15/18 06:34	10
PCB-158	0.78		0.10	0.015	ng/g	☼	05/03/18 12:25	05/15/18 06:34	10
PCB-159	ND		0.10	0.016	ng/g	☼	05/03/18 12:25	05/15/18 06:34	10
PCB-160	10	C129 B	0.41	0.019	ng/g	☼	05/03/18 12:25	05/15/18 06:34	10
PCB-161	ND		0.10	0.016	ng/g	☼	05/03/18 12:25	05/15/18 06:34	10
PCB-162	ND		0.10	0.016	ng/g	☼	05/03/18 12:25	05/15/18 06:34	10
PCB-163	10	C129 B	0.41	0.019	ng/g	☼	05/03/18 12:25	05/15/18 06:34	10
PCB-164	0.68		0.10	0.017	ng/g	☼	05/03/18 12:25	05/15/18 06:34	10
PCB-165	ND		0.10	0.018	ng/g	☼	05/03/18 12:25	05/15/18 06:34	10
PCB-166	1.4	C128 B	0.20	0.018	ng/g	☼	05/03/18 12:25	05/15/18 06:34	10
PCB-167	0.33		0.10	0.012	ng/g	☼	05/03/18 12:25	05/15/18 06:34	10
PCB-168	8.9	C153	0.20	0.017	ng/g	☼	05/03/18 12:25	05/15/18 06:34	10
PCB-169	ND		0.10	0.012	ng/g	☼	05/03/18 12:25	05/15/18 06:34	10
PCB-170	2.7		0.10	0.012	ng/g	☼	05/03/18 12:25	05/15/18 06:34	10
PCB-171	0.80	C	0.20	0.011	ng/g	☼	05/03/18 12:25	05/15/18 06:34	10
PCB-172	0.43		0.10	0.011	ng/g	☼	05/03/18 12:25	05/15/18 06:34	10
PCB-173	0.80	C171	0.20	0.011	ng/g	☼	05/03/18 12:25	05/15/18 06:34	10
PCB-174	2.4		0.10	0.010	ng/g	☼	05/03/18 12:25	05/15/18 06:34	10
PCB-175	0.10		0.10	0.0099	ng/g	☼	05/03/18 12:25	05/15/18 06:34	10
PCB-176	0.34		0.10	0.0075	ng/g	☼	05/03/18 12:25	05/15/18 06:34	10
PCB-177	1.5		0.10	0.011	ng/g	☼	05/03/18 12:25	05/15/18 06:34	10
PCB-178	0.58		0.10	0.011	ng/g	☼	05/03/18 12:25	05/15/18 06:34	10
PCB-179	1.1		0.10	0.0079	ng/g	☼	05/03/18 12:25	05/15/18 06:34	10
PCB-180	5.5	C	0.20	0.0083	ng/g	☼	05/03/18 12:25	05/15/18 06:34	10
PCB-181	ND		0.10	0.0099	ng/g	☼	05/03/18 12:25	05/15/18 06:34	10
PCB-182	0.045	J	0.10	0.0095	ng/g	☼	05/03/18 12:25	05/15/18 06:34	10
PCB-183	1.8	C	0.20	0.0097	ng/g	☼	05/03/18 12:25	05/15/18 06:34	10
PCB-184	ND		0.10	0.0081	ng/g	☼	05/03/18 12:25	05/15/18 06:34	10
PCB-185	1.8	C183	0.20	0.0097	ng/g	☼	05/03/18 12:25	05/15/18 06:34	10
PCB-186	ND		0.10	0.0079	ng/g	☼	05/03/18 12:25	05/15/18 06:34	10
PCB-187	3.1		0.10	0.0092	ng/g	☼	05/03/18 12:25	05/15/18 06:34	10
PCB-188	ND		0.10	0.0067	ng/g	☼	05/03/18 12:25	05/15/18 06:34	10
PCB-189	0.078	J	0.10	0.012	ng/g	☼	05/03/18 12:25	05/15/18 06:34	10
PCB-190	0.45		0.10	0.0071	ng/g	☼	05/03/18 12:25	05/15/18 06:34	10
PCB-191	0.067	J q	0.10	0.0074	ng/g	☼	05/03/18 12:25	05/15/18 06:34	10
PCB-192	ND		0.10	0.0083	ng/g	☼	05/03/18 12:25	05/15/18 06:34	10
PCB-193	5.5	C180	0.20	0.0083	ng/g	☼	05/03/18 12:25	05/15/18 06:34	10
PCB-194	1.2		0.10	0.020	ng/g	☼	05/03/18 12:25	05/15/18 06:34	10
PCB-195	0.49		0.10	0.022	ng/g	☼	05/03/18 12:25	05/15/18 06:34	10
PCB-196	0.69		0.10	0.0076	ng/g	☼	05/03/18 12:25	05/15/18 06:34	10

Client Sample ID: PDI-SG-B260-BL1
Date Collected: 04/23/18 17:24
Date Received: 04/25/18 13:55

Lab Sample ID: 580-76830-13
Matrix: Solid
Percent Solids: 48.0

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-197	0.061	J	0.10	0.0058	ng/g	☼	05/03/18 12:25	05/15/18 06:34	10
PCB-198	1.4	C B	0.20	0.0077	ng/g	☼	05/03/18 12:25	05/15/18 06:34	10
PCB-199	1.4	C198 B	0.20	0.0077	ng/g	☼	05/03/18 12:25	05/15/18 06:34	10
PCB-200	0.15		0.10	0.0052	ng/g	☼	05/03/18 12:25	05/15/18 06:34	10
PCB-201	0.15		0.10	0.0053	ng/g	☼	05/03/18 12:25	05/15/18 06:34	10
PCB-202	0.25		0.10	0.0060	ng/g	☼	05/03/18 12:25	05/15/18 06:34	10
PCB-203	0.85		0.10	0.0069	ng/g	☼	05/03/18 12:25	05/15/18 06:34	10
PCB-204	ND		0.10	0.0058	ng/g	☼	05/03/18 12:25	05/15/18 06:34	10
PCB-205	0.068	J B	0.10	0.017	ng/g	☼	05/03/18 12:25	05/15/18 06:34	10
PCB-206	0.71		0.10	0.019	ng/g	☼	05/03/18 12:25	05/15/18 06:34	10
PCB-207	0.089	J	0.10	0.015	ng/g	☼	05/03/18 12:25	05/15/18 06:34	10
PCB-208	0.23		0.10	0.016	ng/g	☼	05/03/18 12:25	05/15/18 06:34	10
PCB-209	0.87		0.10	0.0075	ng/g	☼	05/03/18 12:25	05/15/18 06:34	10

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
PCB-1L	*80*		*30 - 140*	*05/03/18 12:25*	*05/15/18 06:34*	*10*
PCB-3L	*81*		*30 - 140*	*05/03/18 12:25*	*05/15/18 06:34*	*10*
PCB-4L	*67*	*q*	*30 - 140*	*05/03/18 12:25*	*05/15/18 06:34*	*10*
PCB-15L	*77*		*30 - 140*	*05/03/18 12:25*	*05/15/18 06:34*	*10*
PCB-19L	*85*		*30 - 140*	*05/03/18 12:25*	*05/15/18 06:34*	*10*
PCB-37L	*89*		*30 - 140*	*05/03/18 12:25*	*05/15/18 06:34*	*10*
PCB-54L	*87*		*30 - 140*	*05/03/18 12:25*	*05/15/18 06:34*	*10*
PCB-77L	*83*		*30 - 140*	*05/03/18 12:25*	*05/15/18 06:34*	*10*
PCB-81L	*85*		*30 - 140*	*05/03/18 12:25*	*05/15/18 06:34*	*10*
PCB-104L	*79*		*30 - 140*	*05/03/18 12:25*	*05/15/18 06:34*	*10*
PCB-105L	*88*		*30 - 140*	*05/03/18 12:25*	*05/15/18 06:34*	*10*
PCB-114L	*89*		*30 - 140*	*05/03/18 12:25*	*05/15/18 06:34*	*10*
PCB-118L	*86*		*30 - 140*	*05/03/18 12:25*	*05/15/18 06:34*	*10*
PCB-123L	*85*		*30 - 140*	*05/03/18 12:25*	*05/15/18 06:34*	*10*
PCB-126L	*85*		*30 - 140*	*05/03/18 12:25*	*05/15/18 06:34*	*10*
PCB-155L	*81*		*30 - 140*	*05/03/18 12:25*	*05/15/18 06:34*	*10*
PCB-156L	*85*	*C*	*30 - 140*	*05/03/18 12:25*	*05/15/18 06:34*	*10*
PCB-157L	*85*	*C156*	*30 - 140*	*05/03/18 12:25*	*05/15/18 06:34*	*10*
PCB-167L	*89*		*30 - 140*	*05/03/18 12:25*	*05/15/18 06:34*	*10*
PCB-169L	*91*		*30 - 140*	*05/03/18 12:25*	*05/15/18 06:34*	*10*
PCB-170L	*76*		*30 - 140*	*05/03/18 12:25*	*05/15/18 06:34*	*10*
PCB-188L	*86*		*30 - 140*	*05/03/18 12:25*	*05/15/18 06:34*	*10*
PCB-189L	*85*		*30 - 140*	*05/03/18 12:25*	*05/15/18 06:34*	*10*
PCB-202L	*80*		*30 - 140*	*05/03/18 12:25*	*05/15/18 06:34*	*10*
PCB-205L	*70*		*30 - 140*	*05/03/18 12:25*	*05/15/18 06:34*	*10*
PCB-206L	*74*		*30 - 140*	*05/03/18 12:25*	*05/15/18 06:34*	*10*
PCB-208L	*71*		*30 - 140*	*05/03/18 12:25*	*05/15/18 06:34*	*10*
PCB-209L	*66*		*30 - 140*	*05/03/18 12:25*	*05/15/18 06:34*	*10*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
PCB-28L	*96*		*40 - 125*	*05/03/18 12:25*	*05/15/18 06:34*	*10*
PCB-111L	*97*		*40 - 125*	*05/03/18 12:25*	*05/15/18 06:34*	*10*
PCB-178L	*85*		*40 - 125*	*05/03/18 12:25*	*05/15/18 06:34*	*10*

Client Sample ID: PDI-SG-B352-BL1
Date Collected: 04/24/18 10:00
Date Received: 04/25/18 13:55

Lab Sample ID: 580-76830-14
Matrix: Solid
Percent Solids: 51.8

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1	0.0019	J	0.0099	0.00021	ng/g	☼	05/03/18 12:25	05/15/18 07:36	1
PCB-2	0.0083	J B	0.0099	0.00023	ng/g	☼	05/03/18 12:25	05/15/18 07:36	1
PCB-3	0.0022	J q	0.0099	0.00026	ng/g	☼	05/03/18 12:25	05/15/18 07:36	1
PCB-4	0.0097	J q	0.020	0.0026	ng/g	☼	05/03/18 12:25	05/15/18 07:36	1
PCB-5	ND		0.0099	0.0022	ng/g	☼	05/03/18 12:25	05/15/18 07:36	1
PCB-6	0.0033	J q	0.0099	0.0019	ng/g	☼	05/03/18 12:25	05/15/18 07:36	1
PCB-7	ND		0.0099	0.0020	ng/g	☼	05/03/18 12:25	05/15/18 07:36	1
PCB-8	0.011	J q	0.020	0.0018	ng/g	☼	05/03/18 12:25	05/15/18 07:36	1
PCB-9	ND		0.0099	0.0020	ng/g	☼	05/03/18 12:25	05/15/18 07:36	1
PCB-10	ND		0.0099	0.0021	ng/g	☼	05/03/18 12:25	05/15/18 07:36	1
PCB-11	0.13	B	0.020	0.0019	ng/g	☼	05/03/18 12:25	05/15/18 07:36	1
PCB-12	0.0030	J q C	0.020	0.0019	ng/g	☼	05/03/18 12:25	05/15/18 07:36	1
PCB-13	0.0030	J q C12	0.020	0.0019	ng/g	☼	05/03/18 12:25	05/15/18 07:36	1
PCB-14	ND		0.0099	0.0016	ng/g	☼	05/03/18 12:25	05/15/18 07:36	1
PCB-15	0.012		0.0099	0.0021	ng/g	☼	05/03/18 12:25	05/15/18 07:36	1
PCB-16	0.0073	J	0.0099	0.00032	ng/g	☼	05/03/18 12:25	05/15/18 07:36	1
PCB-17	0.017		0.0099	0.00028	ng/g	☼	05/03/18 12:25	05/15/18 07:36	1
PCB-18	0.021	C	0.020	0.00025	ng/g	☼	05/03/18 12:25	05/15/18 07:36	1
PCB-19	0.017		0.0099	0.00035	ng/g	☼	05/03/18 12:25	05/15/18 07:36	1
PCB-20	0.049	C	0.020	0.00056	ng/g	☼	05/03/18 12:25	05/15/18 07:36	1
PCB-21	0.018	J C	0.020	0.00055	ng/g	☼	05/03/18 12:25	05/15/18 07:36	1
PCB-22	0.013		0.0099	0.00058	ng/g	☼	05/03/18 12:25	05/15/18 07:36	1
PCB-23	ND		0.0099	0.00057	ng/g	☼	05/03/18 12:25	05/15/18 07:36	1
PCB-24	ND		0.0099	0.00024	ng/g	☼	05/03/18 12:25	05/15/18 07:36	1
PCB-25	0.0050	J q	0.0099	0.00052	ng/g	☼	05/03/18 12:25	05/15/18 07:36	1
PCB-26	0.0089	J C	0.020	0.00055	ng/g	☼	05/03/18 12:25	05/15/18 07:36	1
PCB-27	0.0026	J q	0.0099	0.00021	ng/g	☼	05/03/18 12:25	05/15/18 07:36	1
PCB-28	0.049	C20	0.020	0.00056	ng/g	☼	05/03/18 12:25	05/15/18 07:36	1
PCB-29	0.0089	J C26	0.020	0.00055	ng/g	☼	05/03/18 12:25	05/15/18 07:36	1
PCB-30	0.021	C18	0.020	0.00025	ng/g	☼	05/03/18 12:25	05/15/18 07:36	1
PCB-31	0.037		0.020	0.00055	ng/g	☼	05/03/18 12:25	05/15/18 07:36	1
PCB-32	0.0078	J q	0.0099	0.00020	ng/g	☼	05/03/18 12:25	05/15/18 07:36	1
PCB-33	0.018	J C21	0.020	0.00055	ng/g	☼	05/03/18 12:25	05/15/18 07:36	1
PCB-34	ND		0.0099	0.00059	ng/g	☼	05/03/18 12:25	05/15/18 07:36	1
PCB-35	0.0013	J q	0.0099	0.00058	ng/g	☼	05/03/18 12:25	05/15/18 07:36	1
PCB-36	ND		0.0099	0.00055	ng/g	☼	05/03/18 12:25	05/15/18 07:36	1
PCB-37	0.014		0.0099	0.00057	ng/g	☼	05/03/18 12:25	05/15/18 07:36	1
PCB-38	ND		0.0099	0.00060	ng/g	☼	05/03/18 12:25	05/15/18 07:36	1
PCB-39	ND		0.0099	0.00053	ng/g	☼	05/03/18 12:25	05/15/18 07:36	1
PCB-40	0.033	C	0.030	0.0013	ng/g	☼	05/03/18 12:25	05/15/18 07:36	1
PCB-41	0.033	C40	0.030	0.0013	ng/g	☼	05/03/18 12:25	05/15/18 07:36	1
PCB-42	0.016		0.0099	0.0013	ng/g	☼	05/03/18 12:25	05/15/18 07:36	1
PCB-43	0.0029	J q C	0.020	0.0013	ng/g	☼	05/03/18 12:25	05/15/18 07:36	1
PCB-44	0.095	C B	0.030	0.0012	ng/g	☼	05/03/18 12:25	05/15/18 07:36	1
PCB-45	0.019	J C	0.020	0.0014	ng/g	☼	05/03/18 12:25	05/15/18 07:36	1
PCB-46	ND		0.0099	0.0017	ng/g	☼	05/03/18 12:25	05/15/18 07:36	1
PCB-47	0.095	C44 B	0.030	0.0012	ng/g	☼	05/03/18 12:25	05/15/18 07:36	1
PCB-48	0.0083	J q	0.0099	0.0013	ng/g	☼	05/03/18 12:25	05/15/18 07:36	1
PCB-49	0.068	C	0.020	0.0011	ng/g	☼	05/03/18 12:25	05/15/18 07:36	1

Client Sample ID: PDI-SG-B352-BL1
Date Collected: 04/24/18 10:00
Date Received: 04/25/18 13:55

Lab Sample ID: 580-76830-14
Matrix: Solid
Percent Solids: 51.8

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-50	0.019	J C	0.020	0.0013	ng/g	☼	05/03/18 12:25	05/15/18 07:36	1
PCB-51	0.019	J C45	0.020	0.0014	ng/g	☼	05/03/18 12:25	05/15/18 07:36	1
PCB-52	0.11		0.0099	0.0013	ng/g	☼	05/03/18 12:25	05/15/18 07:36	1
PCB-53	0.019	J C50	0.020	0.0013	ng/g	☼	05/03/18 12:25	05/15/18 07:36	1
PCB-54	0.0023	J q	0.0099	0.000051	ng/g	☼	05/03/18 12:25	05/15/18 07:36	1
PCB-55	ND		0.0099	0.00098	ng/g	☼	05/03/18 12:25	05/15/18 07:36	1
PCB-56	0.026		0.0099	0.00098	ng/g	☼	05/03/18 12:25	05/15/18 07:36	1
PCB-57	ND		0.0099	0.0010	ng/g	☼	05/03/18 12:25	05/15/18 07:36	1
PCB-58	ND		0.0099	0.0010	ng/g	☼	05/03/18 12:25	05/15/18 07:36	1
PCB-59	0.0059	J q C	0.030	0.00095	ng/g	☼	05/03/18 12:25	05/15/18 07:36	1
PCB-60	0.0070	J	0.0099	0.0010	ng/g	☼	05/03/18 12:25	05/15/18 07:36	1
PCB-61	0.12	C B	0.040	0.00094	ng/g	☼	05/03/18 12:25	05/15/18 07:36	1
PCB-62	0.0059	J q C59	0.030	0.00095	ng/g	☼	05/03/18 12:25	05/15/18 07:36	1
PCB-63	ND		0.0099	0.00091	ng/g	☼	05/03/18 12:25	05/15/18 07:36	1
PCB-64	0.022	q	0.0099	0.00090	ng/g	☼	05/03/18 12:25	05/15/18 07:36	1
PCB-65	0.095	C44 B	0.030	0.0012	ng/g	☼	05/03/18 12:25	05/15/18 07:36	1
PCB-66	0.067		0.0099	0.00093	ng/g	☼	05/03/18 12:25	05/15/18 07:36	1
PCB-67	ND		0.0099	0.00086	ng/g	☼	05/03/18 12:25	05/15/18 07:36	1
PCB-68	ND		0.0099	0.00088	ng/g	☼	05/03/18 12:25	05/15/18 07:36	1
PCB-69	0.068	C49	0.020	0.0011	ng/g	☼	05/03/18 12:25	05/15/18 07:36	1
PCB-70	0.12	C61 B	0.040	0.00094	ng/g	☼	05/03/18 12:25	05/15/18 07:36	1
PCB-71	0.033	C40	0.030	0.0013	ng/g	☼	05/03/18 12:25	05/15/18 07:36	1
PCB-72	0.0018	J q	0.0099	0.00098	ng/g	☼	05/03/18 12:25	05/15/18 07:36	1
PCB-73	0.0029	J q C43	0.020	0.0013	ng/g	☼	05/03/18 12:25	05/15/18 07:36	1
PCB-74	0.12	C61 B	0.040	0.00094	ng/g	☼	05/03/18 12:25	05/15/18 07:36	1
PCB-75	0.0059	J q C59	0.030	0.00095	ng/g	☼	05/03/18 12:25	05/15/18 07:36	1
PCB-76	0.12	C61 B	0.040	0.00094	ng/g	☼	05/03/18 12:25	05/15/18 07:36	1
PCB-77	0.0069	J B	0.0099	0.00097	ng/g	☼	05/03/18 12:25	05/15/18 07:36	1
PCB-78	ND		0.0099	0.0010	ng/g	☼	05/03/18 12:25	05/15/18 07:36	1
PCB-79	ND		0.0099	0.00087	ng/g	☼	05/03/18 12:25	05/15/18 07:36	1
PCB-80	ND		0.0099	0.00086	ng/g	☼	05/03/18 12:25	05/15/18 07:36	1
PCB-81	ND		0.0099	0.00090	ng/g	☼	05/03/18 12:25	05/15/18 07:36	1
PCB-82	0.016		0.0099	0.00057	ng/g	☼	05/03/18 12:25	05/15/18 07:36	1
PCB-83	0.13	C	0.020	0.00052	ng/g	☼	05/03/18 12:25	05/15/18 07:36	1
PCB-84	0.033	q B	0.0099	0.00057	ng/g	☼	05/03/18 12:25	05/15/18 07:36	1
PCB-85	0.028	J q C	0.030	0.00042	ng/g	☼	05/03/18 12:25	05/15/18 07:36	1
PCB-86	0.11	C B	0.060	0.00042	ng/g	☼	05/03/18 12:25	05/15/18 07:36	1
PCB-87	0.11	C86 B	0.060	0.00042	ng/g	☼	05/03/18 12:25	05/15/18 07:36	1
PCB-88	0.043	C	0.020	0.00051	ng/g	☼	05/03/18 12:25	05/15/18 07:36	1
PCB-89	ND		0.0099	0.00055	ng/g	☼	05/03/18 12:25	05/15/18 07:36	1
PCB-90	0.24	C B	0.030	0.00043	ng/g	☼	05/03/18 12:25	05/15/18 07:36	1
PCB-91	0.043	C88	0.020	0.00051	ng/g	☼	05/03/18 12:25	05/15/18 07:36	1
PCB-92	0.050		0.0099	0.00049	ng/g	☼	05/03/18 12:25	05/15/18 07:36	1
PCB-93	0.011	J C	0.020	0.00049	ng/g	☼	05/03/18 12:25	05/15/18 07:36	1
PCB-94	ND		0.0099	0.00055	ng/g	☼	05/03/18 12:25	05/15/18 07:36	1
PCB-95	0.19	B	0.0099	0.00054	ng/g	☼	05/03/18 12:25	05/15/18 07:36	1
PCB-96	0.0021	J	0.0099	0.00042	ng/g	☼	05/03/18 12:25	05/15/18 07:36	1
PCB-97	0.11	C86 B	0.060	0.00042	ng/g	☼	05/03/18 12:25	05/15/18 07:36	1
PCB-98	0.0048	J q C	0.020	0.00048	ng/g	☼	05/03/18 12:25	05/15/18 07:36	1

Client Sample ID: PDI-SG-B352-BL1
Date Collected: 04/24/18 10:00
Date Received: 04/25/18 13:55

Lab Sample ID: 580-76830-14
Matrix: Solid
Percent Solids: 51.8

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-99	0.13	C83	0.020	0.00052	ng/g	☼	05/03/18 12:25	05/15/18 07:36	1
PCB-100	0.011	J C93	0.020	0.00049	ng/g	☼	05/03/18 12:25	05/15/18 07:36	1
PCB-101	0.24	C90 B	0.030	0.00043	ng/g	☼	05/03/18 12:25	05/15/18 07:36	1
PCB-102	0.0048	J q C98	0.020	0.00048	ng/g	☼	05/03/18 12:25	05/15/18 07:36	1
PCB-103	0.0073	J	0.0099	0.00049	ng/g	☼	05/03/18 12:25	05/15/18 07:36	1
PCB-104	ND		0.0099	0.00037	ng/g	☼	05/03/18 12:25	05/15/18 07:36	1
PCB-105	0.053	B	0.0099	0.0014	ng/g	☼	05/03/18 12:25	05/15/18 07:36	1
PCB-106	ND		0.0099	0.0013	ng/g	☼	05/03/18 12:25	05/15/18 07:36	1
PCB-107	0.013	q	0.0099	0.0014	ng/g	☼	05/03/18 12:25	05/15/18 07:36	1
PCB-108	0.0054	J C	0.020	0.0013	ng/g	☼	05/03/18 12:25	05/15/18 07:36	1
PCB-109	0.11	C86 B	0.060	0.00042	ng/g	☼	05/03/18 12:25	05/15/18 07:36	1
PCB-110	0.21	C B	0.020	0.00036	ng/g	☼	05/03/18 12:25	05/15/18 07:36	1
PCB-111	ND		0.0099	0.00034	ng/g	☼	05/03/18 12:25	05/15/18 07:36	1
PCB-112	0.0011	J q	0.0099	0.00036	ng/g	☼	05/03/18 12:25	05/15/18 07:36	1
PCB-113	0.24	C90 B	0.030	0.00043	ng/g	☼	05/03/18 12:25	05/15/18 07:36	1
PCB-114	0.0019	J q	0.0099	0.0012	ng/g	☼	05/03/18 12:25	05/15/18 07:36	1
PCB-115	0.21	C110 B	0.020	0.00036	ng/g	☼	05/03/18 12:25	05/15/18 07:36	1
PCB-116	0.028	J q C85	0.030	0.00042	ng/g	☼	05/03/18 12:25	05/15/18 07:36	1
PCB-117	0.028	J q C85	0.030	0.00042	ng/g	☼	05/03/18 12:25	05/15/18 07:36	1
PCB-118	0.14	B	0.0099	0.0012	ng/g	☼	05/03/18 12:25	05/15/18 07:36	1
PCB-119	0.11	C86 B	0.060	0.00042	ng/g	☼	05/03/18 12:25	05/15/18 07:36	1
PCB-120	0.0023	J q	0.0099	0.00035	ng/g	☼	05/03/18 12:25	05/15/18 07:36	1
PCB-121	ND		0.0099	0.00036	ng/g	☼	05/03/18 12:25	05/15/18 07:36	1
PCB-122	0.0017	J q	0.0099	0.0015	ng/g	☼	05/03/18 12:25	05/15/18 07:36	1
PCB-123	0.0017	J q B	0.0099	0.0012	ng/g	☼	05/03/18 12:25	05/15/18 07:36	1
PCB-124	0.0054	J C108	0.020	0.0013	ng/g	☼	05/03/18 12:25	05/15/18 07:36	1
PCB-125	0.11	C86 B	0.060	0.00042	ng/g	☼	05/03/18 12:25	05/15/18 07:36	1
PCB-126	0.0016	J B	0.0099	0.0013	ng/g	☼	05/03/18 12:25	05/15/18 07:36	1
PCB-127	ND		0.0099	0.0013	ng/g	☼	05/03/18 12:25	05/15/18 07:36	1
PCB-128	0.036	q C B	0.020	0.0022	ng/g	☼	05/03/18 12:25	05/15/18 07:36	1
PCB-129	0.37	C B	0.040	0.0023	ng/g	☼	05/03/18 12:25	05/15/18 07:36	1
PCB-130	0.019	q	0.0099	0.0030	ng/g	☼	05/03/18 12:25	05/15/18 07:36	1
PCB-131	ND		0.0099	0.0031	ng/g	☼	05/03/18 12:25	05/15/18 07:36	1
PCB-132	0.11		0.0099	0.0029	ng/g	☼	05/03/18 12:25	05/15/18 07:36	1
PCB-133	0.0095	J	0.0099	0.0028	ng/g	☼	05/03/18 12:25	05/15/18 07:36	1
PCB-134	0.022	C	0.020	0.0029	ng/g	☼	05/03/18 12:25	05/15/18 07:36	1
PCB-135	0.17	C	0.020	0.00029	ng/g	☼	05/03/18 12:25	05/15/18 07:36	1
PCB-136	0.059		0.0099	0.00021	ng/g	☼	05/03/18 12:25	05/15/18 07:36	1
PCB-137	0.0094	J q	0.0099	0.0025	ng/g	☼	05/03/18 12:25	05/15/18 07:36	1
PCB-138	0.37	C129 B	0.040	0.0023	ng/g	☼	05/03/18 12:25	05/15/18 07:36	1
PCB-139	0.0050	J q C	0.020	0.0025	ng/g	☼	05/03/18 12:25	05/15/18 07:36	1
PCB-140	0.0050	J q C139	0.020	0.0025	ng/g	☼	05/03/18 12:25	05/15/18 07:36	1
PCB-141	0.071		0.0099	0.0026	ng/g	☼	05/03/18 12:25	05/15/18 07:36	1
PCB-142	ND		0.0099	0.0028	ng/g	☼	05/03/18 12:25	05/15/18 07:36	1
PCB-143	0.022	C134	0.020	0.0029	ng/g	☼	05/03/18 12:25	05/15/18 07:36	1
PCB-144	0.015		0.0099	0.00027	ng/g	☼	05/03/18 12:25	05/15/18 07:36	1
PCB-145	ND		0.0099	0.00020	ng/g	☼	05/03/18 12:25	05/15/18 07:36	1
PCB-146	0.087		0.0099	0.0025	ng/g	☼	05/03/18 12:25	05/15/18 07:36	1
PCB-147	0.43	C	0.020	0.0028	ng/g	☼	05/03/18 12:25	05/15/18 07:36	1

Client Sample ID: PDI-SG-B352-BL1
Date Collected: 04/24/18 10:00
Date Received: 04/25/18 13:55

Lab Sample ID: 580-76830-14
Matrix: Solid
Percent Solids: 51.8

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-148	0.0025	J q	0.0099	0.00028	ng/g	☼	05/03/18 12:25	05/15/18 07:36	1
PCB-149	0.43	C147	0.020	0.0028	ng/g	☼	05/03/18 12:25	05/15/18 07:36	1
PCB-150	0.0030	J	0.0099	0.00019	ng/g	☼	05/03/18 12:25	05/15/18 07:36	1
PCB-151	0.17	C135	0.020	0.00029	ng/g	☼	05/03/18 12:25	05/15/18 07:36	1
PCB-152	ND		0.0099	0.00021	ng/g	☼	05/03/18 12:25	05/15/18 07:36	1
PCB-153	0.36	C	0.020	0.0020	ng/g	☼	05/03/18 12:25	05/15/18 07:36	1
PCB-154	0.016		0.0099	0.00023	ng/g	☼	05/03/18 12:25	05/15/18 07:36	1
PCB-155	ND		0.0099	0.00019	ng/g	☼	05/03/18 12:25	05/15/18 07:36	1
PCB-156	0.029	C B	0.020	0.0024	ng/g	☼	05/03/18 12:25	05/15/18 07:36	1
PCB-157	0.029	C156 B	0.020	0.0024	ng/g	☼	05/03/18 12:25	05/15/18 07:36	1
PCB-158	0.025	q	0.0099	0.0018	ng/g	☼	05/03/18 12:25	05/15/18 07:36	1
PCB-159	0.0034	J	0.0099	0.0019	ng/g	☼	05/03/18 12:25	05/15/18 07:36	1
PCB-160	0.37	C129 B	0.040	0.0023	ng/g	☼	05/03/18 12:25	05/15/18 07:36	1
PCB-161	ND		0.0099	0.0019	ng/g	☼	05/03/18 12:25	05/15/18 07:36	1
PCB-162	ND		0.0099	0.0018	ng/g	☼	05/03/18 12:25	05/15/18 07:36	1
PCB-163	0.37	C129 B	0.040	0.0023	ng/g	☼	05/03/18 12:25	05/15/18 07:36	1
PCB-164	0.024	q	0.0099	0.0020	ng/g	☼	05/03/18 12:25	05/15/18 07:36	1
PCB-165	ND		0.0099	0.0021	ng/g	☼	05/03/18 12:25	05/15/18 07:36	1
PCB-166	0.036	q C128 B	0.020	0.0022	ng/g	☼	05/03/18 12:25	05/15/18 07:36	1
PCB-167	0.011		0.0099	0.0015	ng/g	☼	05/03/18 12:25	05/15/18 07:36	1
PCB-168	0.36	C153	0.020	0.0020	ng/g	☼	05/03/18 12:25	05/15/18 07:36	1
PCB-169	ND		0.0099	0.0014	ng/g	☼	05/03/18 12:25	05/15/18 07:36	1
PCB-170	0.10		0.0099	0.00077	ng/g	☼	05/03/18 12:25	05/15/18 07:36	1
PCB-171	0.028	C	0.020	0.00068	ng/g	☼	05/03/18 12:25	05/15/18 07:36	1
PCB-172	0.019		0.0099	0.00068	ng/g	☼	05/03/18 12:25	05/15/18 07:36	1
PCB-173	0.028	C171	0.020	0.00068	ng/g	☼	05/03/18 12:25	05/15/18 07:36	1
PCB-174	0.11		0.0099	0.00064	ng/g	☼	05/03/18 12:25	05/15/18 07:36	1
PCB-175	0.0047	J	0.0099	0.00062	ng/g	☼	05/03/18 12:25	05/15/18 07:36	1
PCB-176	0.017		0.0099	0.00047	ng/g	☼	05/03/18 12:25	05/15/18 07:36	1
PCB-177	0.071		0.0099	0.00065	ng/g	☼	05/03/18 12:25	05/15/18 07:36	1
PCB-178	0.034		0.0099	0.00067	ng/g	☼	05/03/18 12:25	05/15/18 07:36	1
PCB-179	0.068		0.0099	0.00049	ng/g	☼	05/03/18 12:25	05/15/18 07:36	1
PCB-180	0.23	C	0.020	0.00052	ng/g	☼	05/03/18 12:25	05/15/18 07:36	1
PCB-181	ND		0.0099	0.00061	ng/g	☼	05/03/18 12:25	05/15/18 07:36	1
PCB-182	ND		0.0099	0.00059	ng/g	☼	05/03/18 12:25	05/15/18 07:36	1
PCB-183	0.076	C	0.020	0.00060	ng/g	☼	05/03/18 12:25	05/15/18 07:36	1
PCB-184	ND		0.0099	0.00050	ng/g	☼	05/03/18 12:25	05/15/18 07:36	1
PCB-185	0.076	C183	0.020	0.00060	ng/g	☼	05/03/18 12:25	05/15/18 07:36	1
PCB-186	ND		0.0099	0.00049	ng/g	☼	05/03/18 12:25	05/15/18 07:36	1
PCB-187	0.17		0.0099	0.00057	ng/g	☼	05/03/18 12:25	05/15/18 07:36	1
PCB-188	ND		0.0099	0.00042	ng/g	☼	05/03/18 12:25	05/15/18 07:36	1
PCB-189	0.0034	J	0.0099	0.0014	ng/g	☼	05/03/18 12:25	05/15/18 07:36	1
PCB-190	0.019		0.0099	0.00045	ng/g	☼	05/03/18 12:25	05/15/18 07:36	1
PCB-191	0.0033	J q	0.0099	0.00046	ng/g	☼	05/03/18 12:25	05/15/18 07:36	1
PCB-192	ND		0.0099	0.00052	ng/g	☼	05/03/18 12:25	05/15/18 07:36	1
PCB-193	0.23	C180	0.020	0.00052	ng/g	☼	05/03/18 12:25	05/15/18 07:36	1
PCB-194	0.056		0.0099	0.0015	ng/g	☼	05/03/18 12:25	05/15/18 07:36	1
PCB-195	0.028		0.0099	0.0017	ng/g	☼	05/03/18 12:25	05/15/18 07:36	1
PCB-196	0.026	q	0.0099	0.00045	ng/g	☼	05/03/18 12:25	05/15/18 07:36	1

Client Sample ID: PDI-SG-B352-BL1
Date Collected: 04/24/18 10:00
Date Received: 04/25/18 13:55

Lab Sample ID: 580-76830-14
Matrix: Solid
Percent Solids: 51.8

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-197	0.0014	J q	0.0099	0.00034	ng/g	☼	05/03/18 12:25	05/15/18 07:36	1
PCB-198	0.066	C B	0.020	0.00045	ng/g	☼	05/03/18 12:25	05/15/18 07:36	1
PCB-199	0.066	C198 B	0.020	0.00045	ng/g	☼	05/03/18 12:25	05/15/18 07:36	1
PCB-200	0.0051	J q	0.0099	0.00030	ng/g	☼	05/03/18 12:25	05/15/18 07:36	1
PCB-201	0.0054	J q	0.0099	0.00031	ng/g	☼	05/03/18 12:25	05/15/18 07:36	1
PCB-202	0.010	q	0.0099	0.00035	ng/g	☼	05/03/18 12:25	05/15/18 07:36	1
PCB-203	0.039		0.0099	0.00040	ng/g	☼	05/03/18 12:25	05/15/18 07:36	1
PCB-204	ND		0.0099	0.00034	ng/g	☼	05/03/18 12:25	05/15/18 07:36	1
PCB-205	0.0025	J q B	0.0099	0.0013	ng/g	☼	05/03/18 12:25	05/15/18 07:36	1
PCB-206	0.047		0.0099	0.0029	ng/g	☼	05/03/18 12:25	05/15/18 07:36	1
PCB-207	0.0040	J	0.0099	0.0019	ng/g	☼	05/03/18 12:25	05/15/18 07:36	1
PCB-208	0.013		0.0099	0.0018	ng/g	☼	05/03/18 12:25	05/15/18 07:36	1
PCB-209	0.042		0.0099	0.00063	ng/g	☼	05/03/18 12:25	05/15/18 07:36	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
PCB-1L	*86*		*30 - 140*	*05/03/18 12:25*	*05/15/18 07:36*	*1*
PCB-3L	*88*		*30 - 140*	*05/03/18 12:25*	*05/15/18 07:36*	*1*
PCB-4L	*77*		*30 - 140*	*05/03/18 12:25*	*05/15/18 07:36*	*1*
PCB-15L	*76*		*30 - 140*	*05/03/18 12:25*	*05/15/18 07:36*	*1*
PCB-19L	*89*		*30 - 140*	*05/03/18 12:25*	*05/15/18 07:36*	*1*
PCB-37L	*85*		*30 - 140*	*05/03/18 12:25*	*05/15/18 07:36*	*1*
PCB-54L	*86*		*30 - 140*	*05/03/18 12:25*	*05/15/18 07:36*	*1*
PCB-77L	*82*		*30 - 140*	*05/03/18 12:25*	*05/15/18 07:36*	*1*
PCB-81L	*85*		*30 - 140*	*05/03/18 12:25*	*05/15/18 07:36*	*1*
PCB-104L	*80*		*30 - 140*	*05/03/18 12:25*	*05/15/18 07:36*	*1*
PCB-105L	*82*		*30 - 140*	*05/03/18 12:25*	*05/15/18 07:36*	*1*
PCB-114L	*89*		*30 - 140*	*05/03/18 12:25*	*05/15/18 07:36*	*1*
PCB-118L	*86*		*30 - 140*	*05/03/18 12:25*	*05/15/18 07:36*	*1*
PCB-123L	*87*		*30 - 140*	*05/03/18 12:25*	*05/15/18 07:36*	*1*
PCB-126L	*85*		*30 - 140*	*05/03/18 12:25*	*05/15/18 07:36*	*1*
PCB-155L	*81*		*30 - 140*	*05/03/18 12:25*	*05/15/18 07:36*	*1*
PCB-156L	*88*	*C*	*30 - 140*	*05/03/18 12:25*	*05/15/18 07:36*	*1*
PCB-157L	*88*	*C156*	*30 - 140*	*05/03/18 12:25*	*05/15/18 07:36*	*1*
PCB-167L	*89*		*30 - 140*	*05/03/18 12:25*	*05/15/18 07:36*	*1*
PCB-169L	*91*		*30 - 140*	*05/03/18 12:25*	*05/15/18 07:36*	*1*
PCB-170L	*84*		*30 - 140*	*05/03/18 12:25*	*05/15/18 07:36*	*1*
PCB-188L	*91*		*30 - 140*	*05/03/18 12:25*	*05/15/18 07:36*	*1*
PCB-189L	*91*		*30 - 140*	*05/03/18 12:25*	*05/15/18 07:36*	*1*
PCB-202L	*89*		*30 - 140*	*05/03/18 12:25*	*05/15/18 07:36*	*1*
PCB-205L	*72*		*30 - 140*	*05/03/18 12:25*	*05/15/18 07:36*	*1*
PCB-206L	*69*		*30 - 140*	*05/03/18 12:25*	*05/15/18 07:36*	*1*
PCB-208L	*73*		*30 - 140*	*05/03/18 12:25*	*05/15/18 07:36*	*1*
PCB-209L	*61*		*30 - 140*	*05/03/18 12:25*	*05/15/18 07:36*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
PCB-28L	*92*		*40 - 125*	*05/03/18 12:25*	*05/15/18 07:36*	*1*
PCB-111L	*90*		*40 - 125*	*05/03/18 12:25*	*05/15/18 07:36*	*1*
PCB-178L	*92*		*40 - 125*	*05/03/18 12:25*	*05/15/18 07:36*	*1*

Client Sample ID: PDI-SG-B366-BL1
Date Collected: 04/24/18 11:40
Date Received: 04/25/18 13:55

Lab Sample ID: 580-76830-15
Matrix: Solid
Percent Solids: 64.0

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1	0.0024	J q	0.0096	0.00019	ng/g	☼	05/03/18 10:07	05/15/18 17:35	1
PCB-2	0.0059	J	0.0096	0.00021	ng/g	☼	05/03/18 10:07	05/15/18 17:35	1
PCB-3	0.0022	J q B	0.0096	0.00022	ng/g	☼	05/03/18 10:07	05/15/18 17:35	1
PCB-4	0.011	J q	0.019	0.0038	ng/g	☼	05/03/18 10:07	05/15/18 17:35	1
PCB-5	ND		0.0096	0.0029	ng/g	☼	05/03/18 10:07	05/15/18 17:35	1
PCB-6	0.0030	J q	0.0096	0.0026	ng/g	☼	05/03/18 10:07	05/15/18 17:35	1
PCB-7	ND		0.0096	0.0026	ng/g	☼	05/03/18 10:07	05/15/18 17:35	1
PCB-8	0.014	J	0.019	0.0024	ng/g	☼	05/03/18 10:07	05/15/18 17:35	1
PCB-9	ND		0.0096	0.0027	ng/g	☼	05/03/18 10:07	05/15/18 17:35	1
PCB-10	ND		0.0096	0.0029	ng/g	☼	05/03/18 10:07	05/15/18 17:35	1
PCB-11	0.032	q B	0.019	0.0025	ng/g	☼	05/03/18 10:07	05/15/18 17:35	1
PCB-12	0.0028	J q C	0.019	0.0026	ng/g	☼	05/03/18 10:07	05/15/18 17:35	1
PCB-13	0.0028	J q C12	0.019	0.0026	ng/g	☼	05/03/18 10:07	05/15/18 17:35	1
PCB-14	ND		0.0096	0.0022	ng/g	☼	05/03/18 10:07	05/15/18 17:35	1
PCB-15	0.013		0.0096	0.0027	ng/g	☼	05/03/18 10:07	05/15/18 17:35	1
PCB-16	0.0074	J	0.0096	0.00046	ng/g	☼	05/03/18 10:07	05/15/18 17:35	1
PCB-17	0.021		0.0096	0.00041	ng/g	☼	05/03/18 10:07	05/15/18 17:35	1
PCB-18	0.024	C	0.019	0.00036	ng/g	☼	05/03/18 10:07	05/15/18 17:35	1
PCB-19	0.038		0.0096	0.00051	ng/g	☼	05/03/18 10:07	05/15/18 17:35	1
PCB-20	0.065	C	0.019	0.00058	ng/g	☼	05/03/18 10:07	05/15/18 17:35	1
PCB-21	0.025	C B	0.019	0.00057	ng/g	☼	05/03/18 10:07	05/15/18 17:35	1
PCB-22	0.016		0.0096	0.00059	ng/g	☼	05/03/18 10:07	05/15/18 17:35	1
PCB-23	ND		0.0096	0.00059	ng/g	☼	05/03/18 10:07	05/15/18 17:35	1
PCB-24	0.00080	J q	0.0096	0.00035	ng/g	☼	05/03/18 10:07	05/15/18 17:35	1
PCB-25	0.0066	J	0.0096	0.00054	ng/g	☼	05/03/18 10:07	05/15/18 17:35	1
PCB-26	0.010	J C	0.019	0.00057	ng/g	☼	05/03/18 10:07	05/15/18 17:35	1
PCB-27	0.0055	J	0.0096	0.00030	ng/g	☼	05/03/18 10:07	05/15/18 17:35	1
PCB-28	0.065	C20	0.019	0.00058	ng/g	☼	05/03/18 10:07	05/15/18 17:35	1
PCB-29	0.010	J C26	0.019	0.00057	ng/g	☼	05/03/18 10:07	05/15/18 17:35	1
PCB-30	0.024	C18	0.019	0.00036	ng/g	☼	05/03/18 10:07	05/15/18 17:35	1
PCB-31	0.046		0.019	0.00057	ng/g	☼	05/03/18 10:07	05/15/18 17:35	1
PCB-32	0.015		0.0096	0.00029	ng/g	☼	05/03/18 10:07	05/15/18 17:35	1
PCB-33	0.025	C21 B	0.019	0.00057	ng/g	☼	05/03/18 10:07	05/15/18 17:35	1
PCB-34	ND		0.0096	0.00061	ng/g	☼	05/03/18 10:07	05/15/18 17:35	1
PCB-35	0.00099	J q	0.0096	0.00060	ng/g	☼	05/03/18 10:07	05/15/18 17:35	1
PCB-36	ND		0.0096	0.00057	ng/g	☼	05/03/18 10:07	05/15/18 17:35	1
PCB-37	0.024	B	0.0096	0.00059	ng/g	☼	05/03/18 10:07	05/15/18 17:35	1
PCB-38	ND		0.0096	0.00062	ng/g	☼	05/03/18 10:07	05/15/18 17:35	1
PCB-39	ND		0.0096	0.00055	ng/g	☼	05/03/18 10:07	05/15/18 17:35	1
PCB-40	0.040	C	0.029	0.0014	ng/g	☼	05/03/18 10:07	05/15/18 17:35	1
PCB-41	0.040	C40	0.029	0.0014	ng/g	☼	05/03/18 10:07	05/15/18 17:35	1
PCB-42	0.017		0.0096	0.0014	ng/g	☼	05/03/18 10:07	05/15/18 17:35	1
PCB-43	0.0050	J C	0.019	0.0013	ng/g	☼	05/03/18 10:07	05/15/18 17:35	1
PCB-44	0.14	C B	0.029	0.0013	ng/g	☼	05/03/18 10:07	05/15/18 17:35	1
PCB-45	0.047	C	0.019	0.0015	ng/g	☼	05/03/18 10:07	05/15/18 17:35	1
PCB-46	0.0042	J q	0.0096	0.0018	ng/g	☼	05/03/18 10:07	05/15/18 17:35	1
PCB-47	0.14	C44 B	0.029	0.0013	ng/g	☼	05/03/18 10:07	05/15/18 17:35	1
PCB-48	0.011		0.0096	0.0014	ng/g	☼	05/03/18 10:07	05/15/18 17:35	1
PCB-49	0.094	C	0.019	0.0012	ng/g	☼	05/03/18 10:07	05/15/18 17:35	1

Client Sample ID: PDI-SG-B366-BL1
Date Collected: 04/24/18 11:40
Date Received: 04/25/18 13:55

Lab Sample ID: 580-76830-15
Matrix: Solid
Percent Solids: 64.0

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-50	0.040	C	0.019	0.0014	ng/g	☼	05/03/18 10:07	05/15/18 17:35	1
PCB-51	0.047	C45	0.019	0.0015	ng/g	☼	05/03/18 10:07	05/15/18 17:35	1
PCB-52	0.16		0.0096	0.0014	ng/g	☼	05/03/18 10:07	05/15/18 17:35	1
PCB-53	0.040	C50	0.019	0.0014	ng/g	☼	05/03/18 10:07	05/15/18 17:35	1
PCB-54	0.011		0.0096	0.000095	ng/g	☼	05/03/18 10:07	05/15/18 17:35	1
PCB-55	0.0019	J	0.0096	0.0010	ng/g	☼	05/03/18 10:07	05/15/18 17:35	1
PCB-56	0.032		0.0096	0.0010	ng/g	☼	05/03/18 10:07	05/15/18 17:35	1
PCB-57	ND		0.0096	0.0011	ng/g	☼	05/03/18 10:07	05/15/18 17:35	1
PCB-58	ND		0.0096	0.0011	ng/g	☼	05/03/18 10:07	05/15/18 17:35	1
PCB-59	0.0079	J C	0.029	0.0010	ng/g	☼	05/03/18 10:07	05/15/18 17:35	1
PCB-60	0.0098		0.0096	0.0011	ng/g	☼	05/03/18 10:07	05/15/18 17:35	1
PCB-61	0.14	C	0.038	0.0010	ng/g	☼	05/03/18 10:07	05/15/18 17:35	1
PCB-62	0.0079	J C59	0.029	0.0010	ng/g	☼	05/03/18 10:07	05/15/18 17:35	1
PCB-63	0.0034	J	0.0096	0.00097	ng/g	☼	05/03/18 10:07	05/15/18 17:35	1
PCB-64	0.029		0.0096	0.00096	ng/g	☼	05/03/18 10:07	05/15/18 17:35	1
PCB-65	0.14	C44 B	0.029	0.0013	ng/g	☼	05/03/18 10:07	05/15/18 17:35	1
PCB-66	0.088		0.0096	0.0010	ng/g	☼	05/03/18 10:07	05/15/18 17:35	1
PCB-67	ND		0.0096	0.00092	ng/g	☼	05/03/18 10:07	05/15/18 17:35	1
PCB-68	ND		0.0096	0.00094	ng/g	☼	05/03/18 10:07	05/15/18 17:35	1
PCB-69	0.094	C49	0.019	0.0012	ng/g	☼	05/03/18 10:07	05/15/18 17:35	1
PCB-70	0.14	C61	0.038	0.0010	ng/g	☼	05/03/18 10:07	05/15/18 17:35	1
PCB-71	0.040	C40	0.029	0.0014	ng/g	☼	05/03/18 10:07	05/15/18 17:35	1
PCB-72	ND		0.0096	0.0010	ng/g	☼	05/03/18 10:07	05/15/18 17:35	1
PCB-73	0.0050	J C43	0.019	0.0013	ng/g	☼	05/03/18 10:07	05/15/18 17:35	1
PCB-74	0.14	C61	0.038	0.0010	ng/g	☼	05/03/18 10:07	05/15/18 17:35	1
PCB-75	0.0079	J C59	0.029	0.0010	ng/g	☼	05/03/18 10:07	05/15/18 17:35	1
PCB-76	0.14	C61	0.038	0.0010	ng/g	☼	05/03/18 10:07	05/15/18 17:35	1
PCB-77	0.011		0.0096	0.0010	ng/g	☼	05/03/18 10:07	05/15/18 17:35	1
PCB-78	ND		0.0096	0.0011	ng/g	☼	05/03/18 10:07	05/15/18 17:35	1
PCB-79	ND		0.0096	0.00093	ng/g	☼	05/03/18 10:07	05/15/18 17:35	1
PCB-80	ND		0.0096	0.00092	ng/g	☼	05/03/18 10:07	05/15/18 17:35	1
PCB-81	ND		0.0096	0.00097	ng/g	☼	05/03/18 10:07	05/15/18 17:35	1
PCB-82	0.018	q	0.0096	0.00040	ng/g	☼	05/03/18 10:07	05/15/18 17:35	1
PCB-83	0.16	C	0.019	0.00036	ng/g	☼	05/03/18 10:07	05/15/18 17:35	1
PCB-84	0.046		0.0096	0.00040	ng/g	☼	05/03/18 10:07	05/15/18 17:35	1
PCB-85	0.036	C B	0.029	0.00029	ng/g	☼	05/03/18 10:07	05/15/18 17:35	1
PCB-86	0.13	C B	0.057	0.00030	ng/g	☼	05/03/18 10:07	05/15/18 17:35	1
PCB-87	0.13	C86 B	0.057	0.00030	ng/g	☼	05/03/18 10:07	05/15/18 17:35	1
PCB-88	0.057	C	0.019	0.00036	ng/g	☼	05/03/18 10:07	05/15/18 17:35	1
PCB-89	ND		0.0096	0.00039	ng/g	☼	05/03/18 10:07	05/15/18 17:35	1
PCB-90	0.34	C B	0.029	0.00030	ng/g	☼	05/03/18 10:07	05/15/18 17:35	1
PCB-91	0.057	C88	0.019	0.00036	ng/g	☼	05/03/18 10:07	05/15/18 17:35	1
PCB-92	0.065		0.0096	0.00034	ng/g	☼	05/03/18 10:07	05/15/18 17:35	1
PCB-93	0.018	J C	0.019	0.00034	ng/g	☼	05/03/18 10:07	05/15/18 17:35	1
PCB-94	0.0036	J q	0.0096	0.00039	ng/g	☼	05/03/18 10:07	05/15/18 17:35	1
PCB-95	0.30		0.0096	0.00038	ng/g	☼	05/03/18 10:07	05/15/18 17:35	1
PCB-96	0.0043	J	0.0096	0.00029	ng/g	☼	05/03/18 10:07	05/15/18 17:35	1
PCB-97	0.13	C86 B	0.057	0.00030	ng/g	☼	05/03/18 10:07	05/15/18 17:35	1
PCB-98	0.0084	J q C	0.019	0.00033	ng/g	☼	05/03/18 10:07	05/15/18 17:35	1

Client Sample ID: PDI-SG-B366-BL1
Date Collected: 04/24/18 11:40
Date Received: 04/25/18 13:55

Lab Sample ID: 580-76830-15
Matrix: Solid
Percent Solids: 64.0

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-99	0.16	C83	0.019	0.00036	ng/g	☼	05/03/18 10:07	05/15/18 17:35	1
PCB-100	0.018	J C93	0.019	0.00034	ng/g	☼	05/03/18 10:07	05/15/18 17:35	1
PCB-101	0.34	C90 B	0.029	0.00030	ng/g	☼	05/03/18 10:07	05/15/18 17:35	1
PCB-102	0.0084	J q C98	0.019	0.00033	ng/g	☼	05/03/18 10:07	05/15/18 17:35	1
PCB-103	0.013	q	0.0096	0.00034	ng/g	☼	05/03/18 10:07	05/15/18 17:35	1
PCB-104	ND		0.0096	0.00026	ng/g	☼	05/03/18 10:07	05/15/18 17:35	1
PCB-105	0.064		0.0096	0.0010	ng/g	☼	05/03/18 10:07	05/15/18 17:35	1
PCB-106	ND		0.0096	0.0011	ng/g	☼	05/03/18 10:07	05/15/18 17:35	1
PCB-107	0.023		0.0096	0.0011	ng/g	☼	05/03/18 10:07	05/15/18 17:35	1
PCB-108	0.0066	J C B	0.019	0.0011	ng/g	☼	05/03/18 10:07	05/15/18 17:35	1
PCB-109	0.13	C86 B	0.057	0.00030	ng/g	☼	05/03/18 10:07	05/15/18 17:35	1
PCB-110	0.28	C	0.019	0.00025	ng/g	☼	05/03/18 10:07	05/15/18 17:35	1
PCB-111	ND		0.0096	0.00024	ng/g	☼	05/03/18 10:07	05/15/18 17:35	1
PCB-112	ND		0.0096	0.00025	ng/g	☼	05/03/18 10:07	05/15/18 17:35	1
PCB-113	0.34	C90 B	0.029	0.00030	ng/g	☼	05/03/18 10:07	05/15/18 17:35	1
PCB-114	0.0020	J q	0.0096	0.00096	ng/g	☼	05/03/18 10:07	05/15/18 17:35	1
PCB-115	0.28	C110	0.019	0.00025	ng/g	☼	05/03/18 10:07	05/15/18 17:35	1
PCB-116	0.036	C85 B	0.029	0.00029	ng/g	☼	05/03/18 10:07	05/15/18 17:35	1
PCB-117	0.036	C85 B	0.029	0.00029	ng/g	☼	05/03/18 10:07	05/15/18 17:35	1
PCB-118	0.20	B	0.0096	0.00098	ng/g	☼	05/03/18 10:07	05/15/18 17:35	1
PCB-119	0.13	C86 B	0.057	0.00030	ng/g	☼	05/03/18 10:07	05/15/18 17:35	1
PCB-120	0.0027	J	0.0096	0.00025	ng/g	☼	05/03/18 10:07	05/15/18 17:35	1
PCB-121	ND		0.0096	0.00025	ng/g	☼	05/03/18 10:07	05/15/18 17:35	1
PCB-122	ND		0.0096	0.0012	ng/g	☼	05/03/18 10:07	05/15/18 17:35	1
PCB-123	0.0037	J q B	0.0096	0.0011	ng/g	☼	05/03/18 10:07	05/15/18 17:35	1
PCB-124	0.0066	J C108 B	0.019	0.0011	ng/g	☼	05/03/18 10:07	05/15/18 17:35	1
PCB-125	0.13	C86 B	0.057	0.00030	ng/g	☼	05/03/18 10:07	05/15/18 17:35	1
PCB-126	ND		0.0096	0.0011	ng/g	☼	05/03/18 10:07	05/15/18 17:35	1
PCB-127	ND		0.0096	0.0010	ng/g	☼	05/03/18 10:07	05/15/18 17:35	1
PCB-128	0.065	C	0.019	0.0023	ng/g	☼	05/03/18 10:07	05/15/18 17:35	1
PCB-129	0.64	C B	0.038	0.0024	ng/g	☼	05/03/18 10:07	05/15/18 17:35	1
PCB-130	0.034		0.0096	0.0032	ng/g	☼	05/03/18 10:07	05/15/18 17:35	1
PCB-131	ND		0.0096	0.0033	ng/g	☼	05/03/18 10:07	05/15/18 17:35	1
PCB-132	0.17	B	0.0096	0.0031	ng/g	☼	05/03/18 10:07	05/15/18 17:35	1
PCB-133	0.012		0.0096	0.0030	ng/g	☼	05/03/18 10:07	05/15/18 17:35	1
PCB-134	0.031	C	0.019	0.0031	ng/g	☼	05/03/18 10:07	05/15/18 17:35	1
PCB-135	0.27	C	0.019	0.00053	ng/g	☼	05/03/18 10:07	05/15/18 17:35	1
PCB-136	0.098		0.0096	0.00038	ng/g	☼	05/03/18 10:07	05/15/18 17:35	1
PCB-137	0.016	q	0.0096	0.0027	ng/g	☼	05/03/18 10:07	05/15/18 17:35	1
PCB-138	0.64	C129 B	0.038	0.0024	ng/g	☼	05/03/18 10:07	05/15/18 17:35	1
PCB-139	ND	C	0.019	0.0027	ng/g	☼	05/03/18 10:07	05/15/18 17:35	1
PCB-140	ND	C139	0.019	0.0027	ng/g	☼	05/03/18 10:07	05/15/18 17:35	1
PCB-141	0.13		0.0096	0.0028	ng/g	☼	05/03/18 10:07	05/15/18 17:35	1
PCB-142	ND		0.0096	0.0030	ng/g	☼	05/03/18 10:07	05/15/18 17:35	1
PCB-143	0.031	C134	0.019	0.0031	ng/g	☼	05/03/18 10:07	05/15/18 17:35	1
PCB-144	0.027		0.0096	0.00048	ng/g	☼	05/03/18 10:07	05/15/18 17:35	1
PCB-145	ND		0.0096	0.00036	ng/g	☼	05/03/18 10:07	05/15/18 17:35	1
PCB-146	0.12		0.0096	0.0027	ng/g	☼	05/03/18 10:07	05/15/18 17:35	1
PCB-147	0.67	C	0.019	0.0030	ng/g	☼	05/03/18 10:07	05/15/18 17:35	1

Client Sample ID: PDI-SG-B366-BL1
Date Collected: 04/24/18 11:40
Date Received: 04/25/18 13:55

Lab Sample ID: 580-76830-15
Matrix: Solid
Percent Solids: 64.0

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-148	0.0038	J	0.0096	0.00051	ng/g	☼	05/03/18 10:07	05/15/18 17:35	1
PCB-149	0.67	C147	0.019	0.0030	ng/g	☼	05/03/18 10:07	05/15/18 17:35	1
PCB-150	0.0026	J	0.0096	0.00035	ng/g	☼	05/03/18 10:07	05/15/18 17:35	1
PCB-151	0.27	C135	0.019	0.00053	ng/g	☼	05/03/18 10:07	05/15/18 17:35	1
PCB-152	ND		0.0096	0.00037	ng/g	☼	05/03/18 10:07	05/15/18 17:35	1
PCB-153	0.65	C B	0.019	0.0021	ng/g	☼	05/03/18 10:07	05/15/18 17:35	1
PCB-154	0.015		0.0096	0.00041	ng/g	☼	05/03/18 10:07	05/15/18 17:35	1
PCB-155	ND		0.0096	0.00035	ng/g	☼	05/03/18 10:07	05/15/18 17:35	1
PCB-156	0.067	C B	0.019	0.0025	ng/g	☼	05/03/18 10:07	05/15/18 17:35	1
PCB-157	0.067	C156 B	0.019	0.0025	ng/g	☼	05/03/18 10:07	05/15/18 17:35	1
PCB-158	0.056		0.0096	0.0019	ng/g	☼	05/03/18 10:07	05/15/18 17:35	1
PCB-159	ND		0.0096	0.0020	ng/g	☼	05/03/18 10:07	05/15/18 17:35	1
PCB-160	0.64	C129 B	0.038	0.0024	ng/g	☼	05/03/18 10:07	05/15/18 17:35	1
PCB-161	ND		0.0096	0.0020	ng/g	☼	05/03/18 10:07	05/15/18 17:35	1
PCB-162	ND		0.0096	0.0020	ng/g	☼	05/03/18 10:07	05/15/18 17:35	1
PCB-163	0.64	C129 B	0.038	0.0024	ng/g	☼	05/03/18 10:07	05/15/18 17:35	1
PCB-164	0.042		0.0096	0.0021	ng/g	☼	05/03/18 10:07	05/15/18 17:35	1
PCB-165	ND		0.0096	0.0023	ng/g	☼	05/03/18 10:07	05/15/18 17:35	1
PCB-166	0.065	C128	0.019	0.0023	ng/g	☼	05/03/18 10:07	05/15/18 17:35	1
PCB-167	0.021		0.0096	0.0016	ng/g	☼	05/03/18 10:07	05/15/18 17:35	1
PCB-168	0.65	C153 B	0.019	0.0021	ng/g	☼	05/03/18 10:07	05/15/18 17:35	1
PCB-169	ND		0.0096	0.0015	ng/g	☼	05/03/18 10:07	05/15/18 17:35	1
PCB-170	0.21		0.0096	0.00092	ng/g	☼	05/03/18 10:07	05/15/18 17:35	1
PCB-171	0.065	C	0.019	0.00090	ng/g	☼	05/03/18 10:07	05/15/18 17:35	1
PCB-172	0.039	B	0.0096	0.00089	ng/g	☼	05/03/18 10:07	05/15/18 17:35	1
PCB-173	0.065	C171	0.019	0.00090	ng/g	☼	05/03/18 10:07	05/15/18 17:35	1
PCB-174	0.23		0.0096	0.00084	ng/g	☼	05/03/18 10:07	05/15/18 17:35	1
PCB-175	0.0096		0.0096	0.00081	ng/g	☼	05/03/18 10:07	05/15/18 17:35	1
PCB-176	0.029		0.0096	0.00061	ng/g	☼	05/03/18 10:07	05/15/18 17:35	1
PCB-177	0.13		0.0096	0.00086	ng/g	☼	05/03/18 10:07	05/15/18 17:35	1
PCB-178	0.052		0.0096	0.00088	ng/g	☼	05/03/18 10:07	05/15/18 17:35	1
PCB-179	0.11		0.0096	0.00065	ng/g	☼	05/03/18 10:07	05/15/18 17:35	1
PCB-180	0.55	C B	0.019	0.00068	ng/g	☼	05/03/18 10:07	05/15/18 17:35	1
PCB-181	ND		0.0096	0.00081	ng/g	☼	05/03/18 10:07	05/15/18 17:35	1
PCB-182	0.0017	J q	0.0096	0.00078	ng/g	☼	05/03/18 10:07	05/15/18 17:35	1
PCB-183	0.17	C B	0.019	0.00079	ng/g	☼	05/03/18 10:07	05/15/18 17:35	1
PCB-184	ND		0.0096	0.00066	ng/g	☼	05/03/18 10:07	05/15/18 17:35	1
PCB-185	0.17	C183 B	0.019	0.00079	ng/g	☼	05/03/18 10:07	05/15/18 17:35	1
PCB-186	ND		0.0096	0.00065	ng/g	☼	05/03/18 10:07	05/15/18 17:35	1
PCB-187	0.32	B	0.0096	0.00075	ng/g	☼	05/03/18 10:07	05/15/18 17:35	1
PCB-188	ND		0.0096	0.00058	ng/g	☼	05/03/18 10:07	05/15/18 17:35	1
PCB-189	0.0081	J B	0.0096	0.0012	ng/g	☼	05/03/18 10:07	05/15/18 17:35	1
PCB-190	0.043		0.0096	0.00059	ng/g	☼	05/03/18 10:07	05/15/18 17:35	1
PCB-191	0.0089	J B	0.0096	0.00061	ng/g	☼	05/03/18 10:07	05/15/18 17:35	1
PCB-192	ND		0.0096	0.00068	ng/g	☼	05/03/18 10:07	05/15/18 17:35	1
PCB-193	0.55	C180 B	0.019	0.00068	ng/g	☼	05/03/18 10:07	05/15/18 17:35	1
PCB-194	0.16	B	0.0096	0.0018	ng/g	☼	05/03/18 10:07	05/15/18 17:35	1
PCB-195	0.056		0.0096	0.0019	ng/g	☼	05/03/18 10:07	05/15/18 17:35	1
PCB-196	0.079	B	0.0096	0.00072	ng/g	☼	05/03/18 10:07	05/15/18 17:35	1

Client Sample ID: PDI-SG-B366-BL1
Date Collected: 04/24/18 11:40
Date Received: 04/25/18 13:55

Lab Sample ID: 580-76830-15
Matrix: Solid
Percent Solids: 64.0

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-197	0.0038	J q	0.0096	0.00055	ng/g	☼	05/03/18 10:07	05/15/18 17:35	1
PCB-198	0.16	C	0.019	0.00073	ng/g	☼	05/03/18 10:07	05/15/18 17:35	1
PCB-199	0.16	C198	0.019	0.00073	ng/g	☼	05/03/18 10:07	05/15/18 17:35	1
PCB-200	0.016	B	0.0096	0.00049	ng/g	☼	05/03/18 10:07	05/15/18 17:35	1
PCB-201	0.020		0.0096	0.00050	ng/g	☼	05/03/18 10:07	05/15/18 17:35	1
PCB-202	0.030		0.0096	0.00056	ng/g	☼	05/03/18 10:07	05/15/18 17:35	1
PCB-203	0.12		0.0096	0.00065	ng/g	☼	05/03/18 10:07	05/15/18 17:35	1
PCB-204	ND		0.0096	0.00055	ng/g	☼	05/03/18 10:07	05/15/18 17:35	1
PCB-205	0.0076	J B	0.0096	0.0015	ng/g	☼	05/03/18 10:07	05/15/18 17:35	1
PCB-206	0.094		0.0096	0.0015	ng/g	☼	05/03/18 10:07	05/15/18 17:35	1
PCB-207	0.011		0.0096	0.0011	ng/g	☼	05/03/18 10:07	05/15/18 17:35	1
PCB-208	0.024		0.0096	0.0012	ng/g	☼	05/03/18 10:07	05/15/18 17:35	1
PCB-209	0.033	q	0.0096	0.00039	ng/g	☼	05/03/18 10:07	05/15/18 17:35	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
PCB-1L	*82*		*30 - 140*	*05/03/18 10:07*	*05/15/18 17:35*	*1*
PCB-3L	*90*		*30 - 140*	*05/03/18 10:07*	*05/15/18 17:35*	*1*
PCB-4L	*74*		*30 - 140*	*05/03/18 10:07*	*05/15/18 17:35*	*1*
PCB-15L	*75*		*30 - 140*	*05/03/18 10:07*	*05/15/18 17:35*	*1*
PCB-19L	*84*		*30 - 140*	*05/03/18 10:07*	*05/15/18 17:35*	*1*
PCB-37L	*83*		*30 - 140*	*05/03/18 10:07*	*05/15/18 17:35*	*1*
PCB-54L	*84*		*30 - 140*	*05/03/18 10:07*	*05/15/18 17:35*	*1*
PCB-77L	*82*		*30 - 140*	*05/03/18 10:07*	*05/15/18 17:35*	*1*
PCB-81L	*82*		*30 - 140*	*05/03/18 10:07*	*05/15/18 17:35*	*1*
PCB-104L	*74*		*30 - 140*	*05/03/18 10:07*	*05/15/18 17:35*	*1*
PCB-105L	*86*		*30 - 140*	*05/03/18 10:07*	*05/15/18 17:35*	*1*
PCB-114L	*90*		*30 - 140*	*05/03/18 10:07*	*05/15/18 17:35*	*1*
PCB-118L	*87*		*30 - 140*	*05/03/18 10:07*	*05/15/18 17:35*	*1*
PCB-123L	*86*		*30 - 140*	*05/03/18 10:07*	*05/15/18 17:35*	*1*
PCB-126L	*84*		*30 - 140*	*05/03/18 10:07*	*05/15/18 17:35*	*1*
PCB-155L	*82*		*30 - 140*	*05/03/18 10:07*	*05/15/18 17:35*	*1*
PCB-156L	*90*	*C*	*30 - 140*	*05/03/18 10:07*	*05/15/18 17:35*	*1*
PCB-157L	*90*	*C156*	*30 - 140*	*05/03/18 10:07*	*05/15/18 17:35*	*1*
PCB-167L	*91*		*30 - 140*	*05/03/18 10:07*	*05/15/18 17:35*	*1*
PCB-169L	*99*		*30 - 140*	*05/03/18 10:07*	*05/15/18 17:35*	*1*
PCB-170L	*83*		*30 - 140*	*05/03/18 10:07*	*05/15/18 17:35*	*1*
PCB-188L	*83*		*30 - 140*	*05/03/18 10:07*	*05/15/18 17:35*	*1*
PCB-189L	*101*		*30 - 140*	*05/03/18 10:07*	*05/15/18 17:35*	*1*
PCB-202L	*89*		*30 - 140*	*05/03/18 10:07*	*05/15/18 17:35*	*1*
PCB-205L	*74*		*30 - 140*	*05/03/18 10:07*	*05/15/18 17:35*	*1*
PCB-206L	*72*		*30 - 140*	*05/03/18 10:07*	*05/15/18 17:35*	*1*
PCB-208L	*72*		*30 - 140*	*05/03/18 10:07*	*05/15/18 17:35*	*1*
PCB-209L	*68*		*30 - 140*	*05/03/18 10:07*	*05/15/18 17:35*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
PCB-28L	*94*		*40 - 125*	*05/03/18 10:07*	*05/15/18 17:35*	*1*
PCB-111L	*93*		*40 - 125*	*05/03/18 10:07*	*05/15/18 17:35*	*1*
PCB-178L	*88*		*40 - 125*	*05/03/18 10:07*	*05/15/18 17:35*	*1*

Client Sample ID: PDI-SG-B366-BL1-D
Date Collected: 04/24/18 11:40
Date Received: 04/25/18 13:55

Lab Sample ID: 580-76830-16
Matrix: Solid
Percent Solids: 59.1

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1	ND		0.010	0.00030	ng/g	☼	05/03/18 10:07	05/15/18 18:37	1
PCB-2	**0.0045**	**J q**	0.010	0.00032	ng/g	☼	05/03/18 10:07	05/15/18 18:37	1
PCB-3	**0.0016**	**J q B**	0.010	0.00032	ng/g	☼	05/03/18 10:07	05/15/18 18:37	1
PCB-4	**0.019**	**J q**	0.020	0.0046	ng/g	☼	05/03/18 10:07	05/15/18 18:37	1
PCB-5	ND		0.010	0.0036	ng/g	☼	05/03/18 10:07	05/15/18 18:37	1
PCB-6	**0.0050**	**J q**	0.010	0.0032	ng/g	☼	05/03/18 10:07	05/15/18 18:37	1
PCB-7	ND		0.010	0.0033	ng/g	☼	05/03/18 10:07	05/15/18 18:37	1
PCB-8	**0.0090**	**J**	0.020	0.0029	ng/g	☼	05/03/18 10:07	05/15/18 18:37	1
PCB-9	ND		0.010	0.0033	ng/g	☼	05/03/18 10:07	05/15/18 18:37	1
PCB-10	ND		0.010	0.0036	ng/g	☼	05/03/18 10:07	05/15/18 18:37	1
PCB-11	**0.038**	**B**	0.020	0.0031	ng/g	☼	05/03/18 10:07	05/15/18 18:37	1
PCB-12	ND	C	0.020	0.0032	ng/g	☼	05/03/18 10:07	05/15/18 18:37	1
PCB-13	ND	C12	0.020	0.0032	ng/g	☼	05/03/18 10:07	05/15/18 18:37	1
PCB-14	ND		0.010	0.0027	ng/g	☼	05/03/18 10:07	05/15/18 18:37	1
PCB-15	**0.0092**	**J q**	0.010	0.0033	ng/g	☼	05/03/18 10:07	05/15/18 18:37	1
PCB-16	**0.010**		0.010	0.00065	ng/g	☼	05/03/18 10:07	05/15/18 18:37	1
PCB-17	**0.022**		0.010	0.00059	ng/g	☼	05/03/18 10:07	05/15/18 18:37	1
PCB-18	**0.026**	**C**	0.020	0.00052	ng/g	☼	05/03/18 10:07	05/15/18 18:37	1
PCB-19	**0.039**		0.010	0.00072	ng/g	☼	05/03/18 10:07	05/15/18 18:37	1
PCB-20	**0.056**	**C**	0.020	0.00081	ng/g	☼	05/03/18 10:07	05/15/18 18:37	1
PCB-21	**0.020**	**q C B**	0.020	0.00079	ng/g	☼	05/03/18 10:07	05/15/18 18:37	1
PCB-22	**0.013**		0.010	0.00082	ng/g	☼	05/03/18 10:07	05/15/18 18:37	1
PCB-23	ND		0.010	0.00082	ng/g	☼	05/03/18 10:07	05/15/18 18:37	1
PCB-24	ND		0.010	0.00049	ng/g	☼	05/03/18 10:07	05/15/18 18:37	1
PCB-25	**0.0063**	**J**	0.010	0.00074	ng/g	☼	05/03/18 10:07	05/15/18 18:37	1
PCB-26	**0.011**	**J q C**	0.020	0.00079	ng/g	☼	05/03/18 10:07	05/15/18 18:37	1
PCB-27	**0.0045**	**J q**	0.010	0.00043	ng/g	☼	05/03/18 10:07	05/15/18 18:37	1
PCB-28	**0.056**	**C20**	0.020	0.00081	ng/g	☼	05/03/18 10:07	05/15/18 18:37	1
PCB-29	**0.011**	**J q C26**	0.020	0.00079	ng/g	☼	05/03/18 10:07	05/15/18 18:37	1
PCB-30	**0.026**	**C18**	0.020	0.00052	ng/g	☼	05/03/18 10:07	05/15/18 18:37	1
PCB-31	**0.040**		0.020	0.00079	ng/g	☼	05/03/18 10:07	05/15/18 18:37	1
PCB-32	**0.015**		0.010	0.00041	ng/g	☼	05/03/18 10:07	05/15/18 18:37	1
PCB-33	**0.020**	**q C21 B**	0.020	0.00079	ng/g	☼	05/03/18 10:07	05/15/18 18:37	1
PCB-34	ND		0.010	0.00085	ng/g	☼	05/03/18 10:07	05/15/18 18:37	1
PCB-35	ND		0.010	0.00083	ng/g	☼	05/03/18 10:07	05/15/18 18:37	1
PCB-36	ND		0.010	0.00079	ng/g	☼	05/03/18 10:07	05/15/18 18:37	1
PCB-37	**0.013**	**B**	0.010	0.00082	ng/g	☼	05/03/18 10:07	05/15/18 18:37	1
PCB-38	ND		0.010	0.00086	ng/g	☼	05/03/18 10:07	05/15/18 18:37	1
PCB-39	ND		0.010	0.00077	ng/g	☼	05/03/18 10:07	05/15/18 18:37	1
PCB-40	**0.041**	**C**	0.030	0.0020	ng/g	☼	05/03/18 10:07	05/15/18 18:37	1
PCB-41	**0.041**	**C40**	0.030	0.0020	ng/g	☼	05/03/18 10:07	05/15/18 18:37	1
PCB-42	**0.019**		0.010	0.0020	ng/g	☼	05/03/18 10:07	05/15/18 18:37	1
PCB-43	**0.0050**	**J q C**	0.020	0.0019	ng/g	☼	05/03/18 10:07	05/15/18 18:37	1
PCB-44	**0.14**	**C B**	0.030	0.0018	ng/g	☼	05/03/18 10:07	05/15/18 18:37	1
PCB-45	**0.054**	**C**	0.020	0.0021	ng/g	☼	05/03/18 10:07	05/15/18 18:37	1
PCB-46	ND		0.010	0.0026	ng/g	☼	05/03/18 10:07	05/15/18 18:37	1
PCB-47	**0.14**	**C44 B**	0.030	0.0018	ng/g	☼	05/03/18 10:07	05/15/18 18:37	1
PCB-48	**0.0091**	**J q**	0.010	0.0020	ng/g	☼	05/03/18 10:07	05/15/18 18:37	1
PCB-49	**0.10**	**C**	0.020	0.0016	ng/g	☼	05/03/18 10:07	05/15/18 18:37	1

Client Sample ID: PDI-SG-B366-BL1-D
Date Collected: 04/24/18 11:40
Date Received: 04/25/18 13:55

Lab Sample ID: 580-76830-16
Matrix: Solid
Percent Solids: 59.1

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-50	0.047	C	0.020	0.0020	ng/g	☼	05/03/18 10:07	05/15/18 18:37	1
PCB-51	0.054	C45	0.020	0.0021	ng/g	☼	05/03/18 10:07	05/15/18 18:37	1
PCB-52	0.18		0.010	0.0020	ng/g	☼	05/03/18 10:07	05/15/18 18:37	1
PCB-53	0.047	C50	0.020	0.0020	ng/g	☼	05/03/18 10:07	05/15/18 18:37	1
PCB-54	0.011		0.010	0.00014	ng/g	☼	05/03/18 10:07	05/15/18 18:37	1
PCB-55	ND		0.010	0.0015	ng/g	☼	05/03/18 10:07	05/15/18 18:37	1
PCB-56	0.028	q	0.010	0.0015	ng/g	☼	05/03/18 10:07	05/15/18 18:37	1
PCB-57	ND		0.010	0.0015	ng/g	☼	05/03/18 10:07	05/15/18 18:37	1
PCB-58	ND		0.010	0.0015	ng/g	☼	05/03/18 10:07	05/15/18 18:37	1
PCB-59	0.0097	J C	0.030	0.0014	ng/g	☼	05/03/18 10:07	05/15/18 18:37	1
PCB-60	0.0092	J q	0.010	0.0015	ng/g	☼	05/03/18 10:07	05/15/18 18:37	1
PCB-61	0.13	C	0.040	0.0014	ng/g	☼	05/03/18 10:07	05/15/18 18:37	1
PCB-62	0.0097	J C59	0.030	0.0014	ng/g	☼	05/03/18 10:07	05/15/18 18:37	1
PCB-63	ND		0.010	0.0014	ng/g	☼	05/03/18 10:07	05/15/18 18:37	1
PCB-64	0.028		0.010	0.0013	ng/g	☼	05/03/18 10:07	05/15/18 18:37	1
PCB-65	0.14	C44 B	0.030	0.0018	ng/g	☼	05/03/18 10:07	05/15/18 18:37	1
PCB-66	0.084		0.010	0.0014	ng/g	☼	05/03/18 10:07	05/15/18 18:37	1
PCB-67	ND		0.010	0.0013	ng/g	☼	05/03/18 10:07	05/15/18 18:37	1
PCB-68	ND		0.010	0.0013	ng/g	☼	05/03/18 10:07	05/15/18 18:37	1
PCB-69	0.10	C49	0.020	0.0016	ng/g	☼	05/03/18 10:07	05/15/18 18:37	1
PCB-70	0.13	C61	0.040	0.0014	ng/g	☼	05/03/18 10:07	05/15/18 18:37	1
PCB-71	0.041	C40	0.030	0.0020	ng/g	☼	05/03/18 10:07	05/15/18 18:37	1
PCB-72	0.0029	J	0.010	0.0015	ng/g	☼	05/03/18 10:07	05/15/18 18:37	1
PCB-73	0.0050	J q C43	0.020	0.0019	ng/g	☼	05/03/18 10:07	05/15/18 18:37	1
PCB-74	0.13	C61	0.040	0.0014	ng/g	☼	05/03/18 10:07	05/15/18 18:37	1
PCB-75	0.0097	J C59	0.030	0.0014	ng/g	☼	05/03/18 10:07	05/15/18 18:37	1
PCB-76	0.13	C61	0.040	0.0014	ng/g	☼	05/03/18 10:07	05/15/18 18:37	1
PCB-77	0.0090	J	0.010	0.0015	ng/g	☼	05/03/18 10:07	05/15/18 18:37	1
PCB-78	ND		0.010	0.0015	ng/g	☼	05/03/18 10:07	05/15/18 18:37	1
PCB-79	ND		0.010	0.0013	ng/g	☼	05/03/18 10:07	05/15/18 18:37	1
PCB-80	ND		0.010	0.0013	ng/g	☼	05/03/18 10:07	05/15/18 18:37	1
PCB-81	ND		0.010	0.0013	ng/g	☼	05/03/18 10:07	05/15/18 18:37	1
PCB-82	0.018		0.010	0.00087	ng/g	☼	05/03/18 10:07	05/15/18 18:37	1
PCB-83	0.15	C	0.020	0.00080	ng/g	☼	05/03/18 10:07	05/15/18 18:37	1
PCB-84	0.047		0.010	0.00088	ng/g	☼	05/03/18 10:07	05/15/18 18:37	1
PCB-85	0.035	C B	0.030	0.00065	ng/g	☼	05/03/18 10:07	05/15/18 18:37	1
PCB-86	0.14	C B	0.060	0.00065	ng/g	☼	05/03/18 10:07	05/15/18 18:37	1
PCB-87	0.14	C86 B	0.060	0.00065	ng/g	☼	05/03/18 10:07	05/15/18 18:37	1
PCB-88	0.048	q C	0.020	0.00079	ng/g	☼	05/03/18 10:07	05/15/18 18:37	1
PCB-89	ND		0.010	0.00086	ng/g	☼	05/03/18 10:07	05/15/18 18:37	1
PCB-90	0.31	C B	0.030	0.00066	ng/g	☼	05/03/18 10:07	05/15/18 18:37	1
PCB-91	0.048	q C88	0.020	0.00079	ng/g	☼	05/03/18 10:07	05/15/18 18:37	1
PCB-92	0.059		0.010	0.00075	ng/g	☼	05/03/18 10:07	05/15/18 18:37	1
PCB-93	0.019	J C	0.020	0.00076	ng/g	☼	05/03/18 10:07	05/15/18 18:37	1
PCB-94	ND		0.010	0.00086	ng/g	☼	05/03/18 10:07	05/15/18 18:37	1
PCB-95	0.29		0.010	0.00083	ng/g	☼	05/03/18 10:07	05/15/18 18:37	1
PCB-96	0.0059	J	0.010	0.00065	ng/g	☼	05/03/18 10:07	05/15/18 18:37	1
PCB-97	0.14	C86 B	0.060	0.00065	ng/g	☼	05/03/18 10:07	05/15/18 18:37	1
PCB-98	0.0092	J C	0.020	0.00073	ng/g	☼	05/03/18 10:07	05/15/18 18:37	1

Client Sample ID: PDI-SG-B366-BL1-D
Date Collected: 04/24/18 11:40
Date Received: 04/25/18 13:55

Lab Sample ID: 580-76830-16
Matrix: Solid
Percent Solids: 59.1

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-99	0.15	C83	0.020	0.00080	ng/g	☼	05/03/18 10:07	05/15/18 18:37	1
PCB-100	0.019	J C93	0.020	0.00076	ng/g	☼	05/03/18 10:07	05/15/18 18:37	1
PCB-101	0.31	C90 B	0.030	0.00066	ng/g	☼	05/03/18 10:07	05/15/18 18:37	1
PCB-102	0.0092	J C98	0.020	0.00073	ng/g	☼	05/03/18 10:07	05/15/18 18:37	1
PCB-103	0.019		0.010	0.00076	ng/g	☼	05/03/18 10:07	05/15/18 18:37	1
PCB-104	ND		0.010	0.00057	ng/g	☼	05/03/18 10:07	05/15/18 18:37	1
PCB-105	0.056		0.010	0.0014	ng/g	☼	05/03/18 10:07	05/15/18 18:37	1
PCB-106	ND		0.010	0.0015	ng/g	☼	05/03/18 10:07	05/15/18 18:37	1
PCB-107	0.019	q	0.010	0.0016	ng/g	☼	05/03/18 10:07	05/15/18 18:37	1
PCB-108	0.0051	J C B	0.020	0.0015	ng/g	☼	05/03/18 10:07	05/15/18 18:37	1
PCB-109	0.14	C86 B	0.060	0.00065	ng/g	☼	05/03/18 10:07	05/15/18 18:37	1
PCB-110	0.27	C	0.020	0.00055	ng/g	☼	05/03/18 10:07	05/15/18 18:37	1
PCB-111	ND		0.010	0.00053	ng/g	☼	05/03/18 10:07	05/15/18 18:37	1
PCB-112	ND		0.010	0.00056	ng/g	☼	05/03/18 10:07	05/15/18 18:37	1
PCB-113	0.31	C90 B	0.030	0.00066	ng/g	☼	05/03/18 10:07	05/15/18 18:37	1
PCB-114	ND		0.010	0.0014	ng/g	☼	05/03/18 10:07	05/15/18 18:37	1
PCB-115	0.27	C110	0.020	0.00055	ng/g	☼	05/03/18 10:07	05/15/18 18:37	1
PCB-116	0.035	C85 B	0.030	0.00065	ng/g	☼	05/03/18 10:07	05/15/18 18:37	1
PCB-117	0.035	C85 B	0.030	0.00065	ng/g	☼	05/03/18 10:07	05/15/18 18:37	1
PCB-118	0.18	B	0.010	0.0013	ng/g	☼	05/03/18 10:07	05/15/18 18:37	1
PCB-119	0.14	C86 B	0.060	0.00065	ng/g	☼	05/03/18 10:07	05/15/18 18:37	1
PCB-120	ND		0.010	0.00054	ng/g	☼	05/03/18 10:07	05/15/18 18:37	1
PCB-121	ND		0.010	0.00056	ng/g	☼	05/03/18 10:07	05/15/18 18:37	1
PCB-122	ND		0.010	0.0017	ng/g	☼	05/03/18 10:07	05/15/18 18:37	1
PCB-123	0.0033	J B	0.010	0.0015	ng/g	☼	05/03/18 10:07	05/15/18 18:37	1
PCB-124	0.0051	J C108 B	0.020	0.0015	ng/g	☼	05/03/18 10:07	05/15/18 18:37	1
PCB-125	0.14	C86 B	0.060	0.00065	ng/g	☼	05/03/18 10:07	05/15/18 18:37	1
PCB-126	ND		0.010	0.0015	ng/g	☼	05/03/18 10:07	05/15/18 18:37	1
PCB-127	ND		0.010	0.0015	ng/g	☼	05/03/18 10:07	05/15/18 18:37	1
PCB-128	0.048	C	0.020	0.0023	ng/g	☼	05/03/18 10:07	05/15/18 18:37	1
PCB-129	0.48	C B	0.040	0.0023	ng/g	☼	05/03/18 10:07	05/15/18 18:37	1
PCB-130	0.024		0.010	0.0031	ng/g	☼	05/03/18 10:07	05/15/18 18:37	1
PCB-131	ND		0.010	0.0032	ng/g	☼	05/03/18 10:07	05/15/18 18:37	1
PCB-132	0.15	B	0.010	0.0030	ng/g	☼	05/03/18 10:07	05/15/18 18:37	1
PCB-133	0.0085	J q	0.010	0.0029	ng/g	☼	05/03/18 10:07	05/15/18 18:37	1
PCB-134	0.022	q C	0.020	0.0030	ng/g	☼	05/03/18 10:07	05/15/18 18:37	1
PCB-135	0.22	C	0.020	0.00051	ng/g	☼	05/03/18 10:07	05/15/18 18:37	1
PCB-136	0.084		0.010	0.00037	ng/g	☼	05/03/18 10:07	05/15/18 18:37	1
PCB-137	ND		0.010	0.0026	ng/g	☼	05/03/18 10:07	05/15/18 18:37	1
PCB-138	0.48	C129 B	0.040	0.0023	ng/g	☼	05/03/18 10:07	05/15/18 18:37	1
PCB-139	0.0074	J q C B	0.020	0.0026	ng/g	☼	05/03/18 10:07	05/15/18 18:37	1
PCB-140	0.0074	J q C139 B	0.020	0.0026	ng/g	☼	05/03/18 10:07	05/15/18 18:37	1
PCB-141	0.099		0.010	0.0027	ng/g	☼	05/03/18 10:07	05/15/18 18:37	1
PCB-142	ND		0.010	0.0029	ng/g	☼	05/03/18 10:07	05/15/18 18:37	1
PCB-143	0.022	q C134	0.020	0.0030	ng/g	☼	05/03/18 10:07	05/15/18 18:37	1
PCB-144	0.020		0.010	0.00046	ng/g	☼	05/03/18 10:07	05/15/18 18:37	1
PCB-145	ND		0.010	0.00035	ng/g	☼	05/03/18 10:07	05/15/18 18:37	1
PCB-146	0.11		0.010	0.0026	ng/g	☼	05/03/18 10:07	05/15/18 18:37	1
PCB-147	0.57	C	0.020	0.0029	ng/g	☼	05/03/18 10:07	05/15/18 18:37	1

Client Sample ID: PDI-SG-B366-BL1-D
Date Collected: 04/24/18 11:40
Date Received: 04/25/18 13:55

Lab Sample ID: 580-76830-16
Matrix: Solid
Percent Solids: 59.1

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-148	0.0030	J	0.010	0.00049	ng/g	☼	05/03/18 10:07	05/15/18 18:37	1
PCB-149	0.57	C147	0.020	0.0029	ng/g	☼	05/03/18 10:07	05/15/18 18:37	1
PCB-150	0.0053	J	0.010	0.00033	ng/g	☼	05/03/18 10:07	05/15/18 18:37	1
PCB-151	0.22	C135	0.020	0.00051	ng/g	☼	05/03/18 10:07	05/15/18 18:37	1
PCB-152	ND		0.010	0.00036	ng/g	☼	05/03/18 10:07	05/15/18 18:37	1
PCB-153	0.49	C B	0.020	0.0020	ng/g	☼	05/03/18 10:07	05/15/18 18:37	1
PCB-154	0.011	q	0.010	0.00040	ng/g	☼	05/03/18 10:07	05/15/18 18:37	1
PCB-155	ND		0.010	0.00033	ng/g	☼	05/03/18 10:07	05/15/18 18:37	1
PCB-156	0.035	C B	0.020	0.0025	ng/g	☼	05/03/18 10:07	05/15/18 18:37	1
PCB-157	0.035	C156 B	0.020	0.0025	ng/g	☼	05/03/18 10:07	05/15/18 18:37	1
PCB-158	0.033	q	0.010	0.0018	ng/g	☼	05/03/18 10:07	05/15/18 18:37	1
PCB-159	0.0051	J	0.010	0.0019	ng/g	☼	05/03/18 10:07	05/15/18 18:37	1
PCB-160	0.48	C129 B	0.040	0.0023	ng/g	☼	05/03/18 10:07	05/15/18 18:37	1
PCB-161	ND		0.010	0.0019	ng/g	☼	05/03/18 10:07	05/15/18 18:37	1
PCB-162	ND		0.010	0.0019	ng/g	☼	05/03/18 10:07	05/15/18 18:37	1
PCB-163	0.48	C129 B	0.040	0.0023	ng/g	☼	05/03/18 10:07	05/15/18 18:37	1
PCB-164	0.037		0.010	0.0020	ng/g	☼	05/03/18 10:07	05/15/18 18:37	1
PCB-165	ND		0.010	0.0022	ng/g	☼	05/03/18 10:07	05/15/18 18:37	1
PCB-166	0.048	C128	0.020	0.0023	ng/g	☼	05/03/18 10:07	05/15/18 18:37	1
PCB-167	0.011		0.010	0.0015	ng/g	☼	05/03/18 10:07	05/15/18 18:37	1
PCB-168	0.49	C153 B	0.020	0.0020	ng/g	☼	05/03/18 10:07	05/15/18 18:37	1
PCB-169	ND		0.010	0.0015	ng/g	☼	05/03/18 10:07	05/15/18 18:37	1
PCB-170	0.14		0.010	0.0016	ng/g	☼	05/03/18 10:07	05/15/18 18:37	1
PCB-171	0.045	C	0.020	0.0016	ng/g	☼	05/03/18 10:07	05/15/18 18:37	1
PCB-172	0.020	q B	0.010	0.0016	ng/g	☼	05/03/18 10:07	05/15/18 18:37	1
PCB-173	0.045	C171	0.020	0.0016	ng/g	☼	05/03/18 10:07	05/15/18 18:37	1
PCB-174	0.17		0.010	0.0015	ng/g	☼	05/03/18 10:07	05/15/18 18:37	1
PCB-175	0.0064	J q	0.010	0.0014	ng/g	☼	05/03/18 10:07	05/15/18 18:37	1
PCB-176	0.020		0.010	0.0011	ng/g	☼	05/03/18 10:07	05/15/18 18:37	1
PCB-177	0.10		0.010	0.0015	ng/g	☼	05/03/18 10:07	05/15/18 18:37	1
PCB-178	0.044		0.010	0.0015	ng/g	☼	05/03/18 10:07	05/15/18 18:37	1
PCB-179	0.089		0.010	0.0011	ng/g	☼	05/03/18 10:07	05/15/18 18:37	1
PCB-180	0.31	C B	0.020	0.0012	ng/g	☼	05/03/18 10:07	05/15/18 18:37	1
PCB-181	ND		0.010	0.0014	ng/g	☼	05/03/18 10:07	05/15/18 18:37	1
PCB-182	ND		0.010	0.0014	ng/g	☼	05/03/18 10:07	05/15/18 18:37	1
PCB-183	0.12	C B	0.020	0.0014	ng/g	☼	05/03/18 10:07	05/15/18 18:37	1
PCB-184	ND		0.010	0.0012	ng/g	☼	05/03/18 10:07	05/15/18 18:37	1
PCB-185	0.12	C183 B	0.020	0.0014	ng/g	☼	05/03/18 10:07	05/15/18 18:37	1
PCB-186	ND		0.010	0.0011	ng/g	☼	05/03/18 10:07	05/15/18 18:37	1
PCB-187	0.21	B	0.010	0.0013	ng/g	☼	05/03/18 10:07	05/15/18 18:37	1
PCB-188	ND		0.010	0.0010	ng/g	☼	05/03/18 10:07	05/15/18 18:37	1
PCB-189	ND		0.010	0.0014	ng/g	☼	05/03/18 10:07	05/15/18 18:37	1
PCB-190	0.024	q	0.010	0.0010	ng/g	☼	05/03/18 10:07	05/15/18 18:37	1
PCB-191	0.0059	J B	0.010	0.0011	ng/g	☼	05/03/18 10:07	05/15/18 18:37	1
PCB-192	ND		0.010	0.0012	ng/g	☼	05/03/18 10:07	05/15/18 18:37	1
PCB-193	0.31	C180 B	0.020	0.0012	ng/g	☼	05/03/18 10:07	05/15/18 18:37	1
PCB-194	0.073	B	0.010	0.0031	ng/g	☼	05/03/18 10:07	05/15/18 18:37	1
PCB-195	0.030		0.010	0.0034	ng/g	☼	05/03/18 10:07	05/15/18 18:37	1
PCB-196	0.028	q B	0.010	0.0012	ng/g	☼	05/03/18 10:07	05/15/18 18:37	1

Client Sample ID: PDI-SG-B366-BL1-D
Date Collected: 04/24/18 11:40
Date Received: 04/25/18 13:55

Lab Sample ID: 580-76830-16
Matrix: Solid
Percent Solids: 59.1

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-197	0.0028	J	0.010	0.00090	ng/g	☼	05/03/18 10:07	05/15/18 18:37	1
PCB-198	0.081	C	0.020	0.0012	ng/g	☼	05/03/18 10:07	05/15/18 18:37	1
PCB-199	0.081	C198	0.020	0.0012	ng/g	☼	05/03/18 10:07	05/15/18 18:37	1
PCB-200	0.0090	J q B	0.010	0.00080	ng/g	☼	05/03/18 10:07	05/15/18 18:37	1
PCB-201	0.0075	J	0.010	0.00082	ng/g	☼	05/03/18 10:07	05/15/18 18:37	1
PCB-202	0.015		0.010	0.00092	ng/g	☼	05/03/18 10:07	05/15/18 18:37	1
PCB-203	0.043		0.010	0.0011	ng/g	☼	05/03/18 10:07	05/15/18 18:37	1
PCB-204	ND		0.010	0.00091	ng/g	☼	05/03/18 10:07	05/15/18 18:37	1
PCB-205	ND		0.010	0.0026	ng/g	☼	05/03/18 10:07	05/15/18 18:37	1
PCB-206	0.039		0.010	0.0020	ng/g	☼	05/03/18 10:07	05/15/18 18:37	1
PCB-207	0.0057	J	0.010	0.0014	ng/g	☼	05/03/18 10:07	05/15/18 18:37	1
PCB-208	0.014		0.010	0.0013	ng/g	☼	05/03/18 10:07	05/15/18 18:37	1
PCB-209	0.031		0.010	0.00068	ng/g	☼	05/03/18 10:07	05/15/18 18:37	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
PCB-1L	*78*		*30 - 140*	*05/03/18 10:07*	*05/15/18 18:37*	*1*
PCB-3L	*85*		*30 - 140*	*05/03/18 10:07*	*05/15/18 18:37*	*1*
PCB-4L	*73*		*30 - 140*	*05/03/18 10:07*	*05/15/18 18:37*	*1*
PCB-15L	*72*		*30 - 140*	*05/03/18 10:07*	*05/15/18 18:37*	*1*
PCB-19L	*84*		*30 - 140*	*05/03/18 10:07*	*05/15/18 18:37*	*1*
PCB-37L	*82*		*30 - 140*	*05/03/18 10:07*	*05/15/18 18:37*	*1*
PCB-54L	*86*		*30 - 140*	*05/03/18 10:07*	*05/15/18 18:37*	*1*
PCB-77L	*79*		*30 - 140*	*05/03/18 10:07*	*05/15/18 18:37*	*1*
PCB-81L	*81*		*30 - 140*	*05/03/18 10:07*	*05/15/18 18:37*	*1*
PCB-104L	*76*		*30 - 140*	*05/03/18 10:07*	*05/15/18 18:37*	*1*
PCB-105L	*84*		*30 - 140*	*05/03/18 10:07*	*05/15/18 18:37*	*1*
PCB-114L	*89*		*30 - 140*	*05/03/18 10:07*	*05/15/18 18:37*	*1*
PCB-118L	*85*		*30 - 140*	*05/03/18 10:07*	*05/15/18 18:37*	*1*
PCB-123L	*85*		*30 - 140*	*05/03/18 10:07*	*05/15/18 18:37*	*1*
PCB-126L	*82*		*30 - 140*	*05/03/18 10:07*	*05/15/18 18:37*	*1*
PCB-155L	*81*		*30 - 140*	*05/03/18 10:07*	*05/15/18 18:37*	*1*
PCB-156L	*87*	*C*	*30 - 140*	*05/03/18 10:07*	*05/15/18 18:37*	*1*
PCB-157L	*87*	*C156*	*30 - 140*	*05/03/18 10:07*	*05/15/18 18:37*	*1*
PCB-167L	*88*		*30 - 140*	*05/03/18 10:07*	*05/15/18 18:37*	*1*
PCB-169L	*89*		*30 - 140*	*05/03/18 10:07*	*05/15/18 18:37*	*1*
PCB-170L	*88*		*30 - 140*	*05/03/18 10:07*	*05/15/18 18:37*	*1*
PCB-188L	*91*		*30 - 140*	*05/03/18 10:07*	*05/15/18 18:37*	*1*
PCB-189L	*104*		*30 - 140*	*05/03/18 10:07*	*05/15/18 18:37*	*1*
PCB-202L	*96*		*30 - 140*	*05/03/18 10:07*	*05/15/18 18:37*	*1*
PCB-205L	*71*		*30 - 140*	*05/03/18 10:07*	*05/15/18 18:37*	*1*
PCB-206L	*65*		*30 - 140*	*05/03/18 10:07*	*05/15/18 18:37*	*1*
PCB-208L	*71*		*30 - 140*	*05/03/18 10:07*	*05/15/18 18:37*	*1*
PCB-209L	*57*		*30 - 140*	*05/03/18 10:07*	*05/15/18 18:37*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
PCB-28L	*89*		*40 - 125*	*05/03/18 10:07*	*05/15/18 18:37*	*1*
PCB-111L	*88*		*40 - 125*	*05/03/18 10:07*	*05/15/18 18:37*	*1*
PCB-178L	*94*		*40 - 125*	*05/03/18 10:07*	*05/15/18 18:37*	*1*

Client Sample ID: PDI-SG-B357-BL1
Date Collected: 04/24/18 10:50
Date Received: 04/25/18 13:55

Lab Sample ID: 580-76830-17
Matrix: Solid
Percent Solids: 44.0

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1	0.0029	J	0.011	0.00022	ng/g	☼	05/03/18 10:07	05/15/18 19:39	1
PCB-2	0.0042	J q	0.011	0.00023	ng/g	☼	05/03/18 10:07	05/15/18 19:39	1
PCB-3	ND		0.011	0.00023	ng/g	☼	05/03/18 10:07	05/15/18 19:39	1
PCB-4	0.0096	J q	0.022	0.0036	ng/g	☼	05/03/18 10:07	05/15/18 19:39	1
PCB-5	ND		0.011	0.0030	ng/g	☼	05/03/18 10:07	05/15/18 19:39	1
PCB-6	0.0046	J q	0.011	0.0027	ng/g	☼	05/03/18 10:07	05/15/18 19:39	1
PCB-7	ND		0.011	0.0027	ng/g	☼	05/03/18 10:07	05/15/18 19:39	1
PCB-8	0.0098	J q	0.022	0.0025	ng/g	☼	05/03/18 10:07	05/15/18 19:39	1
PCB-9	ND		0.011	0.0028	ng/g	☼	05/03/18 10:07	05/15/18 19:39	1
PCB-10	ND		0.011	0.0030	ng/g	☼	05/03/18 10:07	05/15/18 19:39	1
PCB-11	0.045	q B	0.022	0.0026	ng/g	☼	05/03/18 10:07	05/15/18 19:39	1
PCB-12	0.0029	J q C	0.022	0.0027	ng/g	☼	05/03/18 10:07	05/15/18 19:39	1
PCB-13	0.0029	J q C12	0.022	0.0027	ng/g	☼	05/03/18 10:07	05/15/18 19:39	1
PCB-14	ND		0.011	0.0023	ng/g	☼	05/03/18 10:07	05/15/18 19:39	1
PCB-15	0.011	q	0.011	0.0029	ng/g	☼	05/03/18 10:07	05/15/18 19:39	1
PCB-16	0.0080	J q	0.011	0.00047	ng/g	☼	05/03/18 10:07	05/15/18 19:39	1
PCB-17	0.014		0.011	0.00042	ng/g	☼	05/03/18 10:07	05/15/18 19:39	1
PCB-18	0.022	C	0.022	0.00037	ng/g	☼	05/03/18 10:07	05/15/18 19:39	1
PCB-19	0.017		0.011	0.00052	ng/g	☼	05/03/18 10:07	05/15/18 19:39	1
PCB-20	0.051	C	0.022	0.00054	ng/g	☼	05/03/18 10:07	05/15/18 19:39	1
PCB-21	0.018	J C B	0.022	0.00053	ng/g	☼	05/03/18 10:07	05/15/18 19:39	1
PCB-22	0.014		0.011	0.00055	ng/g	☼	05/03/18 10:07	05/15/18 19:39	1
PCB-23	ND		0.011	0.00055	ng/g	☼	05/03/18 10:07	05/15/18 19:39	1
PCB-24	ND		0.011	0.00036	ng/g	☼	05/03/18 10:07	05/15/18 19:39	1
PCB-25	0.0047	J	0.011	0.00050	ng/g	☼	05/03/18 10:07	05/15/18 19:39	1
PCB-26	0.0084	J C	0.022	0.00053	ng/g	☼	05/03/18 10:07	05/15/18 19:39	1
PCB-27	0.0018	J q	0.011	0.00031	ng/g	☼	05/03/18 10:07	05/15/18 19:39	1
PCB-28	0.051	C20	0.022	0.00054	ng/g	☼	05/03/18 10:07	05/15/18 19:39	1
PCB-29	0.0084	J C26	0.022	0.00053	ng/g	☼	05/03/18 10:07	05/15/18 19:39	1
PCB-30	0.022	C18	0.022	0.00037	ng/g	☼	05/03/18 10:07	05/15/18 19:39	1
PCB-31	0.037		0.022	0.00053	ng/g	☼	05/03/18 10:07	05/15/18 19:39	1
PCB-32	0.0064	J q	0.011	0.00029	ng/g	☼	05/03/18 10:07	05/15/18 19:39	1
PCB-33	0.018	J C21 B	0.022	0.00053	ng/g	☼	05/03/18 10:07	05/15/18 19:39	1
PCB-34	ND		0.011	0.00057	ng/g	☼	05/03/18 10:07	05/15/18 19:39	1
PCB-35	ND		0.011	0.00055	ng/g	☼	05/03/18 10:07	05/15/18 19:39	1
PCB-36	ND		0.011	0.00053	ng/g	☼	05/03/18 10:07	05/15/18 19:39	1
PCB-37	0.015	q B	0.011	0.00055	ng/g	☼	05/03/18 10:07	05/15/18 19:39	1
PCB-38	ND		0.011	0.00057	ng/g	☼	05/03/18 10:07	05/15/18 19:39	1
PCB-39	ND		0.011	0.00051	ng/g	☼	05/03/18 10:07	05/15/18 19:39	1
PCB-40	0.037	C	0.033	0.0017	ng/g	☼	05/03/18 10:07	05/15/18 19:39	1
PCB-41	0.037	C40	0.033	0.0017	ng/g	☼	05/03/18 10:07	05/15/18 19:39	1
PCB-42	0.017		0.011	0.0017	ng/g	☼	05/03/18 10:07	05/15/18 19:39	1
PCB-43	ND	C	0.022	0.0015	ng/g	☼	05/03/18 10:07	05/15/18 19:39	1
PCB-44	0.10	C B	0.033	0.0015	ng/g	☼	05/03/18 10:07	05/15/18 19:39	1
PCB-45	0.020	J C	0.022	0.0017	ng/g	☼	05/03/18 10:07	05/15/18 19:39	1
PCB-46	ND		0.011	0.0021	ng/g	☼	05/03/18 10:07	05/15/18 19:39	1
PCB-47	0.10	C44 B	0.033	0.0015	ng/g	☼	05/03/18 10:07	05/15/18 19:39	1
PCB-48	0.0097	J q	0.011	0.0016	ng/g	☼	05/03/18 10:07	05/15/18 19:39	1
PCB-49	0.068	C	0.022	0.0013	ng/g	☼	05/03/18 10:07	05/15/18 19:39	1

Client Sample ID: PDI-SG-B357-BL1
Date Collected: 04/24/18 10:50
Date Received: 04/25/18 13:55

Lab Sample ID: 580-76830-17
Matrix: Solid
Percent Solids: 44.0

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-50	0.020	J C	0.022	0.0016	ng/g	☼	05/03/18 10:07	05/15/18 19:39	1
PCB-51	0.020	J C45	0.022	0.0017	ng/g	☼	05/03/18 10:07	05/15/18 19:39	1
PCB-52	0.13		0.011	0.0016	ng/g	☼	05/03/18 10:07	05/15/18 19:39	1
PCB-53	0.020	J C50	0.022	0.0016	ng/g	☼	05/03/18 10:07	05/15/18 19:39	1
PCB-54	0.0042	J	0.011	0.000084	ng/g	☼	05/03/18 10:07	05/15/18 19:39	1
PCB-55	ND		0.011	0.0012	ng/g	☼	05/03/18 10:07	05/15/18 19:39	1
PCB-56	0.029		0.011	0.0012	ng/g	☼	05/03/18 10:07	05/15/18 19:39	1
PCB-57	ND		0.011	0.0012	ng/g	☼	05/03/18 10:07	05/15/18 19:39	1
PCB-58	ND		0.011	0.0012	ng/g	☼	05/03/18 10:07	05/15/18 19:39	1
PCB-59	0.0067	J C	0.033	0.0012	ng/g	☼	05/03/18 10:07	05/15/18 19:39	1
PCB-60	0.0094	J	0.011	0.0012	ng/g	☼	05/03/18 10:07	05/15/18 19:39	1
PCB-61	0.14	C	0.044	0.0011	ng/g	☼	05/03/18 10:07	05/15/18 19:39	1
PCB-62	0.0067	J C59	0.033	0.0012	ng/g	☼	05/03/18 10:07	05/15/18 19:39	1
PCB-63	ND		0.011	0.0011	ng/g	☼	05/03/18 10:07	05/15/18 19:39	1
PCB-64	0.028		0.011	0.0011	ng/g	☼	05/03/18 10:07	05/15/18 19:39	1
PCB-65	0.10	C44 B	0.033	0.0015	ng/g	☼	05/03/18 10:07	05/15/18 19:39	1
PCB-66	0.077		0.011	0.0011	ng/g	☼	05/03/18 10:07	05/15/18 19:39	1
PCB-67	ND		0.011	0.0011	ng/g	☼	05/03/18 10:07	05/15/18 19:39	1
PCB-68	0.0025	J	0.011	0.0011	ng/g	☼	05/03/18 10:07	05/15/18 19:39	1
PCB-69	0.068	C49	0.022	0.0013	ng/g	☼	05/03/18 10:07	05/15/18 19:39	1
PCB-70	0.14	C61	0.044	0.0011	ng/g	☼	05/03/18 10:07	05/15/18 19:39	1
PCB-71	0.037	C40	0.033	0.0017	ng/g	☼	05/03/18 10:07	05/15/18 19:39	1
PCB-72	ND		0.011	0.0012	ng/g	☼	05/03/18 10:07	05/15/18 19:39	1
PCB-73	ND	C43	0.022	0.0015	ng/g	☼	05/03/18 10:07	05/15/18 19:39	1
PCB-74	0.14	C61	0.044	0.0011	ng/g	☼	05/03/18 10:07	05/15/18 19:39	1
PCB-75	0.0067	J C59	0.033	0.0012	ng/g	☼	05/03/18 10:07	05/15/18 19:39	1
PCB-76	0.14	C61	0.044	0.0011	ng/g	☼	05/03/18 10:07	05/15/18 19:39	1
PCB-77	0.0058	J q	0.011	0.0012	ng/g	☼	05/03/18 10:07	05/15/18 19:39	1
PCB-78	ND		0.011	0.0012	ng/g	☼	05/03/18 10:07	05/15/18 19:39	1
PCB-79	ND		0.011	0.0011	ng/g	☼	05/03/18 10:07	05/15/18 19:39	1
PCB-80	ND		0.011	0.0011	ng/g	☼	05/03/18 10:07	05/15/18 19:39	1
PCB-81	ND		0.011	0.0011	ng/g	☼	05/03/18 10:07	05/15/18 19:39	1
PCB-82	0.024		0.011	0.00043	ng/g	☼	05/03/18 10:07	05/15/18 19:39	1
PCB-83	0.15	C	0.022	0.00039	ng/g	☼	05/03/18 10:07	05/15/18 19:39	1
PCB-84	0.049		0.011	0.00043	ng/g	☼	05/03/18 10:07	05/15/18 19:39	1
PCB-85	0.038	q C B	0.033	0.00032	ng/g	☼	05/03/18 10:07	05/15/18 19:39	1
PCB-86	0.14	C B	0.067	0.00032	ng/g	☼	05/03/18 10:07	05/15/18 19:39	1
PCB-87	0.14	C86 B	0.067	0.00032	ng/g	☼	05/03/18 10:07	05/15/18 19:39	1
PCB-88	0.045	C	0.022	0.00039	ng/g	☼	05/03/18 10:07	05/15/18 19:39	1
PCB-89	ND		0.011	0.00042	ng/g	☼	05/03/18 10:07	05/15/18 19:39	1
PCB-90	0.26	C B	0.033	0.00032	ng/g	☼	05/03/18 10:07	05/15/18 19:39	1
PCB-91	0.045	C88	0.022	0.00039	ng/g	☼	05/03/18 10:07	05/15/18 19:39	1
PCB-92	0.047		0.011	0.00037	ng/g	☼	05/03/18 10:07	05/15/18 19:39	1
PCB-93	0.0058	J q C	0.022	0.00037	ng/g	☼	05/03/18 10:07	05/15/18 19:39	1
PCB-94	0.0027	J	0.011	0.00042	ng/g	☼	05/03/18 10:07	05/15/18 19:39	1
PCB-95	0.20		0.011	0.00040	ng/g	☼	05/03/18 10:07	05/15/18 19:39	1
PCB-96	0.0023	J	0.011	0.00032	ng/g	☼	05/03/18 10:07	05/15/18 19:39	1
PCB-97	0.14	C86 B	0.067	0.00032	ng/g	☼	05/03/18 10:07	05/15/18 19:39	1
PCB-98	0.0068	J q C	0.022	0.00036	ng/g	☼	05/03/18 10:07	05/15/18 19:39	1

Client Sample ID: PDI-SG-B357-BL1
Date Collected: 04/24/18 10:50
Date Received: 04/25/18 13:55

Lab Sample ID: 580-76830-17
Matrix: Solid
Percent Solids: 44.0

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-99	0.15	C83	0.022	0.00039	ng/g	☼	05/03/18 10:07	05/15/18 19:39	1
PCB-100	0.0058	J q C93	0.022	0.00037	ng/g	☼	05/03/18 10:07	05/15/18 19:39	1
PCB-101	0.26	C90 B	0.033	0.00032	ng/g	☼	05/03/18 10:07	05/15/18 19:39	1
PCB-102	0.0068	J q C98	0.022	0.00036	ng/g	☼	05/03/18 10:07	05/15/18 19:39	1
PCB-103	0.0047	J q	0.011	0.00037	ng/g	☼	05/03/18 10:07	05/15/18 19:39	1
PCB-104	ND		0.011	0.00028	ng/g	☼	05/03/18 10:07	05/15/18 19:39	1
PCB-105	0.087		0.011	0.0012	ng/g	☼	05/03/18 10:07	05/15/18 19:39	1
PCB-106	ND		0.011	0.0012	ng/g	☼	05/03/18 10:07	05/15/18 19:39	1
PCB-107	0.022		0.011	0.0013	ng/g	☼	05/03/18 10:07	05/15/18 19:39	1
PCB-108	0.0092	J C B	0.022	0.0013	ng/g	☼	05/03/18 10:07	05/15/18 19:39	1
PCB-109	0.14	C86 B	0.067	0.00032	ng/g	☼	05/03/18 10:07	05/15/18 19:39	1
PCB-110	0.28	C	0.022	0.00027	ng/g	☼	05/03/18 10:07	05/15/18 19:39	1
PCB-111	ND		0.011	0.00026	ng/g	☼	05/03/18 10:07	05/15/18 19:39	1
PCB-112	ND		0.011	0.00027	ng/g	☼	05/03/18 10:07	05/15/18 19:39	1
PCB-113	0.26	C90 B	0.033	0.00032	ng/g	☼	05/03/18 10:07	05/15/18 19:39	1
PCB-114	0.0039	J	0.011	0.0011	ng/g	☼	05/03/18 10:07	05/15/18 19:39	1
PCB-115	0.28	C110	0.022	0.00027	ng/g	☼	05/03/18 10:07	05/15/18 19:39	1
PCB-116	0.038	q C85 B	0.033	0.00032	ng/g	☼	05/03/18 10:07	05/15/18 19:39	1
PCB-117	0.038	q C85 B	0.033	0.00032	ng/g	☼	05/03/18 10:07	05/15/18 19:39	1
PCB-118	0.23	B	0.011	0.0012	ng/g	☼	05/03/18 10:07	05/15/18 19:39	1
PCB-119	0.14	C86 B	0.067	0.00032	ng/g	☼	05/03/18 10:07	05/15/18 19:39	1
PCB-120	ND		0.011	0.00026	ng/g	☼	05/03/18 10:07	05/15/18 19:39	1
PCB-121	ND		0.011	0.00027	ng/g	☼	05/03/18 10:07	05/15/18 19:39	1
PCB-122	ND		0.011	0.0014	ng/g	☼	05/03/18 10:07	05/15/18 19:39	1
PCB-123	0.0045	J B	0.011	0.0012	ng/g	☼	05/03/18 10:07	05/15/18 19:39	1
PCB-124	0.0092	J C108 B	0.022	0.0013	ng/g	☼	05/03/18 10:07	05/15/18 19:39	1
PCB-125	0.14	C86 B	0.067	0.00032	ng/g	☼	05/03/18 10:07	05/15/18 19:39	1
PCB-126	ND		0.011	0.0013	ng/g	☼	05/03/18 10:07	05/15/18 19:39	1
PCB-127	ND		0.011	0.0012	ng/g	☼	05/03/18 10:07	05/15/18 19:39	1
PCB-128	0.059	C	0.022	0.0019	ng/g	☼	05/03/18 10:07	05/15/18 19:39	1
PCB-129	0.47	C B	0.044	0.0020	ng/g	☼	05/03/18 10:07	05/15/18 19:39	1
PCB-130	0.029		0.011	0.0026	ng/g	☼	05/03/18 10:07	05/15/18 19:39	1
PCB-131	ND		0.011	0.0027	ng/g	☼	05/03/18 10:07	05/15/18 19:39	1
PCB-132	0.13	B	0.011	0.0026	ng/g	☼	05/03/18 10:07	05/15/18 19:39	1
PCB-133	0.0071	J	0.011	0.0025	ng/g	☼	05/03/18 10:07	05/15/18 19:39	1
PCB-134	0.019	J C	0.022	0.0026	ng/g	☼	05/03/18 10:07	05/15/18 19:39	1
PCB-135	0.14	C	0.022	0.00042	ng/g	☼	05/03/18 10:07	05/15/18 19:39	1
PCB-136	0.047		0.011	0.00031	ng/g	☼	05/03/18 10:07	05/15/18 19:39	1
PCB-137	0.016	q	0.011	0.0022	ng/g	☼	05/03/18 10:07	05/15/18 19:39	1
PCB-138	0.47	C129 B	0.044	0.0020	ng/g	☼	05/03/18 10:07	05/15/18 19:39	1
PCB-139	ND	C	0.022	0.0022	ng/g	☼	05/03/18 10:07	05/15/18 19:39	1
PCB-140	ND	C139	0.022	0.0022	ng/g	☼	05/03/18 10:07	05/15/18 19:39	1
PCB-141	0.087		0.011	0.0023	ng/g	☼	05/03/18 10:07	05/15/18 19:39	1
PCB-142	ND		0.011	0.0025	ng/g	☼	05/03/18 10:07	05/15/18 19:39	1
PCB-143	0.019	J C134	0.022	0.0026	ng/g	☼	05/03/18 10:07	05/15/18 19:39	1
PCB-144	0.015		0.011	0.00038	ng/g	☼	05/03/18 10:07	05/15/18 19:39	1
PCB-145	ND		0.011	0.00029	ng/g	☼	05/03/18 10:07	05/15/18 19:39	1
PCB-146	0.079		0.011	0.0022	ng/g	☼	05/03/18 10:07	05/15/18 19:39	1
PCB-147	0.37	C	0.022	0.0025	ng/g	☼	05/03/18 10:07	05/15/18 19:39	1

Client Sample ID: PDI-SG-B357-BL1
Date Collected: 04/24/18 10:50
Date Received: 04/25/18 13:55

Lab Sample ID: 580-76830-17
Matrix: Solid
Percent Solids: 44.0

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-148	0.0018	J	0.011	0.00041	ng/g	☼	05/03/18 10:07	05/15/18 19:39	1
PCB-149	0.37	C147	0.022	0.0025	ng/g	☼	05/03/18 10:07	05/15/18 19:39	1
PCB-150	0.0013	J q	0.011	0.00028	ng/g	☼	05/03/18 10:07	05/15/18 19:39	1
PCB-151	0.14	C135	0.022	0.00042	ng/g	☼	05/03/18 10:07	05/15/18 19:39	1
PCB-152	ND		0.011	0.00030	ng/g	☼	05/03/18 10:07	05/15/18 19:39	1
PCB-153	0.41	C B	0.022	0.0017	ng/g	☼	05/03/18 10:07	05/15/18 19:39	1
PCB-154	0.0079	J	0.011	0.00033	ng/g	☼	05/03/18 10:07	05/15/18 19:39	1
PCB-155	ND		0.011	0.00028	ng/g	☼	05/03/18 10:07	05/15/18 19:39	1
PCB-156	0.050	C B	0.022	0.0021	ng/g	☼	05/03/18 10:07	05/15/18 19:39	1
PCB-157	0.050	C156 B	0.022	0.0021	ng/g	☼	05/03/18 10:07	05/15/18 19:39	1
PCB-158	0.036	q	0.011	0.0016	ng/g	☼	05/03/18 10:07	05/15/18 19:39	1
PCB-159	ND		0.011	0.0017	ng/g	☼	05/03/18 10:07	05/15/18 19:39	1
PCB-160	0.47	C129 B	0.044	0.0020	ng/g	☼	05/03/18 10:07	05/15/18 19:39	1
PCB-161	ND		0.011	0.0016	ng/g	☼	05/03/18 10:07	05/15/18 19:39	1
PCB-162	ND		0.011	0.0016	ng/g	☼	05/03/18 10:07	05/15/18 19:39	1
PCB-163	0.47	C129 B	0.044	0.0020	ng/g	☼	05/03/18 10:07	05/15/18 19:39	1
PCB-164	0.030		0.011	0.0017	ng/g	☼	05/03/18 10:07	05/15/18 19:39	1
PCB-165	ND		0.011	0.0019	ng/g	☼	05/03/18 10:07	05/15/18 19:39	1
PCB-166	0.059	C128	0.022	0.0019	ng/g	☼	05/03/18 10:07	05/15/18 19:39	1
PCB-167	0.015		0.011	0.0013	ng/g	☼	05/03/18 10:07	05/15/18 19:39	1
PCB-168	0.41	C153 B	0.022	0.0017	ng/g	☼	05/03/18 10:07	05/15/18 19:39	1
PCB-169	ND		0.011	0.0013	ng/g	☼	05/03/18 10:07	05/15/18 19:39	1
PCB-170	0.16		0.011	0.00070	ng/g	☼	05/03/18 10:07	05/15/18 19:39	1
PCB-171	0.040	C	0.022	0.00068	ng/g	☼	05/03/18 10:07	05/15/18 19:39	1
PCB-172	0.026	B	0.011	0.00067	ng/g	☼	05/03/18 10:07	05/15/18 19:39	1
PCB-173	0.040	C171	0.022	0.00068	ng/g	☼	05/03/18 10:07	05/15/18 19:39	1
PCB-174	0.14		0.011	0.00063	ng/g	☼	05/03/18 10:07	05/15/18 19:39	1
PCB-175	0.0047	J q	0.011	0.00061	ng/g	☼	05/03/18 10:07	05/15/18 19:39	1
PCB-176	0.016		0.011	0.00046	ng/g	☼	05/03/18 10:07	05/15/18 19:39	1
PCB-177	0.086		0.011	0.00065	ng/g	☼	05/03/18 10:07	05/15/18 19:39	1
PCB-178	0.029	q	0.011	0.00066	ng/g	☼	05/03/18 10:07	05/15/18 19:39	1
PCB-179	0.057		0.011	0.00049	ng/g	☼	05/03/18 10:07	05/15/18 19:39	1
PCB-180	0.34	C B	0.022	0.00051	ng/g	☼	05/03/18 10:07	05/15/18 19:39	1
PCB-181	ND		0.011	0.00061	ng/g	☼	05/03/18 10:07	05/15/18 19:39	1
PCB-182	ND		0.011	0.00059	ng/g	☼	05/03/18 10:07	05/15/18 19:39	1
PCB-183	0.099	C B	0.022	0.00060	ng/g	☼	05/03/18 10:07	05/15/18 19:39	1
PCB-184	ND		0.011	0.00050	ng/g	☼	05/03/18 10:07	05/15/18 19:39	1
PCB-185	0.099	C183 B	0.022	0.00060	ng/g	☼	05/03/18 10:07	05/15/18 19:39	1
PCB-186	ND		0.011	0.00049	ng/g	☼	05/03/18 10:07	05/15/18 19:39	1
PCB-187	0.17	B	0.011	0.00057	ng/g	☼	05/03/18 10:07	05/15/18 19:39	1
PCB-188	ND		0.011	0.00043	ng/g	☼	05/03/18 10:07	05/15/18 19:39	1
PCB-189	0.0068	J B	0.011	0.0014	ng/g	☼	05/03/18 10:07	05/15/18 19:39	1
PCB-190	0.030		0.011	0.00044	ng/g	☼	05/03/18 10:07	05/15/18 19:39	1
PCB-191	0.0049	J B	0.011	0.00046	ng/g	☼	05/03/18 10:07	05/15/18 19:39	1
PCB-192	ND		0.011	0.00051	ng/g	☼	05/03/18 10:07	05/15/18 19:39	1
PCB-193	0.34	C180 B	0.022	0.00051	ng/g	☼	05/03/18 10:07	05/15/18 19:39	1
PCB-194	0.085	B	0.011	0.0017	ng/g	☼	05/03/18 10:07	05/15/18 19:39	1
PCB-195	0.035		0.011	0.0018	ng/g	☼	05/03/18 10:07	05/15/18 19:39	1
PCB-196	0.039	B	0.011	0.00078	ng/g	☼	05/03/18 10:07	05/15/18 19:39	1

Client Sample ID: PDI-SG-B357-BL1
Date Collected: 04/24/18 10:50
Date Received: 04/25/18 13:55

Lab Sample ID: 580-76830-17
Matrix: Solid
Percent Solids: 44.0

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-197	0.0019	J q	0.011	0.00060	ng/g	☼	05/03/18 10:07	05/15/18 19:39	1
PCB-198	0.089	C	0.022	0.00079	ng/g	☼	05/03/18 10:07	05/15/18 19:39	1
PCB-199	0.089	C198	0.022	0.00079	ng/g	☼	05/03/18 10:07	05/15/18 19:39	1
PCB-200	0.0090	J B	0.011	0.00053	ng/g	☼	05/03/18 10:07	05/15/18 19:39	1
PCB-201	0.0088	J	0.011	0.00054	ng/g	☼	05/03/18 10:07	05/15/18 19:39	1
PCB-202	0.016	q	0.011	0.00061	ng/g	☼	05/03/18 10:07	05/15/18 19:39	1
PCB-203	0.052		0.011	0.00071	ng/g	☼	05/03/18 10:07	05/15/18 19:39	1
PCB-204	ND		0.011	0.00060	ng/g	☼	05/03/18 10:07	05/15/18 19:39	1
PCB-205	0.0046	J B	0.011	0.0014	ng/g	☼	05/03/18 10:07	05/15/18 19:39	1
PCB-206	0.041		0.011	0.0019	ng/g	☼	05/03/18 10:07	05/15/18 19:39	1
PCB-207	0.0042	J q	0.011	0.0013	ng/g	☼	05/03/18 10:07	05/15/18 19:39	1
PCB-208	0.011		0.011	0.0013	ng/g	☼	05/03/18 10:07	05/15/18 19:39	1
PCB-209	0.039		0.011	0.00047	ng/g	☼	05/03/18 10:07	05/15/18 19:39	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
PCB-1L	*87*		*30 - 140*	*05/03/18 10:07*	*05/15/18 19:39*	*1*
PCB-3L	*93*		*30 - 140*	*05/03/18 10:07*	*05/15/18 19:39*	*1*
PCB-4L	*77*		*30 - 140*	*05/03/18 10:07*	*05/15/18 19:39*	*1*
PCB-15L	*74*		*30 - 140*	*05/03/18 10:07*	*05/15/18 19:39*	*1*
PCB-19L	*93*		*30 - 140*	*05/03/18 10:07*	*05/15/18 19:39*	*1*
PCB-37L	*88*		*30 - 140*	*05/03/18 10:07*	*05/15/18 19:39*	*1*
PCB-54L	*88*		*30 - 140*	*05/03/18 10:07*	*05/15/18 19:39*	*1*
PCB-77L	*76*		*30 - 140*	*05/03/18 10:07*	*05/15/18 19:39*	*1*
PCB-81L	*80*		*30 - 140*	*05/03/18 10:07*	*05/15/18 19:39*	*1*
PCB-104L	*80*		*30 - 140*	*05/03/18 10:07*	*05/15/18 19:39*	*1*
PCB-105L	*83*		*30 - 140*	*05/03/18 10:07*	*05/15/18 19:39*	*1*
PCB-114L	*92*		*30 - 140*	*05/03/18 10:07*	*05/15/18 19:39*	*1*
PCB-118L	*87*		*30 - 140*	*05/03/18 10:07*	*05/15/18 19:39*	*1*
PCB-123L	*87*		*30 - 140*	*05/03/18 10:07*	*05/15/18 19:39*	*1*
PCB-126L	*84*		*30 - 140*	*05/03/18 10:07*	*05/15/18 19:39*	*1*
PCB-155L	*82*		*30 - 140*	*05/03/18 10:07*	*05/15/18 19:39*	*1*
PCB-156L	*92*	*C*	*30 - 140*	*05/03/18 10:07*	*05/15/18 19:39*	*1*
PCB-157L	*92*	*C156*	*30 - 140*	*05/03/18 10:07*	*05/15/18 19:39*	*1*
PCB-167L	*92*		*30 - 140*	*05/03/18 10:07*	*05/15/18 19:39*	*1*
PCB-169L	*97*		*30 - 140*	*05/03/18 10:07*	*05/15/18 19:39*	*1*
PCB-170L	*83*		*30 - 140*	*05/03/18 10:07*	*05/15/18 19:39*	*1*
PCB-188L	*85*		*30 - 140*	*05/03/18 10:07*	*05/15/18 19:39*	*1*
PCB-189L	*104*		*30 - 140*	*05/03/18 10:07*	*05/15/18 19:39*	*1*
PCB-202L	*89*		*30 - 140*	*05/03/18 10:07*	*05/15/18 19:39*	*1*
PCB-205L	*74*		*30 - 140*	*05/03/18 10:07*	*05/15/18 19:39*	*1*
PCB-206L	*70*		*30 - 140*	*05/03/18 10:07*	*05/15/18 19:39*	*1*
PCB-208L	*73*		*30 - 140*	*05/03/18 10:07*	*05/15/18 19:39*	*1*
PCB-209L	*66*		*30 - 140*	*05/03/18 10:07*	*05/15/18 19:39*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
PCB-28L	*93*		*40 - 125*	*05/03/18 10:07*	*05/15/18 19:39*	*1*
PCB-111L	*90*		*40 - 125*	*05/03/18 10:07*	*05/15/18 19:39*	*1*
PCB-178L	*89*		*40 - 125*	*05/03/18 10:07*	*05/15/18 19:39*	*1*

Client Sample ID: PDI-SG-B384-BL1
Date Collected: 04/24/18 14:55
Date Received: 04/25/18 13:55

Lab Sample ID: 580-76830-18
Matrix: Solid
Percent Solids: 41.8

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1	ND		0.012	0.00032	ng/g	☼	05/03/18 10:07	05/15/18 20:40	1
PCB-2	ND		0.012	0.00035	ng/g	☼	05/03/18 10:07	05/15/18 20:40	1
PCB-3	ND		0.012	0.00037	ng/g	☼	05/03/18 10:07	05/15/18 20:40	1
PCB-4	**0.0088**	**J q**	0.023	0.0073	ng/g	☼	05/03/18 10:07	05/15/18 20:40	1
PCB-5	ND		0.012	0.0060	ng/g	☼	05/03/18 10:07	05/15/18 20:40	1
PCB-6	ND		0.012	0.0053	ng/g	☼	05/03/18 10:07	05/15/18 20:40	1
PCB-7	ND		0.012	0.0054	ng/g	☼	05/03/18 10:07	05/15/18 20:40	1
PCB-8	**0.0085**	**J q**	0.023	0.0049	ng/g	☼	05/03/18 10:07	05/15/18 20:40	1
PCB-9	ND		0.012	0.0055	ng/g	☼	05/03/18 10:07	05/15/18 20:40	1
PCB-10	ND		0.012	0.0059	ng/g	☼	05/03/18 10:07	05/15/18 20:40	1
PCB-11	**0.043**	**q B**	0.023	0.0051	ng/g	☼	05/03/18 10:07	05/15/18 20:40	1
PCB-12	ND	C	0.023	0.0053	ng/g	☼	05/03/18 10:07	05/15/18 20:40	1
PCB-13	ND	C12	0.023	0.0053	ng/g	☼	05/03/18 10:07	05/15/18 20:40	1
PCB-14	ND		0.012	0.0045	ng/g	☼	05/03/18 10:07	05/15/18 20:40	1
PCB-15	**0.0073**	**J q**	0.012	0.0057	ng/g	☼	05/03/18 10:07	05/15/18 20:40	1
PCB-16	**0.0041**	**J q**	0.012	0.00063	ng/g	☼	05/03/18 10:07	05/15/18 20:40	1
PCB-17	**0.0091**	**J**	0.012	0.00056	ng/g	☼	05/03/18 10:07	05/15/18 20:40	1
PCB-18	**0.014**	**J q C**	0.023	0.00049	ng/g	☼	05/03/18 10:07	05/15/18 20:40	1
PCB-19	**0.013**		0.012	0.00069	ng/g	☼	05/03/18 10:07	05/15/18 20:40	1
PCB-20	**0.040**	**C**	0.023	0.00092	ng/g	☼	05/03/18 10:07	05/15/18 20:40	1
PCB-21	**0.013**	**J C B**	0.023	0.00090	ng/g	☼	05/03/18 10:07	05/15/18 20:40	1
PCB-22	**0.011**	**J**	0.012	0.00094	ng/g	☼	05/03/18 10:07	05/15/18 20:40	1
PCB-23	ND		0.012	0.00093	ng/g	☼	05/03/18 10:07	05/15/18 20:40	1
PCB-24	ND		0.012	0.00047	ng/g	☼	05/03/18 10:07	05/15/18 20:40	1
PCB-25	**0.0036**	**J**	0.012	0.00085	ng/g	☼	05/03/18 10:07	05/15/18 20:40	1
PCB-26	**0.0069**	**J C**	0.023	0.00090	ng/g	☼	05/03/18 10:07	05/15/18 20:40	1
PCB-27	**0.0021**	**J q**	0.012	0.00041	ng/g	☼	05/03/18 10:07	05/15/18 20:40	1
PCB-28	**0.040**	**C20**	0.023	0.00092	ng/g	☼	05/03/18 10:07	05/15/18 20:40	1
PCB-29	**0.0069**	**J C26**	0.023	0.00090	ng/g	☼	05/03/18 10:07	05/15/18 20:40	1
PCB-30	**0.014**	**J q C18**	0.023	0.00049	ng/g	☼	05/03/18 10:07	05/15/18 20:40	1
PCB-31	**0.026**		0.023	0.00090	ng/g	☼	05/03/18 10:07	05/15/18 20:40	1
PCB-32	**0.0066**	**J**	0.012	0.00039	ng/g	☼	05/03/18 10:07	05/15/18 20:40	1
PCB-33	**0.013**	**J C21 B**	0.023	0.00090	ng/g	☼	05/03/18 10:07	05/15/18 20:40	1
PCB-34	ND		0.012	0.00097	ng/g	☼	05/03/18 10:07	05/15/18 20:40	1
PCB-35	ND		0.012	0.00094	ng/g	☼	05/03/18 10:07	05/15/18 20:40	1
PCB-36	ND		0.012	0.00091	ng/g	☼	05/03/18 10:07	05/15/18 20:40	1
PCB-37	**0.014**	**B**	0.012	0.00094	ng/g	☼	05/03/18 10:07	05/15/18 20:40	1
PCB-38	ND		0.012	0.00098	ng/g	☼	05/03/18 10:07	05/15/18 20:40	1
PCB-39	ND		0.012	0.00088	ng/g	☼	05/03/18 10:07	05/15/18 20:40	1
PCB-40	**0.023**	**J C**	0.035	0.0018	ng/g	☼	05/03/18 10:07	05/15/18 20:40	1
PCB-41	**0.023**	**J C40**	0.035	0.0018	ng/g	☼	05/03/18 10:07	05/15/18 20:40	1
PCB-42	**0.015**	**q**	0.012	0.0018	ng/g	☼	05/03/18 10:07	05/15/18 20:40	1
PCB-43	ND	C	0.023	0.0017	ng/g	☼	05/03/18 10:07	05/15/18 20:40	1
PCB-44	**0.063**	**C B**	0.035	0.0016	ng/g	☼	05/03/18 10:07	05/15/18 20:40	1
PCB-45	**0.011**	**J C**	0.023	0.0019	ng/g	☼	05/03/18 10:07	05/15/18 20:40	1
PCB-46	ND		0.012	0.0023	ng/g	☼	05/03/18 10:07	05/15/18 20:40	1
PCB-47	**0.063**	**C44 B**	0.035	0.0016	ng/g	☼	05/03/18 10:07	05/15/18 20:40	1
PCB-48	**0.0061**	**J q**	0.012	0.0018	ng/g	☼	05/03/18 10:07	05/15/18 20:40	1
PCB-49	**0.042**	**C**	0.023	0.0015	ng/g	☼	05/03/18 10:07	05/15/18 20:40	1

Client Sample ID: PDI-SG-B384-BL1
Date Collected: 04/24/18 14:55
Date Received: 04/25/18 13:55

Lab Sample ID: 580-76830-18
Matrix: Solid
Percent Solids: 41.8

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-50	**0.011**	**J C**	0.023	0.0017	ng/g	☼	05/03/18 10:07	05/15/18 20:40	1
PCB-51	**0.011**	**J C45**	0.023	0.0019	ng/g	☼	05/03/18 10:07	05/15/18 20:40	1
PCB-52	**0.082**		0.012	0.0018	ng/g	☼	05/03/18 10:07	05/15/18 20:40	1
PCB-53	**0.011**	**J C50**	0.023	0.0017	ng/g	☼	05/03/18 10:07	05/15/18 20:40	1
PCB-54	ND		0.012	0.000097	ng/g	☼	05/03/18 10:07	05/15/18 20:40	1
PCB-55	**0.0016**	**J q**	0.012	0.0013	ng/g	☼	05/03/18 10:07	05/15/18 20:40	1
PCB-56	**0.022**		0.012	0.0013	ng/g	☼	05/03/18 10:07	05/15/18 20:40	1
PCB-57	ND		0.012	0.0013	ng/g	☼	05/03/18 10:07	05/15/18 20:40	1
PCB-58	ND		0.012	0.0013	ng/g	☼	05/03/18 10:07	05/15/18 20:40	1
PCB-59	**0.0038**	**J q C**	0.035	0.0013	ng/g	☼	05/03/18 10:07	05/15/18 20:40	1
PCB-60	**0.0068**	**J q**	0.012	0.0013	ng/g	☼	05/03/18 10:07	05/15/18 20:40	1
PCB-61	**0.10**	**C**	0.046	0.0012	ng/g	☼	05/03/18 10:07	05/15/18 20:40	1
PCB-62	**0.0038**	**J q C59**	0.035	0.0013	ng/g	☼	05/03/18 10:07	05/15/18 20:40	1
PCB-63	ND		0.012	0.0012	ng/g	☼	05/03/18 10:07	05/15/18 20:40	1
PCB-64	**0.018**	**q**	0.012	0.0012	ng/g	☼	05/03/18 10:07	05/15/18 20:40	1
PCB-65	**0.063**	**C44 B**	0.035	0.0016	ng/g	☼	05/03/18 10:07	05/15/18 20:40	1
PCB-66	**0.054**		0.012	0.0012	ng/g	☼	05/03/18 10:07	05/15/18 20:40	1
PCB-67	ND		0.012	0.0011	ng/g	☼	05/03/18 10:07	05/15/18 20:40	1
PCB-68	ND		0.012	0.0012	ng/g	☼	05/03/18 10:07	05/15/18 20:40	1
PCB-69	**0.042**	**C49**	0.023	0.0015	ng/g	☼	05/03/18 10:07	05/15/18 20:40	1
PCB-70	**0.10**	**C61**	0.046	0.0012	ng/g	☼	05/03/18 10:07	05/15/18 20:40	1
PCB-71	**0.023**	**J C40**	0.035	0.0018	ng/g	☼	05/03/18 10:07	05/15/18 20:40	1
PCB-72	ND		0.012	0.0013	ng/g	☼	05/03/18 10:07	05/15/18 20:40	1
PCB-73	ND	C43	0.023	0.0017	ng/g	☼	05/03/18 10:07	05/15/18 20:40	1
PCB-74	**0.10**	**C61**	0.046	0.0012	ng/g	☼	05/03/18 10:07	05/15/18 20:40	1
PCB-75	**0.0038**	**J q C59**	0.035	0.0013	ng/g	☼	05/03/18 10:07	05/15/18 20:40	1
PCB-76	**0.10**	**C61**	0.046	0.0012	ng/g	☼	05/03/18 10:07	05/15/18 20:40	1
PCB-77	**0.0057**	**J q**	0.012	0.0013	ng/g	☼	05/03/18 10:07	05/15/18 20:40	1
PCB-78	ND		0.012	0.0013	ng/g	☼	05/03/18 10:07	05/15/18 20:40	1
PCB-79	ND		0.012	0.0012	ng/g	☼	05/03/18 10:07	05/15/18 20:40	1
PCB-80	ND		0.012	0.0011	ng/g	☼	05/03/18 10:07	05/15/18 20:40	1
PCB-81	ND		0.012	0.0012	ng/g	☼	05/03/18 10:07	05/15/18 20:40	1
PCB-82	**0.011**	**J q**	0.012	0.00066	ng/g	☼	05/03/18 10:07	05/15/18 20:40	1
PCB-83	**0.087**	**C**	0.023	0.00061	ng/g	☼	05/03/18 10:07	05/15/18 20:40	1
PCB-84	**0.025**	**q**	0.012	0.00067	ng/g	☼	05/03/18 10:07	05/15/18 20:40	1
PCB-85	**0.026**	**J q C B**	0.035	0.00049	ng/g	☼	05/03/18 10:07	05/15/18 20:40	1
PCB-86	**0.083**	**C B**	0.069	0.00050	ng/g	☼	05/03/18 10:07	05/15/18 20:40	1
PCB-87	**0.083**	**C86 B**	0.069	0.00050	ng/g	☼	05/03/18 10:07	05/15/18 20:40	1
PCB-88	**0.019**	**J q C**	0.023	0.00060	ng/g	☼	05/03/18 10:07	05/15/18 20:40	1
PCB-89	ND		0.012	0.00065	ng/g	☼	05/03/18 10:07	05/15/18 20:40	1
PCB-90	**0.15**	**C B**	0.035	0.00050	ng/g	☼	05/03/18 10:07	05/15/18 20:40	1
PCB-91	**0.019**	**J q C88**	0.023	0.00060	ng/g	☼	05/03/18 10:07	05/15/18 20:40	1
PCB-92	**0.026**		0.012	0.00057	ng/g	☼	05/03/18 10:07	05/15/18 20:40	1
PCB-93	**0.0029**	**J q C**	0.023	0.00058	ng/g	☼	05/03/18 10:07	05/15/18 20:40	1
PCB-94	ND		0.012	0.00065	ng/g	☼	05/03/18 10:07	05/15/18 20:40	1
PCB-95	**0.12**		0.012	0.00063	ng/g	☼	05/03/18 10:07	05/15/18 20:40	1
PCB-96	ND		0.012	0.00049	ng/g	☼	05/03/18 10:07	05/15/18 20:40	1
PCB-97	**0.083**	**C86 B**	0.069	0.00050	ng/g	☼	05/03/18 10:07	05/15/18 20:40	1
PCB-98	ND	C	0.023	0.00056	ng/g	☼	05/03/18 10:07	05/15/18 20:40	1

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Date Received: 04/25/18 13:55

Lab Sample ID: 580-76830-18
Matrix: Solid
Percent Solids: 41.8

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-99	0.087	C83	0.023	0.00061	ng/g	☼	05/03/18 10:07	05/15/18 20:40	1
PCB-100	0.0029	J q C93	0.023	0.00058	ng/g	☼	05/03/18 10:07	05/15/18 20:40	1
PCB-101	0.15	C90 B	0.035	0.00050	ng/g	☼	05/03/18 10:07	05/15/18 20:40	1
PCB-102	ND	C98	0.023	0.00056	ng/g	☼	05/03/18 10:07	05/15/18 20:40	1
PCB-103	ND		0.012	0.00058	ng/g	☼	05/03/18 10:07	05/15/18 20:40	1
PCB-104	ND		0.012	0.00044	ng/g	☼	05/03/18 10:07	05/15/18 20:40	1
PCB-105	0.061		0.012	0.0014	ng/g	☼	05/03/18 10:07	05/15/18 20:40	1
PCB-106	ND		0.012	0.0015	ng/g	☼	05/03/18 10:07	05/15/18 20:40	1
PCB-107	0.012	q	0.012	0.0016	ng/g	☼	05/03/18 10:07	05/15/18 20:40	1
PCB-108	0.0045	J q C B	0.023	0.0015	ng/g	☼	05/03/18 10:07	05/15/18 20:40	1
PCB-109	0.083	C86 B	0.069	0.00050	ng/g	☼	05/03/18 10:07	05/15/18 20:40	1
PCB-110	0.18	C	0.023	0.00042	ng/g	☼	05/03/18 10:07	05/15/18 20:40	1
PCB-111	ND		0.012	0.00041	ng/g	☼	05/03/18 10:07	05/15/18 20:40	1
PCB-112	ND		0.012	0.00043	ng/g	☼	05/03/18 10:07	05/15/18 20:40	1
PCB-113	0.15	C90 B	0.035	0.00050	ng/g	☼	05/03/18 10:07	05/15/18 20:40	1
PCB-114	ND		0.012	0.0013	ng/g	☼	05/03/18 10:07	05/15/18 20:40	1
PCB-115	0.18	C110	0.023	0.00042	ng/g	☼	05/03/18 10:07	05/15/18 20:40	1
PCB-116	0.026	J q C85 B	0.035	0.00049	ng/g	☼	05/03/18 10:07	05/15/18 20:40	1
PCB-117	0.026	J q C85 B	0.035	0.00049	ng/g	☼	05/03/18 10:07	05/15/18 20:40	1
PCB-118	0.14	B	0.012	0.0013	ng/g	☼	05/03/18 10:07	05/15/18 20:40	1
PCB-119	0.083	C86 B	0.069	0.00050	ng/g	☼	05/03/18 10:07	05/15/18 20:40	1
PCB-120	ND		0.012	0.00041	ng/g	☼	05/03/18 10:07	05/15/18 20:40	1
PCB-121	ND		0.012	0.00042	ng/g	☼	05/03/18 10:07	05/15/18 20:40	1
PCB-122	ND		0.012	0.0017	ng/g	☼	05/03/18 10:07	05/15/18 20:40	1
PCB-123	0.0041	J B	0.012	0.0015	ng/g	☼	05/03/18 10:07	05/15/18 20:40	1
PCB-124	0.0045	J q C108 B	0.023	0.0015	ng/g	☼	05/03/18 10:07	05/15/18 20:40	1
PCB-125	0.083	C86 B	0.069	0.00050	ng/g	☼	05/03/18 10:07	05/15/18 20:40	1
PCB-126	ND		0.012	0.0016	ng/g	☼	05/03/18 10:07	05/15/18 20:40	1
PCB-127	ND		0.012	0.0015	ng/g	☼	05/03/18 10:07	05/15/18 20:40	1
PCB-128	0.033	C	0.023	0.0017	ng/g	☼	05/03/18 10:07	05/15/18 20:40	1
PCB-129	0.26	C B	0.046	0.0018	ng/g	☼	05/03/18 10:07	05/15/18 20:40	1
PCB-130	0.014		0.012	0.0023	ng/g	☼	05/03/18 10:07	05/15/18 20:40	1
PCB-131	ND		0.012	0.0024	ng/g	☼	05/03/18 10:07	05/15/18 20:40	1
PCB-132	0.061	B	0.012	0.0023	ng/g	☼	05/03/18 10:07	05/15/18 20:40	1
PCB-133	ND		0.012	0.0022	ng/g	☼	05/03/18 10:07	05/15/18 20:40	1
PCB-134	0.0071	J q C	0.023	0.0023	ng/g	☼	05/03/18 10:07	05/15/18 20:40	1
PCB-135	0.061	C	0.023	0.00045	ng/g	☼	05/03/18 10:07	05/15/18 20:40	1
PCB-136	0.020	q	0.012	0.00032	ng/g	☼	05/03/18 10:07	05/15/18 20:40	1
PCB-137	0.0035	J q	0.012	0.0020	ng/g	☼	05/03/18 10:07	05/15/18 20:40	1
PCB-138	0.26	C129 B	0.046	0.0018	ng/g	☼	05/03/18 10:07	05/15/18 20:40	1
PCB-139	0.0042	J q C B	0.023	0.0019	ng/g	☼	05/03/18 10:07	05/15/18 20:40	1
PCB-140	0.0042	J q C139 B	0.023	0.0019	ng/g	☼	05/03/18 10:07	05/15/18 20:40	1
PCB-141	0.043		0.012	0.0020	ng/g	☼	05/03/18 10:07	05/15/18 20:40	1
PCB-142	ND		0.012	0.0022	ng/g	☼	05/03/18 10:07	05/15/18 20:40	1
PCB-143	0.0071	J q C134	0.023	0.0023	ng/g	☼	05/03/18 10:07	05/15/18 20:40	1
PCB-144	0.0050	J q	0.012	0.00041	ng/g	☼	05/03/18 10:07	05/15/18 20:40	1
PCB-145	ND		0.012	0.00031	ng/g	☼	05/03/18 10:07	05/15/18 20:40	1
PCB-146	0.036		0.012	0.0019	ng/g	☼	05/03/18 10:07	05/15/18 20:40	1
PCB-147	0.19	C	0.023	0.0022	ng/g	☼	05/03/18 10:07	05/15/18 20:40	1

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Lab Sample ID: 580-76830-18
Matrix: Solid
Percent Solids: 41.8

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-148	ND		0.012	0.00044	ng/g	☼	05/03/18 10:07	05/15/18 20:40	1
PCB-149	**0.19**	**C147**	0.023	0.0022	ng/g	☼	05/03/18 10:07	05/15/18 20:40	1
PCB-150	ND		0.012	0.00030	ng/g	☼	05/03/18 10:07	05/15/18 20:40	1
PCB-151	**0.061**	**C135**	0.023	0.00045	ng/g	☼	05/03/18 10:07	05/15/18 20:40	1
PCB-152	ND		0.012	0.00032	ng/g	☼	05/03/18 10:07	05/15/18 20:40	1
PCB-153	**0.20**	**C B**	0.023	0.0015	ng/g	☼	05/03/18 10:07	05/15/18 20:40	1
PCB-154	**0.0031**	**J q**	0.012	0.00035	ng/g	☼	05/03/18 10:07	05/15/18 20:40	1
PCB-155	ND		0.012	0.00030	ng/g	☼	05/03/18 10:07	05/15/18 20:40	1
PCB-156	**0.025**	**C B**	0.023	0.0018	ng/g	☼	05/03/18 10:07	05/15/18 20:40	1
PCB-157	**0.025**	**C156 B**	0.023	0.0018	ng/g	☼	05/03/18 10:07	05/15/18 20:40	1
PCB-158	**0.019**		0.012	0.0014	ng/g	☼	05/03/18 10:07	05/15/18 20:40	1
PCB-159	ND		0.012	0.0015	ng/g	☼	05/03/18 10:07	05/15/18 20:40	1
PCB-160	**0.26**	**C129 B**	0.046	0.0018	ng/g	☼	05/03/18 10:07	05/15/18 20:40	1
PCB-161	ND		0.012	0.0014	ng/g	☼	05/03/18 10:07	05/15/18 20:40	1
PCB-162	ND		0.012	0.0014	ng/g	☼	05/03/18 10:07	05/15/18 20:40	1
PCB-163	**0.26**	**C129 B**	0.046	0.0018	ng/g	☼	05/03/18 10:07	05/15/18 20:40	1
PCB-164	**0.014**	**q**	0.012	0.0015	ng/g	☼	05/03/18 10:07	05/15/18 20:40	1
PCB-165	ND		0.012	0.0016	ng/g	☼	05/03/18 10:07	05/15/18 20:40	1
PCB-166	**0.033**	**C128**	0.023	0.0017	ng/g	☼	05/03/18 10:07	05/15/18 20:40	1
PCB-167	**0.0069**	**J q**	0.012	0.0011	ng/g	☼	05/03/18 10:07	05/15/18 20:40	1
PCB-168	**0.20**	**C153 B**	0.023	0.0015	ng/g	☼	05/03/18 10:07	05/15/18 20:40	1
PCB-169	ND		0.012	0.0011	ng/g	☼	05/03/18 10:07	05/15/18 20:40	1
PCB-170	**0.067**		0.012	0.0021	ng/g	☼	05/03/18 10:07	05/15/18 20:40	1
PCB-171	**0.020**	**J q C**	0.023	0.0019	ng/g	☼	05/03/18 10:07	05/15/18 20:40	1
PCB-172	**0.0080**	**J q B**	0.012	0.0018	ng/g	☼	05/03/18 10:07	05/15/18 20:40	1
PCB-173	**0.020**	**J q C171**	0.023	0.0019	ng/g	☼	05/03/18 10:07	05/15/18 20:40	1
PCB-174	**0.067**		0.012	0.0017	ng/g	☼	05/03/18 10:07	05/15/18 20:40	1
PCB-175	ND		0.012	0.0017	ng/g	☼	05/03/18 10:07	05/15/18 20:40	1
PCB-176	**0.0075**	**J**	0.012	0.0013	ng/g	☼	05/03/18 10:07	05/15/18 20:40	1
PCB-177	**0.039**		0.012	0.0018	ng/g	☼	05/03/18 10:07	05/15/18 20:40	1
PCB-178	**0.014**	**q**	0.012	0.0018	ng/g	☼	05/03/18 10:07	05/15/18 20:40	1
PCB-179	**0.027**		0.012	0.0013	ng/g	☼	05/03/18 10:07	05/15/18 20:40	1
PCB-180	**0.13**	**C B**	0.023	0.0014	ng/g	☼	05/03/18 10:07	05/15/18 20:40	1
PCB-181	ND		0.012	0.0017	ng/g	☼	05/03/18 10:07	05/15/18 20:40	1
PCB-182	ND		0.012	0.0016	ng/g	☼	05/03/18 10:07	05/15/18 20:40	1
PCB-183	**0.043**	**C B**	0.023	0.0016	ng/g	☼	05/03/18 10:07	05/15/18 20:40	1
PCB-184	ND		0.012	0.0014	ng/g	☼	05/03/18 10:07	05/15/18 20:40	1
PCB-185	**0.043**	**C183 B**	0.023	0.0016	ng/g	☼	05/03/18 10:07	05/15/18 20:40	1
PCB-186	ND		0.012	0.0013	ng/g	☼	05/03/18 10:07	05/15/18 20:40	1
PCB-187	**0.083**	**B**	0.012	0.0016	ng/g	☼	05/03/18 10:07	05/15/18 20:40	1
PCB-188	ND		0.012	0.0011	ng/g	☼	05/03/18 10:07	05/15/18 20:40	1
PCB-189	ND		0.012	0.0019	ng/g	☼	05/03/18 10:07	05/15/18 20:40	1
PCB-190	**0.013**		0.012	0.0012	ng/g	☼	05/03/18 10:07	05/15/18 20:40	1
PCB-191	ND		0.012	0.0013	ng/g	☼	05/03/18 10:07	05/15/18 20:40	1
PCB-192	ND		0.012	0.0014	ng/g	☼	05/03/18 10:07	05/15/18 20:40	1
PCB-193	**0.13**	**C180 B**	0.023	0.0014	ng/g	☼	05/03/18 10:07	05/15/18 20:40	1
PCB-194	**0.037**	**q B**	0.012	0.0030	ng/g	☼	05/03/18 10:07	05/15/18 20:40	1
PCB-195	**0.014**	**q**	0.012	0.0033	ng/g	☼	05/03/18 10:07	05/15/18 20:40	1
PCB-196	**0.012**	**q B**	0.012	0.00090	ng/g	☼	05/03/18 10:07	05/15/18 20:40	1

Client Sample ID: PDI-SG-B384-BL1
Date Collected: 04/24/18 14:55
Date Received: 04/25/18 13:55

Lab Sample ID: 580-76830-18
Matrix: Solid
Percent Solids: 41.8

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-197	ND		0.012	0.00069	ng/g	☼	05/03/18 10:07	05/15/18 20:40	1
PCB-198	**0.042**	**q C**	0.023	0.00092	ng/g	☼	05/03/18 10:07	05/15/18 20:40	1
PCB-199	**0.042**	**q C198**	0.023	0.00092	ng/g	☼	05/03/18 10:07	05/15/18 20:40	1
PCB-200	**0.0035**	**J q B**	0.012	0.00061	ng/g	☼	05/03/18 10:07	05/15/18 20:40	1
PCB-201	**0.0032**	**J q**	0.012	0.00063	ng/g	☼	05/03/18 10:07	05/15/18 20:40	1
PCB-202	**0.0094**	**J q**	0.012	0.00071	ng/g	☼	05/03/18 10:07	05/15/18 20:40	1
PCB-203	**0.029**		0.012	0.00082	ng/g	☼	05/03/18 10:07	05/15/18 20:40	1
PCB-204	ND		0.012	0.00069	ng/g	☼	05/03/18 10:07	05/15/18 20:40	1
PCB-205	ND		0.012	0.0025	ng/g	☼	05/03/18 10:07	05/15/18 20:40	1
PCB-206	**0.029**	**q**	0.012	0.0042	ng/g	☼	05/03/18 10:07	05/15/18 20:40	1
PCB-207	ND		0.012	0.0029	ng/g	☼	05/03/18 10:07	05/15/18 20:40	1
PCB-208	**0.011**	**J q**	0.012	0.0029	ng/g	☼	05/03/18 10:07	05/15/18 20:40	1
PCB-209	**0.045**		0.012	0.00045	ng/g	☼	05/03/18 10:07	05/15/18 20:40	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
PCB-1L	*83*		*30 - 140*	*05/03/18 10:07*	*05/15/18 20:40*	*1*
PCB-3L	*89*		*30 - 140*	*05/03/18 10:07*	*05/15/18 20:40*	*1*
PCB-4L	*73*		*30 - 140*	*05/03/18 10:07*	*05/15/18 20:40*	*1*
PCB-15L	*73*		*30 - 140*	*05/03/18 10:07*	*05/15/18 20:40*	*1*
PCB-19L	*93*		*30 - 140*	*05/03/18 10:07*	*05/15/18 20:40*	*1*
PCB-37L	*82*		*30 - 140*	*05/03/18 10:07*	*05/15/18 20:40*	*1*
PCB-54L	*85*		*30 - 140*	*05/03/18 10:07*	*05/15/18 20:40*	*1*
PCB-77L	*78*		*30 - 140*	*05/03/18 10:07*	*05/15/18 20:40*	*1*
PCB-81L	*79*		*30 - 140*	*05/03/18 10:07*	*05/15/18 20:40*	*1*
PCB-104L	*75*		*30 - 140*	*05/03/18 10:07*	*05/15/18 20:40*	*1*
PCB-105L	*87*		*30 - 140*	*05/03/18 10:07*	*05/15/18 20:40*	*1*
PCB-114L	*92*		*30 - 140*	*05/03/18 10:07*	*05/15/18 20:40*	*1*
PCB-118L	*89*		*30 - 140*	*05/03/18 10:07*	*05/15/18 20:40*	*1*
PCB-123L	*88*		*30 - 140*	*05/03/18 10:07*	*05/15/18 20:40*	*1*
PCB-126L	*82*		*30 - 140*	*05/03/18 10:07*	*05/15/18 20:40*	*1*
PCB-155L	*77*		*30 - 140*	*05/03/18 10:07*	*05/15/18 20:40*	*1*
PCB-156L	*85*	*C*	*30 - 140*	*05/03/18 10:07*	*05/15/18 20:40*	*1*
PCB-157L	*85*	*C156*	*30 - 140*	*05/03/18 10:07*	*05/15/18 20:40*	*1*
PCB-167L	*86*		*30 - 140*	*05/03/18 10:07*	*05/15/18 20:40*	*1*
PCB-169L	*83*		*30 - 140*	*05/03/18 10:07*	*05/15/18 20:40*	*1*
PCB-170L	*83*		*30 - 140*	*05/03/18 10:07*	*05/15/18 20:40*	*1*
PCB-188L	*96*		*30 - 140*	*05/03/18 10:07*	*05/15/18 20:40*	*1*
PCB-189L	*108*		*30 - 140*	*05/03/18 10:07*	*05/15/18 20:40*	*1*
PCB-202L	*96*		*30 - 140*	*05/03/18 10:07*	*05/15/18 20:40*	*1*
PCB-205L	*73*		*30 - 140*	*05/03/18 10:07*	*05/15/18 20:40*	*1*
PCB-206L	*64*		*30 - 140*	*05/03/18 10:07*	*05/15/18 20:40*	*1*
PCB-208L	*72*		*30 - 140*	*05/03/18 10:07*	*05/15/18 20:40*	*1*
PCB-209L	*57*		*30 - 140*	*05/03/18 10:07*	*05/15/18 20:40*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
PCB-28L	*91*		*40 - 125*	*05/03/18 10:07*	*05/15/18 20:40*	*1*
PCB-111L	*85*		*40 - 125*	*05/03/18 10:07*	*05/15/18 20:40*	*1*
PCB-178L	*95*		*40 - 125*	*05/03/18 10:07*	*05/15/18 20:40*	*1*

Client Sample ID: PDI-SG-B378-BL1
Date Collected: 04/24/18 13:03
Date Received: 04/25/18 13:55

Lab Sample ID: 580-76830-19
Matrix: Solid
Percent Solids: 63.1

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1	0.0049	J	0.0098	0.00015	ng/g	☼	05/03/18 10:07	05/16/18 02:40	1
PCB-2	0.0060	J	0.0098	0.00017	ng/g	☼	05/03/18 10:07	05/16/18 02:40	1
PCB-3	0.0014	J B q	0.0098	0.00018	ng/g	☼	05/03/18 10:07	05/16/18 02:40	1
PCB-4	0.022	q	0.020	0.0033	ng/g	☼	05/03/18 10:07	05/16/18 02:40	1
PCB-5	ND		0.0098	0.0026	ng/g	☼	05/03/18 10:07	05/16/18 02:40	1
PCB-6	0.0049	J q	0.0098	0.0023	ng/g	☼	05/03/18 10:07	05/16/18 02:40	1
PCB-7	ND		0.0098	0.0023	ng/g	☼	05/03/18 10:07	05/16/18 02:40	1
PCB-8	0.012	J q	0.020	0.0021	ng/g	☼	05/03/18 10:07	05/16/18 02:40	1
PCB-9	ND		0.0098	0.0024	ng/g	☼	05/03/18 10:07	05/16/18 02:40	1
PCB-10	ND		0.0098	0.0026	ng/g	☼	05/03/18 10:07	05/16/18 02:40	1
PCB-11	0.028	B q	0.020	0.0022	ng/g	☼	05/03/18 10:07	05/16/18 02:40	1
PCB-12	0.0024	J C q	0.020	0.0023	ng/g	☼	05/03/18 10:07	05/16/18 02:40	1
PCB-13	0.0024	J C12 q	0.020	0.0023	ng/g	☼	05/03/18 10:07	05/16/18 02:40	1
PCB-14	ND		0.0098	0.0020	ng/g	☼	05/03/18 10:07	05/16/18 02:40	1
PCB-15	0.0081	J q	0.0098	0.0024	ng/g	☼	05/03/18 10:07	05/16/18 02:40	1
PCB-16	0.0078	J	0.0098	0.00047	ng/g	☼	05/03/18 10:07	05/16/18 02:40	1
PCB-17	0.021		0.0098	0.00042	ng/g	☼	05/03/18 10:07	05/16/18 02:40	1
PCB-18	0.024	C	0.020	0.00037	ng/g	☼	05/03/18 10:07	05/16/18 02:40	1
PCB-19	0.037		0.0098	0.00052	ng/g	☼	05/03/18 10:07	05/16/18 02:40	1
PCB-20	0.040	C	0.020	0.00047	ng/g	☼	05/03/18 10:07	05/16/18 02:40	1
PCB-21	0.013	J C B q	0.020	0.00046	ng/g	☼	05/03/18 10:07	05/16/18 02:40	1
PCB-22	0.0099		0.0098	0.00048	ng/g	☼	05/03/18 10:07	05/16/18 02:40	1
PCB-23	ND		0.0098	0.00048	ng/g	☼	05/03/18 10:07	05/16/18 02:40	1
PCB-24	ND		0.0098	0.00036	ng/g	☼	05/03/18 10:07	05/16/18 02:40	1
PCB-25	0.0046	J	0.0098	0.00044	ng/g	☼	05/03/18 10:07	05/16/18 02:40	1
PCB-26	0.0079	J C	0.020	0.00046	ng/g	☼	05/03/18 10:07	05/16/18 02:40	1
PCB-27	0.0062	J	0.0098	0.00031	ng/g	☼	05/03/18 10:07	05/16/18 02:40	1
PCB-28	0.040	C20	0.020	0.00047	ng/g	☼	05/03/18 10:07	05/16/18 02:40	1
PCB-29	0.0079	J C26	0.020	0.00046	ng/g	☼	05/03/18 10:07	05/16/18 02:40	1
PCB-30	0.024	C18	0.020	0.00037	ng/g	☼	05/03/18 10:07	05/16/18 02:40	1
PCB-31	0.028		0.020	0.00046	ng/g	☼	05/03/18 10:07	05/16/18 02:40	1
PCB-32	0.013	q	0.0098	0.00030	ng/g	☼	05/03/18 10:07	05/16/18 02:40	1
PCB-33	0.013	J B C21 q	0.020	0.00046	ng/g	☼	05/03/18 10:07	05/16/18 02:40	1
PCB-34	ND		0.0098	0.00050	ng/g	☼	05/03/18 10:07	05/16/18 02:40	1
PCB-35	ND		0.0098	0.00048	ng/g	☼	05/03/18 10:07	05/16/18 02:40	1
PCB-36	ND		0.0098	0.00047	ng/g	☼	05/03/18 10:07	05/16/18 02:40	1
PCB-37	0.0094	J B	0.0098	0.00048	ng/g	☼	05/03/18 10:07	05/16/18 02:40	1
PCB-38	ND		0.0098	0.00050	ng/g	☼	05/03/18 10:07	05/16/18 02:40	1
PCB-39	ND		0.0098	0.00045	ng/g	☼	05/03/18 10:07	05/16/18 02:40	1
PCB-40	0.030	C	0.029	0.00096	ng/g	☼	05/03/18 10:07	05/16/18 02:40	1
PCB-41	0.030	C40	0.029	0.00096	ng/g	☼	05/03/18 10:07	05/16/18 02:40	1
PCB-42	0.0094	J q	0.0098	0.00096	ng/g	☼	05/03/18 10:07	05/16/18 02:40	1
PCB-43	0.0023	J C	0.020	0.00090	ng/g	☼	05/03/18 10:07	05/16/18 02:40	1
PCB-44	0.11	C B	0.029	0.00085	ng/g	☼	05/03/18 10:07	05/16/18 02:40	1
PCB-45	0.040	C	0.020	0.0010	ng/g	☼	05/03/18 10:07	05/16/18 02:40	1
PCB-46	0.0046	J q	0.0098	0.0012	ng/g	☼	05/03/18 10:07	05/16/18 02:40	1
PCB-47	0.11	B C44	0.029	0.00085	ng/g	☼	05/03/18 10:07	05/16/18 02:40	1
PCB-48	0.0075	J	0.0098	0.00096	ng/g	☼	05/03/18 10:07	05/16/18 02:40	1
PCB-49	0.072	C	0.020	0.00078	ng/g	☼	05/03/18 10:07	05/16/18 02:40	1

Client Sample ID: PDI-SG-B378-BL1
Date Collected: 04/24/18 13:03
Date Received: 04/25/18 13:55

Lab Sample ID: 580-76830-19
Matrix: Solid
Percent Solids: 63.1

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-50	0.038	C	0.020	0.00093	ng/g	☼	05/03/18 10:07	05/16/18 02:40	1
PCB-51	0.040	C45	0.020	0.0010	ng/g	☼	05/03/18 10:07	05/16/18 02:40	1
PCB-52	0.12		0.0098	0.00095	ng/g	☼	05/03/18 10:07	05/16/18 02:40	1
PCB-53	0.038	C50	0.020	0.00093	ng/g	☼	05/03/18 10:07	05/16/18 02:40	1
PCB-54	0.0079	J q	0.0098	0.00011	ng/g	☼	05/03/18 10:07	05/16/18 02:40	1
PCB-55	ND		0.0098	0.00070	ng/g	☼	05/03/18 10:07	05/16/18 02:40	1
PCB-56	0.015		0.0098	0.00070	ng/g	☼	05/03/18 10:07	05/16/18 02:40	1
PCB-57	ND		0.0098	0.00071	ng/g	☼	05/03/18 10:07	05/16/18 02:40	1
PCB-58	ND		0.0098	0.00072	ng/g	☼	05/03/18 10:07	05/16/18 02:40	1
PCB-59	0.0054	J C	0.029	0.00068	ng/g	☼	05/03/18 10:07	05/16/18 02:40	1
PCB-60	0.0050	J q	0.0098	0.00071	ng/g	☼	05/03/18 10:07	05/16/18 02:40	1
PCB-61	0.082	C	0.039	0.00067	ng/g	☼	05/03/18 10:07	05/16/18 02:40	1
PCB-62	0.0054	J C59	0.029	0.00068	ng/g	☼	05/03/18 10:07	05/16/18 02:40	1
PCB-63	0.0013	J q	0.0098	0.00065	ng/g	☼	05/03/18 10:07	05/16/18 02:40	1
PCB-64	0.019		0.0098	0.00064	ng/g	☼	05/03/18 10:07	05/16/18 02:40	1
PCB-65	0.11	B C44	0.029	0.00085	ng/g	☼	05/03/18 10:07	05/16/18 02:40	1
PCB-66	0.047		0.0098	0.00067	ng/g	☼	05/03/18 10:07	05/16/18 02:40	1
PCB-67	ND		0.0098	0.00061	ng/g	☼	05/03/18 10:07	05/16/18 02:40	1
PCB-68	0.0015	J q	0.0098	0.00063	ng/g	☼	05/03/18 10:07	05/16/18 02:40	1
PCB-69	0.072	C49	0.020	0.00078	ng/g	☼	05/03/18 10:07	05/16/18 02:40	1
PCB-70	0.082	C61	0.039	0.00067	ng/g	☼	05/03/18 10:07	05/16/18 02:40	1
PCB-71	0.030	C40	0.029	0.00096	ng/g	☼	05/03/18 10:07	05/16/18 02:40	1
PCB-72	ND		0.0098	0.00070	ng/g	☼	05/03/18 10:07	05/16/18 02:40	1
PCB-73	0.0023	J C43	0.020	0.00090	ng/g	☼	05/03/18 10:07	05/16/18 02:40	1
PCB-74	0.082	C61	0.039	0.00067	ng/g	☼	05/03/18 10:07	05/16/18 02:40	1
PCB-75	0.0054	J C59	0.029	0.00068	ng/g	☼	05/03/18 10:07	05/16/18 02:40	1
PCB-76	0.082	C61	0.039	0.00067	ng/g	☼	05/03/18 10:07	05/16/18 02:40	1
PCB-77	0.0044	J	0.0098	0.00069	ng/g	☼	05/03/18 10:07	05/16/18 02:40	1
PCB-78	ND		0.0098	0.00072	ng/g	☼	05/03/18 10:07	05/16/18 02:40	1
PCB-79	ND		0.0098	0.00062	ng/g	☼	05/03/18 10:07	05/16/18 02:40	1
PCB-80	ND		0.0098	0.00061	ng/g	☼	05/03/18 10:07	05/16/18 02:40	1
PCB-81	ND		0.0098	0.00064	ng/g	☼	05/03/18 10:07	05/16/18 02:40	1
PCB-82	0.012		0.0098	0.00051	ng/g	☼	05/03/18 10:07	05/16/18 02:40	1
PCB-83	0.11	C	0.020	0.00047	ng/g	☼	05/03/18 10:07	05/16/18 02:40	1
PCB-84	0.032		0.0098	0.00052	ng/g	☼	05/03/18 10:07	05/16/18 02:40	1
PCB-85	0.023	J C B	0.029	0.00038	ng/g	☼	05/03/18 10:07	05/16/18 02:40	1
PCB-86	0.092	C B	0.059	0.00038	ng/g	☼	05/03/18 10:07	05/16/18 02:40	1
PCB-87	0.092	B C86	0.059	0.00038	ng/g	☼	05/03/18 10:07	05/16/18 02:40	1
PCB-88	0.042	C	0.020	0.00046	ng/g	☼	05/03/18 10:07	05/16/18 02:40	1
PCB-89	ND		0.0098	0.00050	ng/g	☼	05/03/18 10:07	05/16/18 02:40	1
PCB-90	0.23	C B	0.029	0.00039	ng/g	☼	05/03/18 10:07	05/16/18 02:40	1
PCB-91	0.042	C88	0.020	0.00046	ng/g	☼	05/03/18 10:07	05/16/18 02:40	1
PCB-92	0.039		0.0098	0.00044	ng/g	☼	05/03/18 10:07	05/16/18 02:40	1
PCB-93	0.016	J C	0.020	0.00044	ng/g	☼	05/03/18 10:07	05/16/18 02:40	1
PCB-94	0.0041	J	0.0098	0.00050	ng/g	☼	05/03/18 10:07	05/16/18 02:40	1
PCB-95	0.21		0.0098	0.00049	ng/g	☼	05/03/18 10:07	05/16/18 02:40	1
PCB-96	0.0036	J	0.0098	0.00038	ng/g	☼	05/03/18 10:07	05/16/18 02:40	1
PCB-97	0.092	B C86	0.059	0.00038	ng/g	☼	05/03/18 10:07	05/16/18 02:40	1
PCB-98	0.0079	J C	0.020	0.00043	ng/g	☼	05/03/18 10:07	05/16/18 02:40	1

Client Sample ID: PDI-SG-B378-BL1
Date Collected: 04/24/18 13:03
Date Received: 04/25/18 13:55

Lab Sample ID: 580-76830-19
Matrix: Solid
Percent Solids: 63.1

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-99	0.11	C83	0.020	0.00047	ng/g	☼	05/03/18 10:07	05/16/18 02:40	1
PCB-100	0.016	J C93	0.020	0.00044	ng/g	☼	05/03/18 10:07	05/16/18 02:40	1
PCB-101	0.23	B C90	0.029	0.00039	ng/g	☼	05/03/18 10:07	05/16/18 02:40	1
PCB-102	0.0079	J C98	0.020	0.00043	ng/g	☼	05/03/18 10:07	05/16/18 02:40	1
PCB-103	0.0099		0.0098	0.00044	ng/g	☼	05/03/18 10:07	05/16/18 02:40	1
PCB-104	ND		0.0098	0.00034	ng/g	☼	05/03/18 10:07	05/16/18 02:40	1
PCB-105	0.039		0.0098	0.00089	ng/g	☼	05/03/18 10:07	05/16/18 02:40	1
PCB-106	ND		0.0098	0.00092	ng/g	☼	05/03/18 10:07	05/16/18 02:40	1
PCB-107	0.0020	J q	0.0098	0.00099	ng/g	☼	05/03/18 10:07	05/16/18 02:40	1
PCB-108	0.0023	J C B q	0.020	0.00094	ng/g	☼	05/03/18 10:07	05/16/18 02:40	1
PCB-109	0.092	B C86	0.059	0.00038	ng/g	☼	05/03/18 10:07	05/16/18 02:40	1
PCB-110	0.19	C	0.020	0.00032	ng/g	☼	05/03/18 10:07	05/16/18 02:40	1
PCB-111	ND		0.0098	0.00031	ng/g	☼	05/03/18 10:07	05/16/18 02:40	1
PCB-112	ND		0.0098	0.00033	ng/g	☼	05/03/18 10:07	05/16/18 02:40	1
PCB-113	0.23	B C90	0.029	0.00039	ng/g	☼	05/03/18 10:07	05/16/18 02:40	1
PCB-114	ND		0.0098	0.00086	ng/g	☼	05/03/18 10:07	05/16/18 02:40	1
PCB-115	0.19	C110	0.020	0.00032	ng/g	☼	05/03/18 10:07	05/16/18 02:40	1
PCB-116	0.023	J C85 B	0.029	0.00038	ng/g	☼	05/03/18 10:07	05/16/18 02:40	1
PCB-117	0.023	J C85 B	0.029	0.00038	ng/g	☼	05/03/18 10:07	05/16/18 02:40	1
PCB-118	0.12	B	0.0098	0.00087	ng/g	☼	05/03/18 10:07	05/16/18 02:40	1
PCB-119	0.092	B C86	0.059	0.00038	ng/g	☼	05/03/18 10:07	05/16/18 02:40	1
PCB-120	0.0022	J	0.0098	0.00032	ng/g	☼	05/03/18 10:07	05/16/18 02:40	1
PCB-121	ND		0.0098	0.00033	ng/g	☼	05/03/18 10:07	05/16/18 02:40	1
PCB-122	ND		0.0098	0.0011	ng/g	☼	05/03/18 10:07	05/16/18 02:40	1
PCB-123	ND		0.0098	0.00093	ng/g	☼	05/03/18 10:07	05/16/18 02:40	1
PCB-124	0.0023	J B q C108	0.020	0.00094	ng/g	☼	05/03/18 10:07	05/16/18 02:40	1
PCB-125	0.092	B C86	0.059	0.00038	ng/g	☼	05/03/18 10:07	05/16/18 02:40	1
PCB-126	ND		0.0098	0.00095	ng/g	☼	05/03/18 10:07	05/16/18 02:40	1
PCB-127	ND		0.0098	0.00092	ng/g	☼	05/03/18 10:07	05/16/18 02:40	1
PCB-128	0.042	C	0.020	0.0019	ng/g	☼	05/03/18 10:07	05/16/18 02:40	1
PCB-129	0.40	C B	0.039	0.0019	ng/g	☼	05/03/18 10:07	05/16/18 02:40	1
PCB-130	0.016	q	0.0098	0.0026	ng/g	☼	05/03/18 10:07	05/16/18 02:40	1
PCB-131	ND		0.0098	0.0027	ng/g	☼	05/03/18 10:07	05/16/18 02:40	1
PCB-132	0.12	B	0.0098	0.0025	ng/g	☼	05/03/18 10:07	05/16/18 02:40	1
PCB-133	0.0077	J	0.0098	0.0024	ng/g	☼	05/03/18 10:07	05/16/18 02:40	1
PCB-134	0.019	J C q	0.020	0.0025	ng/g	☼	05/03/18 10:07	05/16/18 02:40	1
PCB-135	0.19	C	0.020	0.00047	ng/g	☼	05/03/18 10:07	05/16/18 02:40	1
PCB-136	0.069		0.0098	0.00034	ng/g	☼	05/03/18 10:07	05/16/18 02:40	1
PCB-137	0.0070	J q	0.0098	0.0022	ng/g	☼	05/03/18 10:07	05/16/18 02:40	1
PCB-138	0.40	B C129	0.039	0.0019	ng/g	☼	05/03/18 10:07	05/16/18 02:40	1
PCB-139	ND	C	0.020	0.0021	ng/g	☼	05/03/18 10:07	05/16/18 02:40	1
PCB-140	ND	C139	0.020	0.0021	ng/g	☼	05/03/18 10:07	05/16/18 02:40	1
PCB-141	0.087		0.0098	0.0023	ng/g	☼	05/03/18 10:07	05/16/18 02:40	1
PCB-142	ND		0.0098	0.0024	ng/g	☼	05/03/18 10:07	05/16/18 02:40	1
PCB-143	0.019	J C134 q	0.020	0.0025	ng/g	☼	05/03/18 10:07	05/16/18 02:40	1
PCB-144	0.019		0.0098	0.00043	ng/g	☼	05/03/18 10:07	05/16/18 02:40	1
PCB-145	ND		0.0098	0.00032	ng/g	☼	05/03/18 10:07	05/16/18 02:40	1
PCB-146	0.077		0.0098	0.0021	ng/g	☼	05/03/18 10:07	05/16/18 02:40	1
PCB-147	0.48	C	0.020	0.0024	ng/g	☼	05/03/18 10:07	05/16/18 02:40	1

Client Sample ID: PDI-SG-B378-BL1
Date Collected: 04/24/18 13:03
Date Received: 04/25/18 13:55

Lab Sample ID: 580-76830-19
Matrix: Solid
Percent Solids: 63.1

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-148	0.0015	J q	0.0098	0.00046	ng/g	☼	05/03/18 10:07	05/16/18 02:40	1
PCB-149	0.48	C147	0.020	0.0024	ng/g	☼	05/03/18 10:07	05/16/18 02:40	1
PCB-150	0.0018	J	0.0098	0.00031	ng/g	☼	05/03/18 10:07	05/16/18 02:40	1
PCB-151	0.19	C135	0.020	0.00047	ng/g	☼	05/03/18 10:07	05/16/18 02:40	1
PCB-152	0.0010	J	0.0098	0.00033	ng/g	☼	05/03/18 10:07	05/16/18 02:40	1
PCB-153	0.40	C B	0.020	0.0017	ng/g	☼	05/03/18 10:07	05/16/18 02:40	1
PCB-154	0.0091	J	0.0098	0.00037	ng/g	☼	05/03/18 10:07	05/16/18 02:40	1
PCB-155	ND		0.0098	0.00031	ng/g	☼	05/03/18 10:07	05/16/18 02:40	1
PCB-156	0.026	C B	0.020	0.0021	ng/g	☼	05/03/18 10:07	05/16/18 02:40	1
PCB-157	0.026	C156 B	0.020	0.0021	ng/g	☼	05/03/18 10:07	05/16/18 02:40	1
PCB-158	0.030	q	0.0098	0.0015	ng/g	☼	05/03/18 10:07	05/16/18 02:40	1
PCB-159	0.0027	J q	0.0098	0.0016	ng/g	☼	05/03/18 10:07	05/16/18 02:40	1
PCB-160	0.40	B C129	0.039	0.0019	ng/g	☼	05/03/18 10:07	05/16/18 02:40	1
PCB-161	ND		0.0098	0.0016	ng/g	☼	05/03/18 10:07	05/16/18 02:40	1
PCB-162	ND		0.0098	0.0016	ng/g	☼	05/03/18 10:07	05/16/18 02:40	1
PCB-163	0.40	B C129	0.039	0.0019	ng/g	☼	05/03/18 10:07	05/16/18 02:40	1
PCB-164	0.030		0.0098	0.0017	ng/g	☼	05/03/18 10:07	05/16/18 02:40	1
PCB-165	ND		0.0098	0.0018	ng/g	☼	05/03/18 10:07	05/16/18 02:40	1
PCB-166	0.042	C128	0.020	0.0019	ng/g	☼	05/03/18 10:07	05/16/18 02:40	1
PCB-167	0.012		0.0098	0.0013	ng/g	☼	05/03/18 10:07	05/16/18 02:40	1
PCB-168	0.40	B C153	0.020	0.0017	ng/g	☼	05/03/18 10:07	05/16/18 02:40	1
PCB-169	ND		0.0098	0.0012	ng/g	☼	05/03/18 10:07	05/16/18 02:40	1
PCB-170	0.13		0.0098	0.00084	ng/g	☼	05/03/18 10:07	05/16/18 02:40	1
PCB-171	0.043	C	0.020	0.00081	ng/g	☼	05/03/18 10:07	05/16/18 02:40	1
PCB-172	0.024	B	0.0098	0.00080	ng/g	☼	05/03/18 10:07	05/16/18 02:40	1
PCB-173	0.043	C171	0.020	0.00081	ng/g	☼	05/03/18 10:07	05/16/18 02:40	1
PCB-174	0.16		0.0098	0.00075	ng/g	☼	05/03/18 10:07	05/16/18 02:40	1
PCB-175	0.0062	J	0.0098	0.00073	ng/g	☼	05/03/18 10:07	05/16/18 02:40	1
PCB-176	0.021		0.0098	0.00055	ng/g	☼	05/03/18 10:07	05/16/18 02:40	1
PCB-177	0.088		0.0098	0.00077	ng/g	☼	05/03/18 10:07	05/16/18 02:40	1
PCB-178	0.038		0.0098	0.00079	ng/g	☼	05/03/18 10:07	05/16/18 02:40	1
PCB-179	0.086		0.0098	0.00058	ng/g	☼	05/03/18 10:07	05/16/18 02:40	1
PCB-180	0.36	C B	0.020	0.00061	ng/g	☼	05/03/18 10:07	05/16/18 02:40	1
PCB-181	ND		0.0098	0.00072	ng/g	☼	05/03/18 10:07	05/16/18 02:40	1
PCB-182	ND		0.0098	0.00070	ng/g	☼	05/03/18 10:07	05/16/18 02:40	1
PCB-183	0.12	C B	0.020	0.00071	ng/g	☼	05/03/18 10:07	05/16/18 02:40	1
PCB-184	ND		0.0098	0.00059	ng/g	☼	05/03/18 10:07	05/16/18 02:40	1
PCB-185	0.12	B C183	0.020	0.00071	ng/g	☼	05/03/18 10:07	05/16/18 02:40	1
PCB-186	ND		0.0098	0.00058	ng/g	☼	05/03/18 10:07	05/16/18 02:40	1
PCB-187	0.23	B	0.0098	0.00067	ng/g	☼	05/03/18 10:07	05/16/18 02:40	1
PCB-188	ND		0.0098	0.00051	ng/g	☼	05/03/18 10:07	05/16/18 02:40	1
PCB-189	0.0039	J B q	0.0098	0.0010	ng/g	☼	05/03/18 10:07	05/16/18 02:40	1
PCB-190	0.022	q	0.0098	0.00052	ng/g	☼	05/03/18 10:07	05/16/18 02:40	1
PCB-191	0.0061	J B	0.0098	0.00055	ng/g	☼	05/03/18 10:07	05/16/18 02:40	1
PCB-192	ND		0.0098	0.00061	ng/g	☼	05/03/18 10:07	05/16/18 02:40	1
PCB-193	0.36	C180 B	0.020	0.00061	ng/g	☼	05/03/18 10:07	05/16/18 02:40	1
PCB-194	0.12	B	0.0098	0.0017	ng/g	☼	05/03/18 10:07	05/16/18 02:40	1
PCB-195	0.046		0.0098	0.0019	ng/g	☼	05/03/18 10:07	05/16/18 02:40	1
PCB-196	0.058	B	0.0098	0.00069	ng/g	☼	05/03/18 10:07	05/16/18 02:40	1

Client Sample ID: PDI-SG-B378-BL1
Date Collected: 04/24/18 13:03
Date Received: 04/25/18 13:55

Lab Sample ID: 580-76830-19
Matrix: Solid
Percent Solids: 63.1

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-197	0.0032	J q	0.0098	0.00053	ng/g	☼	05/03/18 10:07	05/16/18 02:40	1
PCB-198	0.15	C	0.020	0.00070	ng/g	☼	05/03/18 10:07	05/16/18 02:40	1
PCB-199	0.15	C198	0.020	0.00070	ng/g	☼	05/03/18 10:07	05/16/18 02:40	1
PCB-200	0.014	B	0.0098	0.00047	ng/g	☼	05/03/18 10:07	05/16/18 02:40	1
PCB-201	0.016		0.0098	0.00048	ng/g	☼	05/03/18 10:07	05/16/18 02:40	1
PCB-202	0.031		0.0098	0.00054	ng/g	☼	05/03/18 10:07	05/16/18 02:40	1
PCB-203	0.099		0.0098	0.00062	ng/g	☼	05/03/18 10:07	05/16/18 02:40	1
PCB-204	ND		0.0098	0.00053	ng/g	☼	05/03/18 10:07	05/16/18 02:40	1
PCB-205	0.0046	J B	0.0098	0.0014	ng/g	☼	05/03/18 10:07	05/16/18 02:40	1
PCB-206	0.092		0.0098	0.0013	ng/g	☼	05/03/18 10:07	05/16/18 02:40	1
PCB-207	0.010		0.0098	0.00094	ng/g	☼	05/03/18 10:07	05/16/18 02:40	1
PCB-208	0.022		0.0098	0.00097	ng/g	☼	05/03/18 10:07	05/16/18 02:40	1
PCB-209	0.025	q	0.0098	0.00027	ng/g	☼	05/03/18 10:07	05/16/18 02:40	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
PCB-1L	*86*		*30 - 140*	*05/03/18 10:07*	*05/16/18 02:40*	*1*
PCB-3L	*88*		*30 - 140*	*05/03/18 10:07*	*05/16/18 02:40*	*1*
PCB-4L	*74*		*30 - 140*	*05/03/18 10:07*	*05/16/18 02:40*	*1*
PCB-15L	*74*		*30 - 140*	*05/03/18 10:07*	*05/16/18 02:40*	*1*
PCB-19L	*85*		*30 - 140*	*05/03/18 10:07*	*05/16/18 02:40*	*1*
PCB-37L	*83*		*30 - 140*	*05/03/18 10:07*	*05/16/18 02:40*	*1*
PCB-54L	*87*		*30 - 140*	*05/03/18 10:07*	*05/16/18 02:40*	*1*
PCB-77L	*77*		*30 - 140*	*05/03/18 10:07*	*05/16/18 02:40*	*1*
PCB-81L	*80*		*30 - 140*	*05/03/18 10:07*	*05/16/18 02:40*	*1*
PCB-104L	*79*		*30 - 140*	*05/03/18 10:07*	*05/16/18 02:40*	*1*
PCB-105L	*88*		*30 - 140*	*05/03/18 10:07*	*05/16/18 02:40*	*1*
PCB-114L	*90*		*30 - 140*	*05/03/18 10:07*	*05/16/18 02:40*	*1*
PCB-118L	*87*		*30 - 140*	*05/03/18 10:07*	*05/16/18 02:40*	*1*
PCB-123L	*87*		*30 - 140*	*05/03/18 10:07*	*05/16/18 02:40*	*1*
PCB-126L	*85*		*30 - 140*	*05/03/18 10:07*	*05/16/18 02:40*	*1*
PCB-155L	*80*		*30 - 140*	*05/03/18 10:07*	*05/16/18 02:40*	*1*
PCB-156L	*90*	*C*	*30 - 140*	*05/03/18 10:07*	*05/16/18 02:40*	*1*
PCB-157L	*90*	*C156*	*30 - 140*	*05/03/18 10:07*	*05/16/18 02:40*	*1*
PCB-167L	*89*		*30 - 140*	*05/03/18 10:07*	*05/16/18 02:40*	*1*
PCB-169L	*96*		*30 - 140*	*05/03/18 10:07*	*05/16/18 02:40*	*1*
PCB-170L	*87*		*30 - 140*	*05/03/18 10:07*	*05/16/18 02:40*	*1*
PCB-188L	*90*		*30 - 140*	*05/03/18 10:07*	*05/16/18 02:40*	*1*
PCB-189L	*98*		*30 - 140*	*05/03/18 10:07*	*05/16/18 02:40*	*1*
PCB-202L	*92*		*30 - 140*	*05/03/18 10:07*	*05/16/18 02:40*	*1*
PCB-205L	*75*		*30 - 140*	*05/03/18 10:07*	*05/16/18 02:40*	*1*
PCB-206L	*73*		*30 - 140*	*05/03/18 10:07*	*05/16/18 02:40*	*1*
PCB-208L	*72*		*30 - 140*	*05/03/18 10:07*	*05/16/18 02:40*	*1*
PCB-209L	*66*		*30 - 140*	*05/03/18 10:07*	*05/16/18 02:40*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
PCB-28L	*89*		*40 - 125*	*05/03/18 10:07*	*05/16/18 02:40*	*1*
PCB-111L	*88*		*40 - 125*	*05/03/18 10:07*	*05/16/18 02:40*	*1*
PCB-178L	*89*		*40 - 125*	*05/03/18 10:07*	*05/16/18 02:40*	*1*

Client Sample ID: PDI-SG-B284-BL1
Date Collected: 04/24/18 09:55
Date Received: 04/25/18 13:55

Lab Sample ID: 580-76830-20
Matrix: Solid
Percent Solids: 32.8

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1	0.076		0.015	0.00070	ng/g	☼	05/03/18 10:07	05/16/18 14:29	1
PCB-2	0.055		0.015	0.00077	ng/g	☼	05/03/18 10:07	05/16/18 14:29	1
PCB-3	0.067	B	0.015	0.00083	ng/g	☼	05/03/18 10:07	05/16/18 14:29	1
PCB-4	0.23		0.029	0.0059	ng/g	☼	05/03/18 10:07	05/16/18 14:29	1
PCB-5	ND		0.015	0.0050	ng/g	☼	05/03/18 10:07	05/16/18 14:29	1
PCB-6	0.040		0.015	0.0044	ng/g	☼	05/03/18 10:07	05/16/18 14:29	1
PCB-7	0.010	J q	0.015	0.0045	ng/g	☼	05/03/18 10:07	05/16/18 14:29	1
PCB-8	0.13		0.029	0.0041	ng/g	☼	05/03/18 10:07	05/16/18 14:29	1
PCB-9	0.014	J q	0.015	0.0046	ng/g	☼	05/03/18 10:07	05/16/18 14:29	1
PCB-10	0.013	J q	0.015	0.0049	ng/g	☼	05/03/18 10:07	05/16/18 14:29	1
PCB-11	0.12	B	0.029	0.0043	ng/g	☼	05/03/18 10:07	05/16/18 14:29	1
PCB-12	0.034	C	0.029	0.0045	ng/g	☼	05/03/18 10:07	05/16/18 14:29	1
PCB-13	0.034	C12	0.029	0.0045	ng/g	☼	05/03/18 10:07	05/16/18 14:29	1
PCB-14	ND		0.015	0.0038	ng/g	☼	05/03/18 10:07	05/16/18 14:29	1
PCB-15	0.14		0.015	0.0049	ng/g	☼	05/03/18 10:07	05/16/18 14:29	1
PCB-16	0.066		0.015	0.0013	ng/g	☼	05/03/18 10:07	05/16/18 14:29	1
PCB-17	1.2		0.015	0.0012	ng/g	☼	05/03/18 10:07	05/16/18 14:29	1
PCB-18	0.18	C	0.029	0.0010	ng/g	☼	05/03/18 10:07	05/16/18 14:29	1
PCB-19	1.1		0.015	0.0014	ng/g	☼	05/03/18 10:07	05/16/18 14:29	1
PCB-20	0.82	C	0.029	0.0027	ng/g	☼	05/03/18 10:07	05/16/18 14:29	1
PCB-21	0.31	C B	0.029	0.0027	ng/g	☼	05/03/18 10:07	05/16/18 14:29	1
PCB-22	0.075		0.015	0.0028	ng/g	☼	05/03/18 10:07	05/16/18 14:29	1
PCB-23	ND		0.015	0.0028	ng/g	☼	05/03/18 10:07	05/16/18 14:29	1
PCB-24	0.0056	J q	0.015	0.00099	ng/g	☼	05/03/18 10:07	05/16/18 14:29	1
PCB-25	0.12		0.015	0.0025	ng/g	☼	05/03/18 10:07	05/16/18 14:29	1
PCB-26	0.081	C	0.029	0.0027	ng/g	☼	05/03/18 10:07	05/16/18 14:29	1
PCB-27	0.21		0.015	0.00085	ng/g	☼	05/03/18 10:07	05/16/18 14:29	1
PCB-28	0.82	C20	0.029	0.0027	ng/g	☼	05/03/18 10:07	05/16/18 14:29	1
PCB-29	0.081	C26	0.029	0.0027	ng/g	☼	05/03/18 10:07	05/16/18 14:29	1
PCB-30	0.18	C18	0.029	0.0010	ng/g	☼	05/03/18 10:07	05/16/18 14:29	1
PCB-31	0.32		0.029	0.0027	ng/g	☼	05/03/18 10:07	05/16/18 14:29	1
PCB-32	0.65		0.015	0.00082	ng/g	☼	05/03/18 10:07	05/16/18 14:29	1
PCB-33	0.31	C21 B	0.029	0.0027	ng/g	☼	05/03/18 10:07	05/16/18 14:29	1
PCB-34	0.0082	J	0.015	0.0029	ng/g	☼	05/03/18 10:07	05/16/18 14:29	1
PCB-35	0.0098	J	0.015	0.0028	ng/g	☼	05/03/18 10:07	05/16/18 14:29	1
PCB-36	ND		0.015	0.0027	ng/g	☼	05/03/18 10:07	05/16/18 14:29	1
PCB-37	0.14	B	0.015	0.0028	ng/g	☼	05/03/18 10:07	05/16/18 14:29	1
PCB-38	0.0050	J q	0.015	0.0029	ng/g	☼	05/03/18 10:07	05/16/18 14:29	1
PCB-39	0.0083	J	0.015	0.0026	ng/g	☼	05/03/18 10:07	05/16/18 14:29	1
PCB-40	1.8	C	0.044	0.027	ng/g	☼	05/03/18 10:07	05/16/18 14:29	1
PCB-41	1.8	C40	0.044	0.027	ng/g	☼	05/03/18 10:07	05/16/18 14:29	1
PCB-42	0.38	G	0.027	0.027	ng/g	☼	05/03/18 10:07	05/16/18 14:29	1
PCB-43	0.54	C	0.029	0.025	ng/g	☼	05/03/18 10:07	05/16/18 14:29	1
PCB-44	17	C B	0.044	0.024	ng/g	☼	05/03/18 10:07	05/16/18 14:29	1
PCB-45	8.0	C	0.029	0.028	ng/g	☼	05/03/18 10:07	05/16/18 14:29	1
PCB-46	0.23	G	0.034	0.034	ng/g	☼	05/03/18 10:07	05/16/18 14:29	1
PCB-47	17	C44 B	0.044	0.024	ng/g	☼	05/03/18 10:07	05/16/18 14:29	1
PCB-48	0.22	G	0.027	0.027	ng/g	☼	05/03/18 10:07	05/16/18 14:29	1
PCB-49	5.2	C	0.029	0.022	ng/g	☼	05/03/18 10:07	05/16/18 14:29	1

Client Sample ID: PDI-SG-B284-BL1
Date Collected: 04/24/18 09:55
Date Received: 04/25/18 13:55

Lab Sample ID: 580-76830-20
Matrix: Solid
Percent Solids: 32.8

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-50	2.8	C	0.029	0.026	ng/g	☼	05/03/18 10:07	05/16/18 14:29	1
PCB-51	8.0	C45	0.029	0.028	ng/g	☼	05/03/18 10:07	05/16/18 14:29	1
PCB-52	4.0	G	0.026	0.026	ng/g	☼	05/03/18 10:07	05/16/18 14:29	1
PCB-53	2.8	C50	0.029	0.026	ng/g	☼	05/03/18 10:07	05/16/18 14:29	1
PCB-54	0.85		0.015	0.00084	ng/g	☼	05/03/18 10:07	05/16/18 14:29	1
PCB-55	ND	G I	0.019	0.019	ng/g	☼	05/03/18 10:07	05/16/18 14:29	1
PCB-56	0.30	G	0.019	0.019	ng/g	☼	05/03/18 10:07	05/16/18 14:29	1
PCB-57	ND	G	0.020	0.020	ng/g	☼	05/03/18 10:07	05/16/18 14:29	1
PCB-58	0.032	G q	0.020	0.020	ng/g	☼	05/03/18 10:07	05/16/18 14:29	1
PCB-59	0.48	C	0.044	0.019	ng/g	☼	05/03/18 10:07	05/16/18 14:29	1
PCB-60	0.075	G	0.020	0.020	ng/g	☼	05/03/18 10:07	05/16/18 14:29	1
PCB-61	2.4	C	0.059	0.019	ng/g	☼	05/03/18 10:07	05/16/18 14:29	1
PCB-62	0.48	C59	0.044	0.019	ng/g	☼	05/03/18 10:07	05/16/18 14:29	1
PCB-63	0.14	G	0.018	0.018	ng/g	☼	05/03/18 10:07	05/16/18 14:29	1
PCB-64	0.41	G	0.018	0.018	ng/g	☼	05/03/18 10:07	05/16/18 14:29	1
PCB-65	17	C44 B	0.044	0.024	ng/g	☼	05/03/18 10:07	05/16/18 14:29	1
PCB-66	1.5	G	0.019	0.019	ng/g	☼	05/03/18 10:07	05/16/18 14:29	1
PCB-67	ND	G	0.017	0.017	ng/g	☼	05/03/18 10:07	05/16/18 14:29	1
PCB-68	0.19	G	0.017	0.017	ng/g	☼	05/03/18 10:07	05/16/18 14:29	1
PCB-69	5.2	C49	0.029	0.022	ng/g	☼	05/03/18 10:07	05/16/18 14:29	1
PCB-70	2.4	C61	0.059	0.019	ng/g	☼	05/03/18 10:07	05/16/18 14:29	1
PCB-71	1.8	C40	0.044	0.027	ng/g	☼	05/03/18 10:07	05/16/18 14:29	1
PCB-72	0.10	G	0.019	0.019	ng/g	☼	05/03/18 10:07	05/16/18 14:29	1
PCB-73	0.54	C43	0.029	0.025	ng/g	☼	05/03/18 10:07	05/16/18 14:29	1
PCB-74	2.4	C61	0.059	0.019	ng/g	☼	05/03/18 10:07	05/16/18 14:29	1
PCB-75	0.48	C59	0.044	0.019	ng/g	☼	05/03/18 10:07	05/16/18 14:29	1
PCB-76	2.4	C61	0.059	0.019	ng/g	☼	05/03/18 10:07	05/16/18 14:29	1
PCB-77	0.12	G	0.020	0.020	ng/g	☼	05/03/18 10:07	05/16/18 14:29	1
PCB-78	ND	G	0.020	0.020	ng/g	☼	05/03/18 10:07	05/16/18 14:29	1
PCB-79	0.055	G	0.017	0.017	ng/g	☼	05/03/18 10:07	05/16/18 14:29	1
PCB-80	ND	G I	0.017	0.017	ng/g	☼	05/03/18 10:07	05/16/18 14:29	1
PCB-81	ND	G	0.017	0.017	ng/g	☼	05/03/18 10:07	05/16/18 14:29	1
PCB-82	0.59		0.015	0.0010	ng/g	☼	05/03/18 10:07	05/16/18 14:29	1
PCB-83	11	C	0.029	0.00092	ng/g	☼	05/03/18 10:07	05/16/18 14:29	1
PCB-84	1.6		0.015	0.0010	ng/g	☼	05/03/18 10:07	05/16/18 14:29	1
PCB-85	1.4	C B	0.044	0.00074	ng/g	☼	05/03/18 10:07	05/16/18 14:29	1
PCB-86	5.9	C B	0.088	0.00075	ng/g	☼	05/03/18 10:07	05/16/18 14:29	1
PCB-87	5.9	C86 B	0.088	0.00075	ng/g	☼	05/03/18 10:07	05/16/18 14:29	1
PCB-88	5.2	C	0.029	0.00091	ng/g	☼	05/03/18 10:07	05/16/18 14:29	1
PCB-89	0.072	q	0.015	0.00099	ng/g	☼	05/03/18 10:07	05/16/18 14:29	1
PCB-90	15	C B	0.044	0.00076	ng/g	☼	05/03/18 10:07	05/16/18 14:29	1
PCB-91	5.2	C88	0.029	0.00091	ng/g	☼	05/03/18 10:07	05/16/18 14:29	1
PCB-92	3.7		0.015	0.00086	ng/g	☼	05/03/18 10:07	05/16/18 14:29	1
PCB-93	2.8	C	0.029	0.00087	ng/g	☼	05/03/18 10:07	05/16/18 14:29	1
PCB-94	1.1		0.015	0.00098	ng/g	☼	05/03/18 10:07	05/16/18 14:29	1
PCB-95	9.0		0.015	0.00095	ng/g	☼	05/03/18 10:07	05/16/18 14:29	1
PCB-96	0.53		0.015	0.00074	ng/g	☼	05/03/18 10:07	05/16/18 14:29	1
PCB-97	5.9	C86 B	0.088	0.00075	ng/g	☼	05/03/18 10:07	05/16/18 14:29	1
PCB-98	1.5	C	0.029	0.00084	ng/g	☼	05/03/18 10:07	05/16/18 14:29	1

Client Sample ID: PDI-SG-B284-BL1
Date Collected: 04/24/18 09:55
Date Received: 04/25/18 13:55

Lab Sample ID: 580-76830-20
Matrix: Solid
Percent Solids: 32.8

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-99	11	C83	0.029	0.00092	ng/g	☼	05/03/18 10:07	05/16/18 14:29	1
PCB-100	2.8	C93	0.029	0.00087	ng/g	☼	05/03/18 10:07	05/16/18 14:29	1
PCB-101	15	C90 B	0.044	0.00076	ng/g	☼	05/03/18 10:07	05/16/18 14:29	1
PCB-102	1.5	C98	0.029	0.00084	ng/g	☼	05/03/18 10:07	05/16/18 14:29	1
PCB-103	1.3		0.015	0.00087	ng/g	☼	05/03/18 10:07	05/16/18 14:29	1
PCB-104	0.19		0.015	0.00066	ng/g	☼	05/03/18 10:07	05/16/18 14:29	1
PCB-105	1.7		0.015	0.0066	ng/g	☼	05/03/18 10:07	05/16/18 14:29	1
PCB-106	ND		0.015	0.0068	ng/g	☼	05/03/18 10:07	05/16/18 14:29	1
PCB-107	0.98		0.015	0.0073	ng/g	☼	05/03/18 10:07	05/16/18 14:29	1
PCB-108	0.21	C B	0.029	0.0070	ng/g	☼	05/03/18 10:07	05/16/18 14:29	1
PCB-109	5.9	C86 B	0.088	0.00075	ng/g	☼	05/03/18 10:07	05/16/18 14:29	1
PCB-110	9.2	C	0.029	0.00063	ng/g	☼	05/03/18 10:07	05/16/18 14:29	1
PCB-111	0.079		0.015	0.00061	ng/g	☼	05/03/18 10:07	05/16/18 14:29	1
PCB-112	0.041		0.015	0.00064	ng/g	☼	05/03/18 10:07	05/16/18 14:29	1
PCB-113	15	C90 B	0.044	0.00076	ng/g	☼	05/03/18 10:07	05/16/18 14:29	1
PCB-114	0.11		0.015	0.0062	ng/g	☼	05/03/18 10:07	05/16/18 14:29	1
PCB-115	9.2	C110	0.029	0.00063	ng/g	☼	05/03/18 10:07	05/16/18 14:29	1
PCB-116	1.4	C85 B	0.044	0.00074	ng/g	☼	05/03/18 10:07	05/16/18 14:29	1
PCB-117	1.4	C85 B	0.044	0.00074	ng/g	☼	05/03/18 10:07	05/16/18 14:29	1
PCB-118	6.6	B	0.015	0.0061	ng/g	☼	05/03/18 10:07	05/16/18 14:29	1
PCB-119	5.9	C86 B	0.088	0.00075	ng/g	☼	05/03/18 10:07	05/16/18 14:29	1
PCB-120	0.20		0.015	0.00062	ng/g	☼	05/03/18 10:07	05/16/18 14:29	1
PCB-121	0.078		0.015	0.00064	ng/g	☼	05/03/18 10:07	05/16/18 14:29	1
PCB-122	0.057	q	0.015	0.0078	ng/g	☼	05/03/18 10:07	05/16/18 14:29	1
PCB-123	0.075	q B	0.015	0.0069	ng/g	☼	05/03/18 10:07	05/16/18 14:29	1
PCB-124	0.21	C108 B	0.029	0.0070	ng/g	☼	05/03/18 10:07	05/16/18 14:29	1
PCB-125	5.9	C86 B	0.088	0.00075	ng/g	☼	05/03/18 10:07	05/16/18 14:29	1
PCB-126	0.027		0.015	0.0074	ng/g	☼	05/03/18 10:07	05/16/18 14:29	1
PCB-127	0.011	J q	0.015	0.0068	ng/g	☼	05/03/18 10:07	05/16/18 14:29	1
PCB-128	2.8	G C	0.068	0.068	ng/g	☼	05/03/18 10:07	05/16/18 14:29	1
PCB-129	35	G C B	0.070	0.070	ng/g	☼	05/03/18 10:07	05/16/18 14:29	1
PCB-130	1.6	G	0.092	0.092	ng/g	☼	05/03/18 10:07	05/16/18 14:29	1
PCB-131	0.20	G q	0.096	0.096	ng/g	☼	05/03/18 10:07	05/16/18 14:29	1
PCB-132	8.3	G B	0.090	0.090	ng/g	☼	05/03/18 10:07	05/16/18 14:29	1
PCB-133	1.1	G	0.087	0.087	ng/g	☼	05/03/18 10:07	05/16/18 14:29	1
PCB-134	1.9	G C	0.091	0.091	ng/g	☼	05/03/18 10:07	05/16/18 14:29	1
PCB-135	15	C	0.029	0.0016	ng/g	☼	05/03/18 10:07	05/16/18 14:29	1
PCB-136	4.2		0.015	0.0011	ng/g	☼	05/03/18 10:07	05/16/18 14:29	1
PCB-137	0.89	G	0.079	0.079	ng/g	☼	05/03/18 10:07	05/16/18 14:29	1
PCB-138	35	G C129 B	0.070	0.070	ng/g	☼	05/03/18 10:07	05/16/18 14:29	1
PCB-139	0.71	G C B	0.078	0.078	ng/g	☼	05/03/18 10:07	05/16/18 14:29	1
PCB-140	0.71	G C139 B	0.078	0.078	ng/g	☼	05/03/18 10:07	05/16/18 14:29	1
PCB-141	7.1	G	0.082	0.082	ng/g	☼	05/03/18 10:07	05/16/18 14:29	1
PCB-142	ND	G	0.087	0.087	ng/g	☼	05/03/18 10:07	05/16/18 14:29	1
PCB-143	1.9	G C134	0.091	0.091	ng/g	☼	05/03/18 10:07	05/16/18 14:29	1
PCB-144	1.3		0.015	0.0014	ng/g	☼	05/03/18 10:07	05/16/18 14:29	1
PCB-145	0.022		0.015	0.0011	ng/g	☼	05/03/18 10:07	05/16/18 14:29	1
PCB-146	8.8	G	0.077	0.077	ng/g	☼	05/03/18 10:07	05/16/18 14:29	1
PCB-147	38	G C	0.088	0.088	ng/g	☼	05/03/18 10:07	05/16/18 14:29	1

Client Sample ID: PDI-SG-B284-BL1
Date Collected: 04/24/18 09:55
Date Received: 04/25/18 13:55

Lab Sample ID: 580-76830-20
Matrix: Solid
Percent Solids: 32.8

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-148	0.36		0.015	0.0015	ng/g	☼	05/03/18 10:07	05/16/18 14:29	1
PCB-149	38	G C147	0.088	0.088	ng/g	☼	05/03/18 10:07	05/16/18 14:29	1
PCB-150	0.38		0.015	0.0010	ng/g	☼	05/03/18 10:07	05/16/18 14:29	1
PCB-151	15	C135	0.029	0.0016	ng/g	☼	05/03/18 10:07	05/16/18 14:29	1
PCB-152	0.31		0.015	0.0011	ng/g	☼	05/03/18 10:07	05/16/18 14:29	1
PCB-153	39	G C B	0.061	0.061	ng/g	☼	05/03/18 10:07	05/16/18 14:29	1
PCB-154	1.9		0.015	0.0012	ng/g	☼	05/03/18 10:07	05/16/18 14:29	1
PCB-155	0.024	q	0.015	0.0010	ng/g	☼	05/03/18 10:07	05/16/18 14:29	1
PCB-156	3.0	G C B	0.070	0.070	ng/g	☼	05/03/18 10:07	05/16/18 14:29	1
PCB-157	3.0	G C156 B	0.070	0.070	ng/g	☼	05/03/18 10:07	05/16/18 14:29	1
PCB-158	3.0	G	0.055	0.055	ng/g	☼	05/03/18 10:07	05/16/18 14:29	1
PCB-159	0.37	G	0.058	0.058	ng/g	☼	05/03/18 10:07	05/16/18 14:29	1
PCB-160	35	G C129 B	0.070	0.070	ng/g	☼	05/03/18 10:07	05/16/18 14:29	1
PCB-161	ND	G	0.058	0.058	ng/g	☼	05/03/18 10:07	05/16/18 14:29	1
PCB-162	ND	G	0.057	0.057	ng/g	☼	05/03/18 10:07	05/16/18 14:29	1
PCB-163	35	G C129 B	0.070	0.070	ng/g	☼	05/03/18 10:07	05/16/18 14:29	1
PCB-164	2.5	G	0.061	0.061	ng/g	☼	05/03/18 10:07	05/16/18 14:29	1
PCB-165	0.083	G	0.066	0.066	ng/g	☼	05/03/18 10:07	05/16/18 14:29	1
PCB-166	2.8	G C128	0.068	0.068	ng/g	☼	05/03/18 10:07	05/16/18 14:29	1
PCB-167	1.2	G	0.046	0.046	ng/g	☼	05/03/18 10:07	05/16/18 14:29	1
PCB-168	39	G C153 B	0.061	0.061	ng/g	☼	05/03/18 10:07	05/16/18 14:29	1
PCB-169	0.24	G q B	0.047	0.047	ng/g	☼	05/03/18 10:07	05/16/18 14:29	1
PCB-170	22		0.015	0.0017	ng/g	☼	05/03/18 10:07	05/16/18 14:29	1
PCB-171	6.5	C	0.029	0.0016	ng/g	☼	05/03/18 10:07	05/16/18 14:29	1
PCB-172	3.3	B	0.015	0.0016	ng/g	☼	05/03/18 10:07	05/16/18 14:29	1
PCB-173	6.5	C171	0.029	0.0016	ng/g	☼	05/03/18 10:07	05/16/18 14:29	1
PCB-174	18		0.015	0.0015	ng/g	☼	05/03/18 10:07	05/16/18 14:29	1
PCB-175	0.79		0.015	0.0014	ng/g	☼	05/03/18 10:07	05/16/18 14:29	1
PCB-176	2.5		0.015	0.0011	ng/g	☼	05/03/18 10:07	05/16/18 14:29	1
PCB-177	11		0.015	0.0015	ng/g	☼	05/03/18 10:07	05/16/18 14:29	1
PCB-178	4.2		0.015	0.0015	ng/g	☼	05/03/18 10:07	05/16/18 14:29	1
PCB-179	8.4		0.015	0.0011	ng/g	☼	05/03/18 10:07	05/16/18 14:29	1
PCB-180	46	C B	0.029	0.0012	ng/g	☼	05/03/18 10:07	05/16/18 14:29	1
PCB-181	0.16		0.015	0.0014	ng/g	☼	05/03/18 10:07	05/16/18 14:29	1
PCB-182	0.18		0.015	0.0014	ng/g	☼	05/03/18 10:07	05/16/18 14:29	1
PCB-183	15	C B	0.029	0.0014	ng/g	☼	05/03/18 10:07	05/16/18 14:29	1
PCB-184	ND		0.015	0.0012	ng/g	☼	05/03/18 10:07	05/16/18 14:29	1
PCB-185	15	C183 B	0.029	0.0014	ng/g	☼	05/03/18 10:07	05/16/18 14:29	1
PCB-186	ND		0.015	0.0011	ng/g	☼	05/03/18 10:07	05/16/18 14:29	1
PCB-187	23	B	0.015	0.0013	ng/g	☼	05/03/18 10:07	05/16/18 14:29	1
PCB-188	ND		0.015	0.00098	ng/g	☼	05/03/18 10:07	05/16/18 14:29	1
PCB-189	0.81	B	0.015	0.0058	ng/g	☼	05/03/18 10:07	05/16/18 14:29	1
PCB-190	4.2		0.015	0.0010	ng/g	☼	05/03/18 10:07	05/16/18 14:29	1
PCB-191	0.93	B	0.015	0.0011	ng/g	☼	05/03/18 10:07	05/16/18 14:29	1
PCB-192	ND		0.015	0.0012	ng/g	☼	05/03/18 10:07	05/16/18 14:29	1
PCB-193	46	C180 B	0.029	0.0012	ng/g	☼	05/03/18 10:07	05/16/18 14:29	1
PCB-194	11	B	0.015	0.0089	ng/g	☼	05/03/18 10:07	05/16/18 14:29	1
PCB-195	5.0		0.015	0.0097	ng/g	☼	05/03/18 10:07	05/16/18 14:29	1
PCB-196	4.9	B	0.015	0.0016	ng/g	☼	05/03/18 10:07	05/16/18 14:29	1

Client Sample ID: PDI-SG-B284-BL1
Date Collected: 04/24/18 09:55
Date Received: 04/25/18 13:55

Lab Sample ID: 580-76830-20
Matrix: Solid
Percent Solids: 32.8

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-197	0.37		0.015	0.0012	ng/g	☼	05/03/18 10:07	05/16/18 14:29	1
PCB-198	8.3	C	0.029	0.0016	ng/g	☼	05/03/18 10:07	05/16/18 14:29	1
PCB-199	8.3	C198	0.029	0.0016	ng/g	☼	05/03/18 10:07	05/16/18 14:29	1
PCB-200	0.96	B	0.015	0.0011	ng/g	☼	05/03/18 10:07	05/16/18 14:29	1
PCB-201	1.0		0.015	0.0011	ng/g	☼	05/03/18 10:07	05/16/18 14:29	1
PCB-202	1.4		0.015	0.0012	ng/g	☼	05/03/18 10:07	05/16/18 14:29	1
PCB-203	5.6		0.015	0.0014	ng/g	☼	05/03/18 10:07	05/16/18 14:29	1
PCB-204	ND		0.015	0.0012	ng/g	☼	05/03/18 10:07	05/16/18 14:29	1
PCB-205	0.58	B	0.015	0.0075	ng/g	☼	05/03/18 10:07	05/16/18 14:29	1
PCB-206	2.0		0.015	0.0053	ng/g	☼	05/03/18 10:07	05/16/18 14:29	1
PCB-207	0.23		0.015	0.0037	ng/g	☼	05/03/18 10:07	05/16/18 14:29	1
PCB-208	0.41		0.015	0.0037	ng/g	☼	05/03/18 10:07	05/16/18 14:29	1
PCB-209	0.39		0.015	0.0039	ng/g	☼	05/03/18 10:07	05/16/18 14:29	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
PCB-1L	*83*		*30 - 140*	*05/03/18 10:07*	*05/16/18 14:29*	*1*
PCB-3L	*86*		*30 - 140*	*05/03/18 10:07*	*05/16/18 14:29*	*1*
PCB-4L	*76*		*30 - 140*	*05/03/18 10:07*	*05/16/18 14:29*	*1*
PCB-15L	*74*		*30 - 140*	*05/03/18 10:07*	*05/16/18 14:29*	*1*
PCB-19L	*94*		*30 - 140*	*05/03/18 10:07*	*05/16/18 14:29*	*1*
PCB-37L	*89*		*30 - 140*	*05/03/18 10:07*	*05/16/18 14:29*	*1*
PCB-54L	*93*		*30 - 140*	*05/03/18 10:07*	*05/16/18 14:29*	*1*
PCB-77L	*82*		*30 - 140*	*05/03/18 10:07*	*05/16/18 14:29*	*1*
PCB-81L	*84*		*30 - 140*	*05/03/18 10:07*	*05/16/18 14:29*	*1*
PCB-104L	*83*		*30 - 140*	*05/03/18 10:07*	*05/16/18 14:29*	*1*
PCB-105L	*91*		*30 - 140*	*05/03/18 10:07*	*05/16/18 14:29*	*1*
PCB-114L	*92*		*30 - 140*	*05/03/18 10:07*	*05/16/18 14:29*	*1*
PCB-118L	*90*		*30 - 140*	*05/03/18 10:07*	*05/16/18 14:29*	*1*
PCB-123L	*90*		*30 - 140*	*05/03/18 10:07*	*05/16/18 14:29*	*1*
PCB-126L	*85*		*30 - 140*	*05/03/18 10:07*	*05/16/18 14:29*	*1*
PCB-155L	*85*		*30 - 140*	*05/03/18 10:07*	*05/16/18 14:29*	*1*
PCB-156L	*86*	*C*	*30 - 140*	*05/03/18 10:07*	*05/16/18 14:29*	*1*
PCB-157L	*86*	*C156*	*30 - 140*	*05/03/18 10:07*	*05/16/18 14:29*	*1*
PCB-167L	*87*		*30 - 140*	*05/03/18 10:07*	*05/16/18 14:29*	*1*
PCB-169L	*88*		*30 - 140*	*05/03/18 10:07*	*05/16/18 14:29*	*1*
PCB-170L	*84*		*30 - 140*	*05/03/18 10:07*	*05/16/18 14:29*	*1*
PCB-188L	*93*		*30 - 140*	*05/03/18 10:07*	*05/16/18 14:29*	*1*
PCB-189L	*98*		*30 - 140*	*05/03/18 10:07*	*05/16/18 14:29*	*1*
PCB-202L	*95*		*30 - 140*	*05/03/18 10:07*	*05/16/18 14:29*	*1*
PCB-205L	*74*		*30 - 140*	*05/03/18 10:07*	*05/16/18 14:29*	*1*
PCB-206L	*75*		*30 - 140*	*05/03/18 10:07*	*05/16/18 14:29*	*1*
PCB-208L	*74*		*30 - 140*	*05/03/18 10:07*	*05/16/18 14:29*	*1*
PCB-209L	*64*		*30 - 140*	*05/03/18 10:07*	*05/16/18 14:29*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
PCB-28L	*94*		*40 - 125*	*05/03/18 10:07*	*05/16/18 14:29*	*1*
PCB-111L	*91*		*40 - 125*	*05/03/18 10:07*	*05/16/18 14:29*	*1*
PCB-178L	*94*		*40 - 125*	*05/03/18 10:07*	*05/16/18 14:29*	*1*

Client Sample ID: PDI-SG-B288-BL1
Date Collected: 04/24/18 11:02
Date Received: 04/25/18 13:55

Lab Sample ID: 580-76830-21
Matrix: Solid
Percent Solids: 30.4

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1	0.067		0.016	0.00064	ng/g	☼	05/03/18 10:07	05/16/18 17:34	1
PCB-2	0.044		0.016	0.00072	ng/g	☼	05/03/18 10:07	05/16/18 17:34	1
PCB-3	0.050	B	0.016	0.00079	ng/g	☼	05/03/18 10:07	05/16/18 17:34	1
PCB-4	0.085	q	0.033	0.0057	ng/g	☼	05/03/18 10:07	05/16/18 17:34	1
PCB-5	ND		0.016	0.0048	ng/g	☼	05/03/18 10:07	05/16/18 17:34	1
PCB-6	0.038		0.016	0.0043	ng/g	☼	05/03/18 10:07	05/16/18 17:34	1
PCB-7	0.0089	J q	0.016	0.0044	ng/g	☼	05/03/18 10:07	05/16/18 17:34	1
PCB-8	0.12		0.033	0.0039	ng/g	☼	05/03/18 10:07	05/16/18 17:34	1
PCB-9	0.012	J q	0.016	0.0045	ng/g	☼	05/03/18 10:07	05/16/18 17:34	1
PCB-10	0.0072	J q	0.016	0.0048	ng/g	☼	05/03/18 10:07	05/16/18 17:34	1
PCB-11	0.12	B	0.033	0.0042	ng/g	☼	05/03/18 10:07	05/16/18 17:34	1
PCB-12	0.028	J C	0.033	0.0043	ng/g	☼	05/03/18 10:07	05/16/18 17:34	1
PCB-13	0.028	J C12	0.033	0.0043	ng/g	☼	05/03/18 10:07	05/16/18 17:34	1
PCB-14	ND		0.016	0.0037	ng/g	☼	05/03/18 10:07	05/16/18 17:34	1
PCB-15	0.11		0.016	0.0047	ng/g	☼	05/03/18 10:07	05/16/18 17:34	1
PCB-16	0.047		0.016	0.00097	ng/g	☼	05/03/18 10:07	05/16/18 17:34	1
PCB-17	0.16		0.016	0.00087	ng/g	☼	05/03/18 10:07	05/16/18 17:34	1
PCB-18	0.14	C	0.033	0.00077	ng/g	☼	05/03/18 10:07	05/16/18 17:34	1
PCB-19	0.19		0.016	0.0011	ng/g	☼	05/03/18 10:07	05/16/18 17:34	1
PCB-20	0.41	C	0.033	0.0019	ng/g	☼	05/03/18 10:07	05/16/18 17:34	1
PCB-21	0.16	C B	0.033	0.0018	ng/g	☼	05/03/18 10:07	05/16/18 17:34	1
PCB-22	0.069		0.016	0.0019	ng/g	☼	05/03/18 10:07	05/16/18 17:34	1
PCB-23	ND		0.016	0.0019	ng/g	☼	05/03/18 10:07	05/16/18 17:34	1
PCB-24	0.0018	J q	0.016	0.00073	ng/g	☼	05/03/18 10:07	05/16/18 17:34	1
PCB-25	0.056		0.016	0.0017	ng/g	☼	05/03/18 10:07	05/16/18 17:34	1
PCB-26	0.072	C	0.033	0.0018	ng/g	☼	05/03/18 10:07	05/16/18 17:34	1
PCB-27	0.045		0.016	0.00064	ng/g	☼	05/03/18 10:07	05/16/18 17:34	1
PCB-28	0.41	C20	0.033	0.0019	ng/g	☼	05/03/18 10:07	05/16/18 17:34	1
PCB-29	0.072	C26	0.033	0.0018	ng/g	☼	05/03/18 10:07	05/16/18 17:34	1
PCB-30	0.14	C18	0.033	0.00077	ng/g	☼	05/03/18 10:07	05/16/18 17:34	1
PCB-31	0.22		0.033	0.0018	ng/g	☼	05/03/18 10:07	05/16/18 17:34	1
PCB-32	0.16		0.016	0.00061	ng/g	☼	05/03/18 10:07	05/16/18 17:34	1
PCB-33	0.16	C21 B	0.033	0.0018	ng/g	☼	05/03/18 10:07	05/16/18 17:34	1
PCB-34	ND		0.016	0.0020	ng/g	☼	05/03/18 10:07	05/16/18 17:34	1
PCB-35	0.0066	J	0.016	0.0019	ng/g	☼	05/03/18 10:07	05/16/18 17:34	1
PCB-36	ND		0.016	0.0018	ng/g	☼	05/03/18 10:07	05/16/18 17:34	1
PCB-37	0.11	B	0.016	0.0019	ng/g	☼	05/03/18 10:07	05/16/18 17:34	1
PCB-38	ND		0.016	0.0020	ng/g	☼	05/03/18 10:07	05/16/18 17:34	1
PCB-39	ND		0.016	0.0018	ng/g	☼	05/03/18 10:07	05/16/18 17:34	1
PCB-40	0.72	C	0.049	0.0095	ng/g	☼	05/03/18 10:07	05/16/18 17:34	1
PCB-41	0.72	C40	0.049	0.0095	ng/g	☼	05/03/18 10:07	05/16/18 17:34	1
PCB-42	0.20		0.016	0.0095	ng/g	☼	05/03/18 10:07	05/16/18 17:34	1
PCB-43	0.13	C	0.033	0.0089	ng/g	☼	05/03/18 10:07	05/16/18 17:34	1
PCB-44	4.3	C B	0.049	0.0084	ng/g	☼	05/03/18 10:07	05/16/18 17:34	1
PCB-45	1.9	C	0.033	0.010	ng/g	☼	05/03/18 10:07	05/16/18 17:34	1
PCB-46	0.090		0.016	0.012	ng/g	☼	05/03/18 10:07	05/16/18 17:34	1
PCB-47	4.3	C44 B	0.049	0.0084	ng/g	☼	05/03/18 10:07	05/16/18 17:34	1
PCB-48	0.088		0.016	0.0095	ng/g	☼	05/03/18 10:07	05/16/18 17:34	1
PCB-49	2.0	C	0.033	0.0078	ng/g	☼	05/03/18 10:07	05/16/18 17:34	1

Client Sample ID: PDI-SG-B288-BL1
Date Collected: 04/24/18 11:02
Date Received: 04/25/18 13:55

Lab Sample ID: 580-76830-21
Matrix: Solid
Percent Solids: 30.4

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-50	0.93	C	0.033	0.0092	ng/g	☼	05/03/18 10:07	05/16/18 17:34	1
PCB-51	1.9	C45	0.033	0.010	ng/g	☼	05/03/18 10:07	05/16/18 17:34	1
PCB-52	2.5		0.016	0.0095	ng/g	☼	05/03/18 10:07	05/16/18 17:34	1
PCB-53	0.93	C50	0.033	0.0092	ng/g	☼	05/03/18 10:07	05/16/18 17:34	1
PCB-54	0.19		0.016	0.00070	ng/g	☼	05/03/18 10:07	05/16/18 17:34	1
PCB-55	ND		0.016	0.0069	ng/g	☼	05/03/18 10:07	05/16/18 17:34	1
PCB-56	0.26		0.016	0.0069	ng/g	☼	05/03/18 10:07	05/16/18 17:34	1
PCB-57	ND		0.016	0.0070	ng/g	☼	05/03/18 10:07	05/16/18 17:34	1
PCB-58	ND		0.016	0.0071	ng/g	☼	05/03/18 10:07	05/16/18 17:34	1
PCB-59	0.14	C	0.049	0.0067	ng/g	☼	05/03/18 10:07	05/16/18 17:34	1
PCB-60	0.071		0.016	0.0071	ng/g	☼	05/03/18 10:07	05/16/18 17:34	1
PCB-61	1.7	C	0.066	0.0066	ng/g	☼	05/03/18 10:07	05/16/18 17:34	1
PCB-62	0.14	C59	0.049	0.0067	ng/g	☼	05/03/18 10:07	05/16/18 17:34	1
PCB-63	ND		0.016	0.0065	ng/g	☼	05/03/18 10:07	05/16/18 17:34	1
PCB-64	0.30		0.016	0.0064	ng/g	☼	05/03/18 10:07	05/16/18 17:34	1
PCB-65	4.3	C44 B	0.049	0.0084	ng/g	☼	05/03/18 10:07	05/16/18 17:34	1
PCB-66	1.0		0.016	0.0066	ng/g	☼	05/03/18 10:07	05/16/18 17:34	1
PCB-67	ND		0.016	0.0061	ng/g	☼	05/03/18 10:07	05/16/18 17:34	1
PCB-68	0.053		0.016	0.0062	ng/g	☼	05/03/18 10:07	05/16/18 17:34	1
PCB-69	2.0	C49	0.033	0.0078	ng/g	☼	05/03/18 10:07	05/16/18 17:34	1
PCB-70	1.7	C61	0.066	0.0066	ng/g	☼	05/03/18 10:07	05/16/18 17:34	1
PCB-71	0.72	C40	0.049	0.0095	ng/g	☼	05/03/18 10:07	05/16/18 17:34	1
PCB-72	0.039	q	0.016	0.0069	ng/g	☼	05/03/18 10:07	05/16/18 17:34	1
PCB-73	0.13	C43	0.033	0.0089	ng/g	☼	05/03/18 10:07	05/16/18 17:34	1
PCB-74	1.7	C61	0.066	0.0066	ng/g	☼	05/03/18 10:07	05/16/18 17:34	1
PCB-75	0.14	C59	0.049	0.0067	ng/g	☼	05/03/18 10:07	05/16/18 17:34	1
PCB-76	1.7	C61	0.066	0.0066	ng/g	☼	05/03/18 10:07	05/16/18 17:34	1
PCB-77	0.083		0.016	0.0068	ng/g	☼	05/03/18 10:07	05/16/18 17:34	1
PCB-78	ND		0.016	0.0071	ng/g	☼	05/03/18 10:07	05/16/18 17:34	1
PCB-79	0.020	q	0.016	0.0062	ng/g	☼	05/03/18 10:07	05/16/18 17:34	1
PCB-80	ND		0.016	0.0061	ng/g	☼	05/03/18 10:07	05/16/18 17:34	1
PCB-81	ND		0.016	0.0064	ng/g	☼	05/03/18 10:07	05/16/18 17:34	1
PCB-82	0.34		0.016	0.0018	ng/g	☼	05/03/18 10:07	05/16/18 17:34	1
PCB-83	3.7	C	0.033	0.0016	ng/g	☼	05/03/18 10:07	05/16/18 17:34	1
PCB-84	1.0		0.016	0.0018	ng/g	☼	05/03/18 10:07	05/16/18 17:34	1
PCB-85	0.56	C B	0.049	0.0013	ng/g	☼	05/03/18 10:07	05/16/18 17:34	1
PCB-86	2.7	C B	0.099	0.0013	ng/g	☼	05/03/18 10:07	05/16/18 17:34	1
PCB-87	2.7	C86 B	0.099	0.0013	ng/g	☼	05/03/18 10:07	05/16/18 17:34	1
PCB-88	1.4	C	0.033	0.0016	ng/g	☼	05/03/18 10:07	05/16/18 17:34	1
PCB-89	ND		0.016	0.0017	ng/g	☼	05/03/18 10:07	05/16/18 17:34	1
PCB-90	6.5	C B	0.049	0.0013	ng/g	☼	05/03/18 10:07	05/16/18 17:34	1
PCB-91	1.4	C88	0.033	0.0016	ng/g	☼	05/03/18 10:07	05/16/18 17:34	1
PCB-92	1.4		0.016	0.0015	ng/g	☼	05/03/18 10:07	05/16/18 17:34	1
PCB-93	0.71	C	0.033	0.0015	ng/g	☼	05/03/18 10:07	05/16/18 17:34	1
PCB-94	0.19		0.016	0.0017	ng/g	☼	05/03/18 10:07	05/16/18 17:34	1
PCB-95	5.0		0.016	0.0017	ng/g	☼	05/03/18 10:07	05/16/18 17:34	1
PCB-96	0.14		0.016	0.0013	ng/g	☼	05/03/18 10:07	05/16/18 17:34	1
PCB-97	2.7	C86 B	0.099	0.0013	ng/g	☼	05/03/18 10:07	05/16/18 17:34	1
PCB-98	0.34	q C	0.033	0.0015	ng/g	☼	05/03/18 10:07	05/16/18 17:34	1

Client Sample ID: PDI-SG-B288-BL1
Date Collected: 04/24/18 11:02
Date Received: 04/25/18 13:55

Lab Sample ID: 580-76830-21
Matrix: Solid
Percent Solids: 30.4

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-99	3.7	C83	0.033	0.0016	ng/g	☼	05/03/18 10:07	05/16/18 17:34	1
PCB-100	0.71	C93	0.033	0.0015	ng/g	☼	05/03/18 10:07	05/16/18 17:34	1
PCB-101	6.5	C90 B	0.049	0.0013	ng/g	☼	05/03/18 10:07	05/16/18 17:34	1
PCB-102	0.34	q C98	0.033	0.0015	ng/g	☼	05/03/18 10:07	05/16/18 17:34	1
PCB-103	0.38		0.016	0.0015	ng/g	☼	05/03/18 10:07	05/16/18 17:34	1
PCB-104	0.050		0.016	0.0012	ng/g	☼	05/03/18 10:07	05/16/18 17:34	1
PCB-105	1.0	F1	0.016	0.0055	ng/g	☼	05/03/18 10:07	05/16/18 17:34	1
PCB-106	ND		0.016	0.0058	ng/g	☼	05/03/18 10:07	05/16/18 17:34	1
PCB-107	0.42		0.016	0.0062	ng/g	☼	05/03/18 10:07	05/16/18 17:34	1
PCB-108	0.13	C B	0.033	0.0059	ng/g	☼	05/03/18 10:07	05/16/18 17:34	1
PCB-109	2.7	C86 B	0.099	0.0013	ng/g	☼	05/03/18 10:07	05/16/18 17:34	1
PCB-110	5.0	C	0.033	0.0011	ng/g	☼	05/03/18 10:07	05/16/18 17:34	1
PCB-111	ND		0.016	0.0011	ng/g	☼	05/03/18 10:07	05/16/18 17:34	1
PCB-112	ND		0.016	0.0011	ng/g	☼	05/03/18 10:07	05/16/18 17:34	1
PCB-113	6.5	C90 B	0.049	0.0013	ng/g	☼	05/03/18 10:07	05/16/18 17:34	1
PCB-114	0.062		0.016	0.0053	ng/g	☼	05/03/18 10:07	05/16/18 17:34	1
PCB-115	5.0	C110	0.033	0.0011	ng/g	☼	05/03/18 10:07	05/16/18 17:34	1
PCB-116	0.56	C85 B	0.049	0.0013	ng/g	☼	05/03/18 10:07	05/16/18 17:34	1
PCB-117	0.56	C85 B	0.049	0.0013	ng/g	☼	05/03/18 10:07	05/16/18 17:34	1
PCB-118	3.5	B	0.016	0.0049	ng/g	☼	05/03/18 10:07	05/16/18 17:34	1
PCB-119	2.7	C86 B	0.099	0.0013	ng/g	☼	05/03/18 10:07	05/16/18 17:34	1
PCB-120	0.061		0.016	0.0011	ng/g	☼	05/03/18 10:07	05/16/18 17:34	1
PCB-121	ND		0.016	0.0011	ng/g	☼	05/03/18 10:07	05/16/18 17:34	1
PCB-122	0.041	q	0.016	0.0066	ng/g	☼	05/03/18 10:07	05/16/18 17:34	1
PCB-123	0.055	B	0.016	0.0056	ng/g	☼	05/03/18 10:07	05/16/18 17:34	1
PCB-124	0.13	C108 B	0.033	0.0059	ng/g	☼	05/03/18 10:07	05/16/18 17:34	1
PCB-125	2.7	C86 B	0.099	0.0013	ng/g	☼	05/03/18 10:07	05/16/18 17:34	1
PCB-126	ND		0.016	0.0072	ng/g	☼	05/03/18 10:07	05/16/18 17:34	1
PCB-127	ND		0.016	0.0057	ng/g	☼	05/03/18 10:07	05/16/18 17:34	1
PCB-128	1.1	C	0.033	0.018	ng/g	☼	05/03/18 10:07	05/16/18 17:34	1
PCB-129	13	C B	0.066	0.019	ng/g	☼	05/03/18 10:07	05/16/18 17:34	1
PCB-130	0.73	G	0.025	0.025	ng/g	☼	05/03/18 10:07	05/16/18 17:34	1
PCB-131	ND	G	0.026	0.026	ng/g	☼	05/03/18 10:07	05/16/18 17:34	1
PCB-132	4.4	G B	0.024	0.024	ng/g	☼	05/03/18 10:07	05/16/18 17:34	1
PCB-133	0.39	G	0.024	0.024	ng/g	☼	05/03/18 10:07	05/16/18 17:34	1
PCB-134	0.79	C	0.033	0.025	ng/g	☼	05/03/18 10:07	05/16/18 17:34	1
PCB-135	4.4	C	0.033	0.0025	ng/g	☼	05/03/18 10:07	05/16/18 17:34	1
PCB-136	1.6		0.016	0.0018	ng/g	☼	05/03/18 10:07	05/16/18 17:34	1
PCB-137	0.24	G q	0.021	0.021	ng/g	☼	05/03/18 10:07	05/16/18 17:34	1
PCB-138	13	C129 B	0.066	0.019	ng/g	☼	05/03/18 10:07	05/16/18 17:34	1
PCB-139	0.23	C B	0.033	0.021	ng/g	☼	05/03/18 10:07	05/16/18 17:34	1
PCB-140	0.23	C139 B	0.033	0.021	ng/g	☼	05/03/18 10:07	05/16/18 17:34	1
PCB-141	2.7	G	0.022	0.022	ng/g	☼	05/03/18 10:07	05/16/18 17:34	1
PCB-142	ND	G	0.024	0.024	ng/g	☼	05/03/18 10:07	05/16/18 17:34	1
PCB-143	0.79	C134	0.033	0.025	ng/g	☼	05/03/18 10:07	05/16/18 17:34	1
PCB-144	0.42		0.016	0.0022	ng/g	☼	05/03/18 10:07	05/16/18 17:34	1
PCB-145	ND		0.016	0.0017	ng/g	☼	05/03/18 10:07	05/16/18 17:34	1
PCB-146	3.1	G	0.021	0.021	ng/g	☼	05/03/18 10:07	05/16/18 17:34	1
PCB-147	16	C	0.033	0.024	ng/g	☼	05/03/18 10:07	05/16/18 17:34	1

Client Sample ID: PDI-SG-B288-BL1
Date Collected: 04/24/18 11:02
Date Received: 04/25/18 13:55

Lab Sample ID: 580-76830-21
Matrix: Solid
Percent Solids: 30.4

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-148	0.076		0.016	0.0024	ng/g	☼	05/03/18 10:07	05/16/18 17:34	1
PCB-149	16	C147	0.033	0.024	ng/g	☼	05/03/18 10:07	05/16/18 17:34	1
PCB-150	0.079		0.016	0.0016	ng/g	☼	05/03/18 10:07	05/16/18 17:34	1
PCB-151	4.4	C135	0.033	0.0025	ng/g	☼	05/03/18 10:07	05/16/18 17:34	1
PCB-152	0.043	q	0.016	0.0017	ng/g	☼	05/03/18 10:07	05/16/18 17:34	1
PCB-153	14	C B	0.033	0.016	ng/g	☼	05/03/18 10:07	05/16/18 17:34	1
PCB-154	0.39		0.016	0.0019	ng/g	☼	05/03/18 10:07	05/16/18 17:34	1
PCB-155	0.0083	J	0.016	0.0016	ng/g	☼	05/03/18 10:07	05/16/18 17:34	1
PCB-156	0.88	C B F1 F2	0.033	0.019	ng/g	☼	05/03/18 10:07	05/16/18 17:34	1
PCB-157	0.88	C156 B F1 F2	0.033	0.019	ng/g	☼	05/03/18 10:07	05/16/18 17:34	1
PCB-158	1.1		0.016	0.015	ng/g	☼	05/03/18 10:07	05/16/18 17:34	1
PCB-159	ND		0.016	0.016	ng/g	☼	05/03/18 10:07	05/16/18 17:34	1
PCB-160	13	C129 B	0.066	0.019	ng/g	☼	05/03/18 10:07	05/16/18 17:34	1
PCB-161	ND		0.016	0.016	ng/g	☼	05/03/18 10:07	05/16/18 17:34	1
PCB-162	ND		0.016	0.015	ng/g	☼	05/03/18 10:07	05/16/18 17:34	1
PCB-163	13	C129 B	0.066	0.019	ng/g	☼	05/03/18 10:07	05/16/18 17:34	1
PCB-164	0.96	G	0.017	0.017	ng/g	☼	05/03/18 10:07	05/16/18 17:34	1
PCB-165	ND	G	0.018	0.018	ng/g	☼	05/03/18 10:07	05/16/18 17:34	1
PCB-166	1.1	C128	0.033	0.018	ng/g	☼	05/03/18 10:07	05/16/18 17:34	1
PCB-167	0.33	F1 F2	0.016	0.012	ng/g	☼	05/03/18 10:07	05/16/18 17:34	1
PCB-168	14	C153 B	0.033	0.016	ng/g	☼	05/03/18 10:07	05/16/18 17:34	1
PCB-169	ND		0.016	0.014	ng/g	☼	05/03/18 10:07	05/16/18 17:34	1
PCB-170	4.1		0.016	0.0072	ng/g	☼	05/03/18 10:07	05/16/18 17:34	1
PCB-171	1.1	C	0.033	0.0062	ng/g	☼	05/03/18 10:07	05/16/18 17:34	1
PCB-172	0.56	B	0.016	0.0061	ng/g	☼	05/03/18 10:07	05/16/18 17:34	1
PCB-173	1.1	C171	0.033	0.0062	ng/g	☼	05/03/18 10:07	05/16/18 17:34	1
PCB-174	3.7		0.016	0.0058	ng/g	☼	05/03/18 10:07	05/16/18 17:34	1
PCB-175	0.15		0.016	0.0056	ng/g	☼	05/03/18 10:07	05/16/18 17:34	1
PCB-176	0.52		0.016	0.0042	ng/g	☼	05/03/18 10:07	05/16/18 17:34	1
PCB-177	2.4		0.016	0.0059	ng/g	☼	05/03/18 10:07	05/16/18 17:34	1
PCB-178	0.87		0.016	0.0060	ng/g	☼	05/03/18 10:07	05/16/18 17:34	1
PCB-179	2.0		0.016	0.0044	ng/g	☼	05/03/18 10:07	05/16/18 17:34	1
PCB-180	7.6	C B	0.033	0.0047	ng/g	☼	05/03/18 10:07	05/16/18 17:34	1
PCB-181	ND		0.016	0.0055	ng/g	☼	05/03/18 10:07	05/16/18 17:34	1
PCB-182	ND		0.016	0.0054	ng/g	☼	05/03/18 10:07	05/16/18 17:34	1
PCB-183	2.6	C B	0.033	0.0054	ng/g	☼	05/03/18 10:07	05/16/18 17:34	1
PCB-184	ND		0.016	0.0046	ng/g	☼	05/03/18 10:07	05/16/18 17:34	1
PCB-185	2.6	C183 B	0.033	0.0054	ng/g	☼	05/03/18 10:07	05/16/18 17:34	1
PCB-186	ND		0.016	0.0044	ng/g	☼	05/03/18 10:07	05/16/18 17:34	1
PCB-187	4.5	B	0.016	0.0052	ng/g	☼	05/03/18 10:07	05/16/18 17:34	1
PCB-188	ND		0.016	0.0037	ng/g	☼	05/03/18 10:07	05/16/18 17:34	1
PCB-189	0.16	B F1 F2	0.016	0.0057	ng/g	☼	05/03/18 10:07	05/16/18 17:34	1
PCB-190	0.65		0.016	0.0040	ng/g	☼	05/03/18 10:07	05/16/18 17:34	1
PCB-191	0.13	B	0.016	0.0042	ng/g	☼	05/03/18 10:07	05/16/18 17:34	1
PCB-192	ND		0.016	0.0047	ng/g	☼	05/03/18 10:07	05/16/18 17:34	1
PCB-193	7.6	C180 B	0.033	0.0047	ng/g	☼	05/03/18 10:07	05/16/18 17:34	1
PCB-194	1.7	B	0.016	0.012	ng/g	☼	05/03/18 10:07	05/16/18 17:34	1
PCB-195	0.96		0.016	0.013	ng/g	☼	05/03/18 10:07	05/16/18 17:34	1
PCB-196	0.79	B	0.016	0.0059	ng/g	☼	05/03/18 10:07	05/16/18 17:34	1

Client Sample ID: PDI-SG-B288-BL1
Date Collected: 04/24/18 11:02
Date Received: 04/25/18 13:55

Lab Sample ID: 580-76830-21
Matrix: Solid
Percent Solids: 30.4

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-197	0.061		0.016	0.0045	ng/g	☼	05/03/18 10:07	05/16/18 17:34	1
PCB-198	1.5	C	0.033	0.0060	ng/g	☼	05/03/18 10:07	05/16/18 17:34	1
PCB-199	1.5	C198	0.033	0.0060	ng/g	☼	05/03/18 10:07	05/16/18 17:34	1
PCB-200	0.17	B	0.016	0.0040	ng/g	☼	05/03/18 10:07	05/16/18 17:34	1
PCB-201	0.18		0.016	0.0041	ng/g	☼	05/03/18 10:07	05/16/18 17:34	1
PCB-202	0.50	q F2 F1	0.016	0.0046	ng/g	☼	05/03/18 10:07	05/16/18 17:34	1
PCB-203	0.96		0.016	0.0053	ng/g	☼	05/03/18 10:07	05/16/18 17:34	1
PCB-204	ND		0.016	0.0045	ng/g	☼	05/03/18 10:07	05/16/18 17:34	1
PCB-205	0.10	B F1	0.016	0.010	ng/g	☼	05/03/18 10:07	05/16/18 17:34	1
PCB-206	0.61	F1 F2	0.016	0.0068	ng/g	☼	05/03/18 10:07	05/16/18 17:34	1
PCB-207	0.066		0.016	0.0045	ng/g	☼	05/03/18 10:07	05/16/18 17:34	1
PCB-208	0.15	q F1	0.016	0.0044	ng/g	☼	05/03/18 10:07	05/16/18 17:34	1
PCB-209	0.30		0.016	0.0038	ng/g	☼	05/03/18 10:07	05/16/18 17:34	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
PCB-1L	*86*		*30 - 140*	*05/03/18 10:07*	*05/16/18 17:34*	*1*
PCB-3L	*89*		*30 - 140*	*05/03/18 10:07*	*05/16/18 17:34*	*1*
PCB-4L	*78*		*30 - 140*	*05/03/18 10:07*	*05/16/18 17:34*	*1*
PCB-15L	*76*		*30 - 140*	*05/03/18 10:07*	*05/16/18 17:34*	*1*
PCB-19L	*100*		*30 - 140*	*05/03/18 10:07*	*05/16/18 17:34*	*1*
PCB-37L	*87*		*30 - 140*	*05/03/18 10:07*	*05/16/18 17:34*	*1*
PCB-54L	*91*		*30 - 140*	*05/03/18 10:07*	*05/16/18 17:34*	*1*
PCB-77L	*77*		*30 - 140*	*05/03/18 10:07*	*05/16/18 17:34*	*1*
PCB-81L	*78*		*30 - 140*	*05/03/18 10:07*	*05/16/18 17:34*	*1*
PCB-104L	*83*		*30 - 140*	*05/03/18 10:07*	*05/16/18 17:34*	*1*
PCB-105L	*97*		*30 - 140*	*05/03/18 10:07*	*05/16/18 17:34*	*1*
PCB-114L	*100*		*30 - 140*	*05/03/18 10:07*	*05/16/18 17:34*	*1*
PCB-118L	*102*		*30 - 140*	*05/03/18 10:07*	*05/16/18 17:34*	*1*
PCB-123L	*98*		*30 - 140*	*05/03/18 10:07*	*05/16/18 17:34*	*1*
PCB-126L	*80*		*30 - 140*	*05/03/18 10:07*	*05/16/18 17:34*	*1*
PCB-155L	*86*		*30 - 140*	*05/03/18 10:07*	*05/16/18 17:34*	*1*
PCB-156L	*80*	*C*	*30 - 140*	*05/03/18 10:07*	*05/16/18 17:34*	*1*
PCB-157L	*80*	*C156*	*30 - 140*	*05/03/18 10:07*	*05/16/18 17:34*	*1*
PCB-167L	*85*		*30 - 140*	*05/03/18 10:07*	*05/16/18 17:34*	*1*
PCB-169L	*77*		*30 - 140*	*05/03/18 10:07*	*05/16/18 17:34*	*1*
PCB-170L	*86*		*30 - 140*	*05/03/18 10:07*	*05/16/18 17:34*	*1*
PCB-188L	*109*		*30 - 140*	*05/03/18 10:07*	*05/16/18 17:34*	*1*
PCB-189L	*121*		*30 - 140*	*05/03/18 10:07*	*05/16/18 17:34*	*1*
PCB-202L	*105*		*30 - 140*	*05/03/18 10:07*	*05/16/18 17:34*	*1*
PCB-205L	*81*		*30 - 140*	*05/03/18 10:07*	*05/16/18 17:34*	*1*
PCB-206L	*91*		*30 - 140*	*05/03/18 10:07*	*05/16/18 17:34*	*1*
PCB-208L	*92*		*30 - 140*	*05/03/18 10:07*	*05/16/18 17:34*	*1*
PCB-209L	*86*		*30 - 140*	*05/03/18 10:07*	*05/16/18 17:34*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
PCB-28L	*92*		*40 - 125*	*05/03/18 10:07*	*05/16/18 17:34*	*1*
PCB-111L	*85*		*40 - 125*	*05/03/18 10:07*	*05/16/18 17:34*	*1*
PCB-178L	*103*		*40 - 125*	*05/03/18 10:07*	*05/16/18 17:34*	*1*

Client Sample ID: PDI-SG-B294-BL1
Date Collected: 04/24/18 12:24
Date Received: 04/25/18 13:55

Lab Sample ID: 580-76830-22
Matrix: Solid
Percent Solids: 34.7

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1	0.034		0.014	0.00045	ng/g	☼	05/03/18 10:07	05/16/18 15:31	1
PCB-2	0.036		0.014	0.00052	ng/g	☼	05/03/18 10:07	05/16/18 15:31	1
PCB-3	0.031	B	0.014	0.00058	ng/g	☼	05/03/18 10:07	05/16/18 15:31	1
PCB-4	0.051	q	0.028	0.0037	ng/g	☼	05/03/18 10:07	05/16/18 15:31	1
PCB-5	ND		0.014	0.0031	ng/g	☼	05/03/18 10:07	05/16/18 15:31	1
PCB-6	0.019	q	0.014	0.0027	ng/g	☼	05/03/18 10:07	05/16/18 15:31	1
PCB-7	0.0055	J q	0.014	0.0028	ng/g	☼	05/03/18 10:07	05/16/18 15:31	1
PCB-8	0.066		0.028	0.0025	ng/g	☼	05/03/18 10:07	05/16/18 15:31	1
PCB-9	0.0045	J q	0.014	0.0028	ng/g	☼	05/03/18 10:07	05/16/18 15:31	1
PCB-10	ND		0.014	0.0030	ng/g	☼	05/03/18 10:07	05/16/18 15:31	1
PCB-11	0.095	B	0.028	0.0027	ng/g	☼	05/03/18 10:07	05/16/18 15:31	1
PCB-12	0.022	J C	0.028	0.0027	ng/g	☼	05/03/18 10:07	05/16/18 15:31	1
PCB-13	0.022	J C12	0.028	0.0027	ng/g	☼	05/03/18 10:07	05/16/18 15:31	1
PCB-14	ND		0.014	0.0023	ng/g	☼	05/03/18 10:07	05/16/18 15:31	1
PCB-15	0.083		0.014	0.0030	ng/g	☼	05/03/18 10:07	05/16/18 15:31	1
PCB-16	0.039		0.014	0.00079	ng/g	☼	05/03/18 10:07	05/16/18 15:31	1
PCB-17	0.091		0.014	0.00071	ng/g	☼	05/03/18 10:07	05/16/18 15:31	1
PCB-18	0.11	C	0.028	0.00062	ng/g	☼	05/03/18 10:07	05/16/18 15:31	1
PCB-19	0.082		0.014	0.00087	ng/g	☼	05/03/18 10:07	05/16/18 15:31	1
PCB-20	0.32	C	0.028	0.0015	ng/g	☼	05/03/18 10:07	05/16/18 15:31	1
PCB-21	0.12	C B	0.028	0.0015	ng/g	☼	05/03/18 10:07	05/16/18 15:31	1
PCB-22	0.060		0.014	0.0016	ng/g	☼	05/03/18 10:07	05/16/18 15:31	1
PCB-23	ND		0.014	0.0016	ng/g	☼	05/03/18 10:07	05/16/18 15:31	1
PCB-24	ND		0.014	0.00059	ng/g	☼	05/03/18 10:07	05/16/18 15:31	1
PCB-25	0.030		0.014	0.0014	ng/g	☼	05/03/18 10:07	05/16/18 15:31	1
PCB-26	0.046	C	0.028	0.0015	ng/g	☼	05/03/18 10:07	05/16/18 15:31	1
PCB-27	0.022		0.014	0.00052	ng/g	☼	05/03/18 10:07	05/16/18 15:31	1
PCB-28	0.32	C20	0.028	0.0015	ng/g	☼	05/03/18 10:07	05/16/18 15:31	1
PCB-29	0.046	C26	0.028	0.0015	ng/g	☼	05/03/18 10:07	05/16/18 15:31	1
PCB-30	0.11	C18	0.028	0.00062	ng/g	☼	05/03/18 10:07	05/16/18 15:31	1
PCB-31	0.20		0.028	0.0015	ng/g	☼	05/03/18 10:07	05/16/18 15:31	1
PCB-32	0.078		0.014	0.00049	ng/g	☼	05/03/18 10:07	05/16/18 15:31	1
PCB-33	0.12	B C21	0.028	0.0015	ng/g	☼	05/03/18 10:07	05/16/18 15:31	1
PCB-34	0.0047	J	0.014	0.0016	ng/g	☼	05/03/18 10:07	05/16/18 15:31	1
PCB-35	0.0066	J q	0.014	0.0016	ng/g	☼	05/03/18 10:07	05/16/18 15:31	1
PCB-36	ND		0.014	0.0015	ng/g	☼	05/03/18 10:07	05/16/18 15:31	1
PCB-37	0.11	B	0.014	0.0016	ng/g	☼	05/03/18 10:07	05/16/18 15:31	1
PCB-38	ND		0.014	0.0016	ng/g	☼	05/03/18 10:07	05/16/18 15:31	1
PCB-39	0.0028	J	0.014	0.0015	ng/g	☼	05/03/18 10:07	05/16/18 15:31	1
PCB-40	0.45	C	0.042	0.0074	ng/g	☼	05/03/18 10:07	05/16/18 15:31	1
PCB-41	0.45	C40	0.042	0.0074	ng/g	☼	05/03/18 10:07	05/16/18 15:31	1
PCB-42	0.18		0.014	0.0074	ng/g	☼	05/03/18 10:07	05/16/18 15:31	1
PCB-43	0.056	C	0.028	0.0070	ng/g	☼	05/03/18 10:07	05/16/18 15:31	1
PCB-44	1.6	C B	0.042	0.0066	ng/g	☼	05/03/18 10:07	05/16/18 15:31	1
PCB-45	0.52	C	0.028	0.0078	ng/g	☼	05/03/18 10:07	05/16/18 15:31	1
PCB-46	0.050		0.014	0.0094	ng/g	☼	05/03/18 10:07	05/16/18 15:31	1
PCB-47	1.6	B C44	0.042	0.0066	ng/g	☼	05/03/18 10:07	05/16/18 15:31	1
PCB-48	0.096		0.014	0.0074	ng/g	☼	05/03/18 10:07	05/16/18 15:31	1
PCB-49	0.87	C	0.028	0.0061	ng/g	☼	05/03/18 10:07	05/16/18 15:31	1

Client Sample ID: PDI-SG-B294-BL1
Date Collected: 04/24/18 12:24
Date Received: 04/25/18 13:55

Lab Sample ID: 580-76830-22
Matrix: Solid
Percent Solids: 34.7

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-50	0.30	C	0.028	0.0072	ng/g	☼	05/03/18 10:07	05/16/18 15:31	1
PCB-51	0.52	C45	0.028	0.0078	ng/g	☼	05/03/18 10:07	05/16/18 15:31	1
PCB-52	1.4		0.014	0.0074	ng/g	☼	05/03/18 10:07	05/16/18 15:31	1
PCB-53	0.30	C50	0.028	0.0072	ng/g	☼	05/03/18 10:07	05/16/18 15:31	1
PCB-54	0.043	q	0.014	0.00037	ng/g	☼	05/03/18 10:07	05/16/18 15:31	1
PCB-55	0.0093	J q	0.014	0.0054	ng/g	☼	05/03/18 10:07	05/16/18 15:31	1
PCB-56	0.26		0.014	0.0054	ng/g	☼	05/03/18 10:07	05/16/18 15:31	1
PCB-57	ND		0.014	0.0055	ng/g	☼	05/03/18 10:07	05/16/18 15:31	1
PCB-58	0.012	J	0.014	0.0056	ng/g	☼	05/03/18 10:07	05/16/18 15:31	1
PCB-59	0.077	C	0.042	0.0052	ng/g	☼	05/03/18 10:07	05/16/18 15:31	1
PCB-60	0.11		0.014	0.0055	ng/g	☼	05/03/18 10:07	05/16/18 15:31	1
PCB-61	1.3	C	0.056	0.0052	ng/g	☼	05/03/18 10:07	05/16/18 15:31	1
PCB-62	0.077	C59	0.042	0.0052	ng/g	☼	05/03/18 10:07	05/16/18 15:31	1
PCB-63	0.029		0.014	0.0050	ng/g	☼	05/03/18 10:07	05/16/18 15:31	1
PCB-64	0.28		0.014	0.0050	ng/g	☼	05/03/18 10:07	05/16/18 15:31	1
PCB-65	1.6	B C44	0.042	0.0066	ng/g	☼	05/03/18 10:07	05/16/18 15:31	1
PCB-66	0.86		0.014	0.0051	ng/g	☼	05/03/18 10:07	05/16/18 15:31	1
PCB-67	ND		0.014	0.0047	ng/g	☼	05/03/18 10:07	05/16/18 15:31	1
PCB-68	0.020	q	0.014	0.0049	ng/g	☼	05/03/18 10:07	05/16/18 15:31	1
PCB-69	0.87	C49	0.028	0.0061	ng/g	☼	05/03/18 10:07	05/16/18 15:31	1
PCB-70	1.3	C61	0.056	0.0052	ng/g	☼	05/03/18 10:07	05/16/18 15:31	1
PCB-71	0.45	C40	0.042	0.0074	ng/g	☼	05/03/18 10:07	05/16/18 15:31	1
PCB-72	0.022	q	0.014	0.0054	ng/g	☼	05/03/18 10:07	05/16/18 15:31	1
PCB-73	0.056	C43	0.028	0.0070	ng/g	☼	05/03/18 10:07	05/16/18 15:31	1
PCB-74	1.3	C61	0.056	0.0052	ng/g	☼	05/03/18 10:07	05/16/18 15:31	1
PCB-75	0.077	C59	0.042	0.0052	ng/g	☼	05/03/18 10:07	05/16/18 15:31	1
PCB-76	1.3	C61	0.056	0.0052	ng/g	☼	05/03/18 10:07	05/16/18 15:31	1
PCB-77	0.082		0.014	0.0054	ng/g	☼	05/03/18 10:07	05/16/18 15:31	1
PCB-78	ND		0.014	0.0056	ng/g	☼	05/03/18 10:07	05/16/18 15:31	1
PCB-79	0.020		0.014	0.0048	ng/g	☼	05/03/18 10:07	05/16/18 15:31	1
PCB-80	ND		0.014	0.0047	ng/g	☼	05/03/18 10:07	05/16/18 15:31	1
PCB-81	ND		0.014	0.0049	ng/g	☼	05/03/18 10:07	05/16/18 15:31	1
PCB-82	0.25		0.014	0.0011	ng/g	☼	05/03/18 10:07	05/16/18 15:31	1
PCB-83	2.1	C	0.028	0.0010	ng/g	☼	05/03/18 10:07	05/16/18 15:31	1
PCB-84	0.61		0.014	0.0011	ng/g	☼	05/03/18 10:07	05/16/18 15:31	1
PCB-85	0.39	C B	0.042	0.00082	ng/g	☼	05/03/18 10:07	05/16/18 15:31	1
PCB-86	1.6	C B	0.083	0.00083	ng/g	☼	05/03/18 10:07	05/16/18 15:31	1
PCB-87	1.6	B C86	0.083	0.00083	ng/g	☼	05/03/18 10:07	05/16/18 15:31	1
PCB-88	0.69	C	0.028	0.0010	ng/g	☼	05/03/18 10:07	05/16/18 15:31	1
PCB-89	ND		0.014	0.0011	ng/g	☼	05/03/18 10:07	05/16/18 15:31	1
PCB-90	3.4	C B	0.042	0.00084	ng/g	☼	05/03/18 10:07	05/16/18 15:31	1
PCB-91	0.69	C88	0.028	0.0010	ng/g	☼	05/03/18 10:07	05/16/18 15:31	1
PCB-92	0.73		0.014	0.00095	ng/g	☼	05/03/18 10:07	05/16/18 15:31	1
PCB-93	0.23	C q	0.028	0.00096	ng/g	☼	05/03/18 10:07	05/16/18 15:31	1
PCB-94	0.064		0.014	0.0011	ng/g	☼	05/03/18 10:07	05/16/18 15:31	1
PCB-95	2.7		0.014	0.0010	ng/g	☼	05/03/18 10:07	05/16/18 15:31	1
PCB-96	0.046	q	0.014	0.00082	ng/g	☼	05/03/18 10:07	05/16/18 15:31	1
PCB-97	1.6	B C86	0.083	0.00083	ng/g	☼	05/03/18 10:07	05/16/18 15:31	1
PCB-98	0.17	C	0.028	0.00093	ng/g	☼	05/03/18 10:07	05/16/18 15:31	1

Client Sample ID: PDI-SG-B294-BL1
Date Collected: 04/24/18 12:24
Date Received: 04/25/18 13:55

Lab Sample ID: 580-76830-22
Matrix: Solid
Percent Solids: 34.7

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-99	2.1	C83	0.028	0.0010	ng/g	☼	05/03/18 10:07	05/16/18 15:31	1
PCB-100	0.23	C93 q	0.028	0.00096	ng/g	☼	05/03/18 10:07	05/16/18 15:31	1
PCB-101	3.4	B C90	0.042	0.00084	ng/g	☼	05/03/18 10:07	05/16/18 15:31	1
PCB-102	0.17	C98	0.028	0.00093	ng/g	☼	05/03/18 10:07	05/16/18 15:31	1
PCB-103	0.15		0.014	0.00096	ng/g	☼	05/03/18 10:07	05/16/18 15:31	1
PCB-104	ND		0.014	0.00073	ng/g	☼	05/03/18 10:07	05/16/18 15:31	1
PCB-105	0.67		0.014	0.0037	ng/g	☼	05/03/18 10:07	05/16/18 15:31	1
PCB-106	ND		0.014	0.0040	ng/g	☼	05/03/18 10:07	05/16/18 15:31	1
PCB-107	0.27		0.014	0.0043	ng/g	☼	05/03/18 10:07	05/16/18 15:31	1
PCB-108	0.067	C B	0.028	0.0041	ng/g	☼	05/03/18 10:07	05/16/18 15:31	1
PCB-109	1.6	B C86	0.083	0.00083	ng/g	☼	05/03/18 10:07	05/16/18 15:31	1
PCB-110	3.2	C	0.028	0.00070	ng/g	☼	05/03/18 10:07	05/16/18 15:31	1
PCB-111	ND		0.014	0.00068	ng/g	☼	05/03/18 10:07	05/16/18 15:31	1
PCB-112	ND		0.014	0.00071	ng/g	☼	05/03/18 10:07	05/16/18 15:31	1
PCB-113	3.4	B C90	0.042	0.00084	ng/g	☼	05/03/18 10:07	05/16/18 15:31	1
PCB-114	0.035		0.014	0.0036	ng/g	☼	05/03/18 10:07	05/16/18 15:31	1
PCB-115	3.2	C110	0.028	0.00070	ng/g	☼	05/03/18 10:07	05/16/18 15:31	1
PCB-116	0.39	C85 B	0.042	0.00082	ng/g	☼	05/03/18 10:07	05/16/18 15:31	1
PCB-117	0.39	C85 B	0.042	0.00082	ng/g	☼	05/03/18 10:07	05/16/18 15:31	1
PCB-118	2.3	B	0.014	0.0036	ng/g	☼	05/03/18 10:07	05/16/18 15:31	1
PCB-119	1.6	B C86	0.083	0.00083	ng/g	☼	05/03/18 10:07	05/16/18 15:31	1
PCB-120	0.038	q	0.014	0.00069	ng/g	☼	05/03/18 10:07	05/16/18 15:31	1
PCB-121	ND		0.014	0.00071	ng/g	☼	05/03/18 10:07	05/16/18 15:31	1
PCB-122	0.023	q	0.014	0.0046	ng/g	☼	05/03/18 10:07	05/16/18 15:31	1
PCB-123	0.032	B q	0.014	0.0040	ng/g	☼	05/03/18 10:07	05/16/18 15:31	1
PCB-124	0.067	B C108	0.028	0.0041	ng/g	☼	05/03/18 10:07	05/16/18 15:31	1
PCB-125	1.6	B C86	0.083	0.00083	ng/g	☼	05/03/18 10:07	05/16/18 15:31	1
PCB-126	0.0092	J	0.014	0.0046	ng/g	☼	05/03/18 10:07	05/16/18 15:31	1
PCB-127	ND		0.014	0.0040	ng/g	☼	05/03/18 10:07	05/16/18 15:31	1
PCB-128	0.74	C	0.028	0.012	ng/g	☼	05/03/18 10:07	05/16/18 15:31	1
PCB-129	7.0	C B	0.056	0.012	ng/g	☼	05/03/18 10:07	05/16/18 15:31	1
PCB-130	0.42	G	0.016	0.016	ng/g	☼	05/03/18 10:07	05/16/18 15:31	1
PCB-131	ND	G	0.017	0.017	ng/g	☼	05/03/18 10:07	05/16/18 15:31	1
PCB-132	2.3	B G	0.016	0.016	ng/g	☼	05/03/18 10:07	05/16/18 15:31	1
PCB-133	0.17	G	0.015	0.015	ng/g	☼	05/03/18 10:07	05/16/18 15:31	1
PCB-134	0.38	C	0.028	0.016	ng/g	☼	05/03/18 10:07	05/16/18 15:31	1
PCB-135	2.5	C	0.028	0.0017	ng/g	☼	05/03/18 10:07	05/16/18 15:31	1
PCB-136	0.86		0.014	0.0012	ng/g	☼	05/03/18 10:07	05/16/18 15:31	1
PCB-137	0.15	q	0.014	0.014	ng/g	☼	05/03/18 10:07	05/16/18 15:31	1
PCB-138	7.0	B C129	0.056	0.012	ng/g	☼	05/03/18 10:07	05/16/18 15:31	1
PCB-139	0.11	C B q	0.028	0.013	ng/g	☼	05/03/18 10:07	05/16/18 15:31	1
PCB-140	0.11	B C139 q	0.028	0.013	ng/g	☼	05/03/18 10:07	05/16/18 15:31	1
PCB-141	1.3		0.014	0.014	ng/g	☼	05/03/18 10:07	05/16/18 15:31	1
PCB-142	ND	G	0.015	0.015	ng/g	☼	05/03/18 10:07	05/16/18 15:31	1
PCB-143	0.38	C134	0.028	0.016	ng/g	☼	05/03/18 10:07	05/16/18 15:31	1
PCB-144	0.23		0.014	0.0016	ng/g	☼	05/03/18 10:07	05/16/18 15:31	1
PCB-145	ND		0.014	0.0012	ng/g	☼	05/03/18 10:07	05/16/18 15:31	1
PCB-146	1.6		0.014	0.013	ng/g	☼	05/03/18 10:07	05/16/18 15:31	1
PCB-147	7.6	C	0.028	0.015	ng/g	☼	05/03/18 10:07	05/16/18 15:31	1

Client Sample ID: PDI-SG-B294-BL1
Date Collected: 04/24/18 12:24
Date Received: 04/25/18 13:55

Lab Sample ID: 580-76830-22
Matrix: Solid
Percent Solids: 34.7

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-148	0.033	q	0.014	0.0017	ng/g	☼	05/03/18 10:07	05/16/18 15:31	1
PCB-149	7.6	C147	0.028	0.015	ng/g	☼	05/03/18 10:07	05/16/18 15:31	1
PCB-150	0.032	q	0.014	0.0011	ng/g	☼	05/03/18 10:07	05/16/18 15:31	1
PCB-151	2.5	C135	0.028	0.0017	ng/g	☼	05/03/18 10:07	05/16/18 15:31	1
PCB-152	0.016		0.014	0.0012	ng/g	☼	05/03/18 10:07	05/16/18 15:31	1
PCB-153	6.9	C B	0.028	0.011	ng/g	☼	05/03/18 10:07	05/16/18 15:31	1
PCB-154	0.20		0.014	0.0013	ng/g	☼	05/03/18 10:07	05/16/18 15:31	1
PCB-155	ND		0.014	0.0011	ng/g	☼	05/03/18 10:07	05/16/18 15:31	1
PCB-156	0.57	C B	0.028	0.012	ng/g	☼	05/03/18 10:07	05/16/18 15:31	1
PCB-157	0.57	C156 B	0.028	0.012	ng/g	☼	05/03/18 10:07	05/16/18 15:31	1
PCB-158	0.58		0.014	0.0095	ng/g	☼	05/03/18 10:07	05/16/18 15:31	1
PCB-159	0.057		0.014	0.010	ng/g	☼	05/03/18 10:07	05/16/18 15:31	1
PCB-160	7.0	B C129	0.056	0.012	ng/g	☼	05/03/18 10:07	05/16/18 15:31	1
PCB-161	ND		0.014	0.010	ng/g	☼	05/03/18 10:07	05/16/18 15:31	1
PCB-162	ND		0.014	0.0099	ng/g	☼	05/03/18 10:07	05/16/18 15:31	1
PCB-163	7.0	B C129	0.056	0.012	ng/g	☼	05/03/18 10:07	05/16/18 15:31	1
PCB-164	0.54		0.014	0.011	ng/g	☼	05/03/18 10:07	05/16/18 15:31	1
PCB-165	ND		0.014	0.011	ng/g	☼	05/03/18 10:07	05/16/18 15:31	1
PCB-166	0.74	C128	0.028	0.012	ng/g	☼	05/03/18 10:07	05/16/18 15:31	1
PCB-167	0.22		0.014	0.0076	ng/g	☼	05/03/18 10:07	05/16/18 15:31	1
PCB-168	6.9	B C153	0.028	0.011	ng/g	☼	05/03/18 10:07	05/16/18 15:31	1
PCB-169	ND		0.014	0.0083	ng/g	☼	05/03/18 10:07	05/16/18 15:31	1
PCB-170	2.5		0.014	0.0034	ng/g	☼	05/03/18 10:07	05/16/18 15:31	1
PCB-171	0.70	C	0.028	0.0029	ng/g	☼	05/03/18 10:07	05/16/18 15:31	1
PCB-172	0.36	B	0.014	0.0028	ng/g	☼	05/03/18 10:07	05/16/18 15:31	1
PCB-173	0.70	C171	0.028	0.0029	ng/g	☼	05/03/18 10:07	05/16/18 15:31	1
PCB-174	2.3		0.014	0.0027	ng/g	☼	05/03/18 10:07	05/16/18 15:31	1
PCB-175	0.091	q	0.014	0.0026	ng/g	☼	05/03/18 10:07	05/16/18 15:31	1
PCB-176	0.29		0.014	0.0019	ng/g	☼	05/03/18 10:07	05/16/18 15:31	1
PCB-177	1.4		0.014	0.0027	ng/g	☼	05/03/18 10:07	05/16/18 15:31	1
PCB-178	0.52		0.014	0.0028	ng/g	☼	05/03/18 10:07	05/16/18 15:31	1
PCB-179	1.1		0.014	0.0021	ng/g	☼	05/03/18 10:07	05/16/18 15:31	1
PCB-180	4.9	C B	0.028	0.0022	ng/g	☼	05/03/18 10:07	05/16/18 15:31	1
PCB-181	ND		0.014	0.0026	ng/g	☼	05/03/18 10:07	05/16/18 15:31	1
PCB-182	0.029		0.014	0.0025	ng/g	☼	05/03/18 10:07	05/16/18 15:31	1
PCB-183	1.6	C B	0.028	0.0025	ng/g	☼	05/03/18 10:07	05/16/18 15:31	1
PCB-184	ND		0.014	0.0021	ng/g	☼	05/03/18 10:07	05/16/18 15:31	1
PCB-185	1.6	B C183	0.028	0.0025	ng/g	☼	05/03/18 10:07	05/16/18 15:31	1
PCB-186	ND		0.014	0.0020	ng/g	☼	05/03/18 10:07	05/16/18 15:31	1
PCB-187	2.9	B	0.014	0.0024	ng/g	☼	05/03/18 10:07	05/16/18 15:31	1
PCB-188	ND		0.014	0.0017	ng/g	☼	05/03/18 10:07	05/16/18 15:31	1
PCB-189	0.088	B	0.014	0.0041	ng/g	☼	05/03/18 10:07	05/16/18 15:31	1
PCB-190	0.43		0.014	0.0019	ng/g	☼	05/03/18 10:07	05/16/18 15:31	1
PCB-191	0.094	B	0.014	0.0019	ng/g	☼	05/03/18 10:07	05/16/18 15:31	1
PCB-192	ND		0.014	0.0022	ng/g	☼	05/03/18 10:07	05/16/18 15:31	1
PCB-193	4.9	C180 B	0.028	0.0022	ng/g	☼	05/03/18 10:07	05/16/18 15:31	1
PCB-194	1.2	B	0.014	0.0062	ng/g	☼	05/03/18 10:07	05/16/18 15:31	1
PCB-195	0.54		0.014	0.0068	ng/g	☼	05/03/18 10:07	05/16/18 15:31	1
PCB-196	0.50	B	0.014	0.0022	ng/g	☼	05/03/18 10:07	05/16/18 15:31	1

Client Sample ID: PDI-SG-B294-BL1
Date Collected: 04/24/18 12:24
Date Received: 04/25/18 13:55

Lab Sample ID: 580-76830-22
Matrix: Solid
Percent Solids: 34.7

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-197	0.041		0.014	0.0017	ng/g	☼	05/03/18 10:07	05/16/18 15:31	1
PCB-198	1.0	C	0.028	0.0022	ng/g	☼	05/03/18 10:07	05/16/18 15:31	1
PCB-199	1.0	C198	0.028	0.0022	ng/g	☼	05/03/18 10:07	05/16/18 15:31	1
PCB-200	0.11	B	0.014	0.0015	ng/g	☼	05/03/18 10:07	05/16/18 15:31	1
PCB-201	0.12		0.014	0.0015	ng/g	☼	05/03/18 10:07	05/16/18 15:31	1
PCB-202	0.20		0.014	0.0017	ng/g	☼	05/03/18 10:07	05/16/18 15:31	1
PCB-203	0.63		0.014	0.0020	ng/g	☼	05/03/18 10:07	05/16/18 15:31	1
PCB-204	ND		0.014	0.0017	ng/g	☼	05/03/18 10:07	05/16/18 15:31	1
PCB-205	0.058	B	0.014	0.0053	ng/g	☼	05/03/18 10:07	05/16/18 15:31	1
PCB-206	0.45		0.014	0.0037	ng/g	☼	05/03/18 10:07	05/16/18 15:31	1
PCB-207	0.048		0.014	0.0026	ng/g	☼	05/03/18 10:07	05/16/18 15:31	1
PCB-208	0.14		0.014	0.0027	ng/g	☼	05/03/18 10:07	05/16/18 15:31	1
PCB-209	0.28		0.014	0.0025	ng/g	☼	05/03/18 10:07	05/16/18 15:31	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
PCB-1L	*87*		*30 - 140*	*05/03/18 10:07*	*05/16/18 15:31*	*1*
PCB-3L	*89*		*30 - 140*	*05/03/18 10:07*	*05/16/18 15:31*	*1*
PCB-4L	*76*		*30 - 140*	*05/03/18 10:07*	*05/16/18 15:31*	*1*
PCB-15L	*74*		*30 - 140*	*05/03/18 10:07*	*05/16/18 15:31*	*1*
PCB-19L	*100*		*30 - 140*	*05/03/18 10:07*	*05/16/18 15:31*	*1*
PCB-37L	*86*		*30 - 140*	*05/03/18 10:07*	*05/16/18 15:31*	*1*
PCB-54L	*92*		*30 - 140*	*05/03/18 10:07*	*05/16/18 15:31*	*1*
PCB-77L	*82*		*30 - 140*	*05/03/18 10:07*	*05/16/18 15:31*	*1*
PCB-81L	*84*		*30 - 140*	*05/03/18 10:07*	*05/16/18 15:31*	*1*
PCB-104L	*82*		*30 - 140*	*05/03/18 10:07*	*05/16/18 15:31*	*1*
PCB-105L	*93*		*30 - 140*	*05/03/18 10:07*	*05/16/18 15:31*	*1*
PCB-114L	*96*		*30 - 140*	*05/03/18 10:07*	*05/16/18 15:31*	*1*
PCB-118L	*91*		*30 - 140*	*05/03/18 10:07*	*05/16/18 15:31*	*1*
PCB-123L	*92*		*30 - 140*	*05/03/18 10:07*	*05/16/18 15:31*	*1*
PCB-126L	*86*		*30 - 140*	*05/03/18 10:07*	*05/16/18 15:31*	*1*
PCB-155L	*86*		*30 - 140*	*05/03/18 10:07*	*05/16/18 15:31*	*1*
PCB-156L	*84*	*C*	*30 - 140*	*05/03/18 10:07*	*05/16/18 15:31*	*1*
PCB-157L	*84*	*C156*	*30 - 140*	*05/03/18 10:07*	*05/16/18 15:31*	*1*
PCB-167L	*88*		*30 - 140*	*05/03/18 10:07*	*05/16/18 15:31*	*1*
PCB-169L	*84*		*30 - 140*	*05/03/18 10:07*	*05/16/18 15:31*	*1*
PCB-170L	*81*		*30 - 140*	*05/03/18 10:07*	*05/16/18 15:31*	*1*
PCB-188L	*102*		*30 - 140*	*05/03/18 10:07*	*05/16/18 15:31*	*1*
PCB-189L	*107*		*30 - 140*	*05/03/18 10:07*	*05/16/18 15:31*	*1*
PCB-202L	*97*		*30 - 140*	*05/03/18 10:07*	*05/16/18 15:31*	*1*
PCB-205L	*75*		*30 - 140*	*05/03/18 10:07*	*05/16/18 15:31*	*1*
PCB-206L	*75*		*30 - 140*	*05/03/18 10:07*	*05/16/18 15:31*	*1*
PCB-208L	*77*		*30 - 140*	*05/03/18 10:07*	*05/16/18 15:31*	*1*
PCB-209L	*70*		*30 - 140*	*05/03/18 10:07*	*05/16/18 15:31*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
PCB-28L	*92*		*40 - 125*	*05/03/18 10:07*	*05/16/18 15:31*	*1*
PCB-111L	*89*		*40 - 125*	*05/03/18 10:07*	*05/16/18 15:31*	*1*
PCB-178L	*96*		*40 - 125*	*05/03/18 10:07*	*05/16/18 15:31*	*1*

Client Sample ID: PDI-SG-B296-BL1
Date Collected: 04/24/18 14:14
Date Received: 04/25/18 13:55

Lab Sample ID: 580-76830-23
Matrix: Solid
Percent Solids: 33.8

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1	0.048		0.015	0.00042	ng/g	☼	05/03/18 10:07	05/17/18 01:38	1
PCB-2	0.054		0.015	0.00047	ng/g	☼	05/03/18 10:07	05/17/18 01:38	1
PCB-3	0.049	B	0.015	0.00051	ng/g	☼	05/03/18 10:07	05/17/18 01:38	1
PCB-4	0.076		0.029	0.0029	ng/g	☼	05/03/18 10:07	05/17/18 01:38	1
PCB-5	0.0028	J q	0.015	0.0026	ng/g	☼	05/03/18 10:07	05/17/18 01:38	1
PCB-6	0.036		0.015	0.0023	ng/g	☼	05/03/18 10:07	05/17/18 01:38	1
PCB-7	0.0088	J q	0.015	0.0023	ng/g	☼	05/03/18 10:07	05/17/18 01:38	1
PCB-8	0.12		0.029	0.0021	ng/g	☼	05/03/18 10:07	05/17/18 01:38	1
PCB-9	0.0086	J q	0.015	0.0024	ng/g	☼	05/03/18 10:07	05/17/18 01:38	1
PCB-10	0.0044	J q	0.015	0.0025	ng/g	☼	05/03/18 10:07	05/17/18 01:38	1
PCB-11	0.11	B	0.029	0.0022	ng/g	☼	05/03/18 10:07	05/17/18 01:38	1
PCB-12	0.030	C q	0.029	0.0023	ng/g	☼	05/03/18 10:07	05/17/18 01:38	1
PCB-13	0.030	C12 q	0.029	0.0023	ng/g	☼	05/03/18 10:07	05/17/18 01:38	1
PCB-14	ND		0.015	0.0020	ng/g	☼	05/03/18 10:07	05/17/18 01:38	1
PCB-15	0.13		0.015	0.0027	ng/g	☼	05/03/18 10:07	05/17/18 01:38	1
PCB-16	0.070		0.015	0.00061	ng/g	☼	05/03/18 10:07	05/17/18 01:38	1
PCB-17	0.14		0.015	0.00054	ng/g	☼	05/03/18 10:07	05/17/18 01:38	1
PCB-18	0.20	C	0.029	0.00048	ng/g	☼	05/03/18 10:07	05/17/18 01:38	1
PCB-19	0.14		0.015	0.00067	ng/g	☼	05/03/18 10:07	05/17/18 01:38	1
PCB-20	0.55	C	0.029	0.0018	ng/g	☼	05/03/18 10:07	05/17/18 01:38	1
PCB-21	0.20	C B	0.029	0.0017	ng/g	☼	05/03/18 10:07	05/17/18 01:38	1
PCB-22	0.093		0.015	0.0018	ng/g	☼	05/03/18 10:07	05/17/18 01:38	1
PCB-23	ND		0.015	0.0018	ng/g	☼	05/03/18 10:07	05/17/18 01:38	1
PCB-24	0.0034	J	0.015	0.00046	ng/g	☼	05/03/18 10:07	05/17/18 01:38	1
PCB-25	0.053		0.015	0.0016	ng/g	☼	05/03/18 10:07	05/17/18 01:38	1
PCB-26	0.067	C	0.029	0.0017	ng/g	☼	05/03/18 10:07	05/17/18 01:38	1
PCB-27	0.043		0.015	0.00040	ng/g	☼	05/03/18 10:07	05/17/18 01:38	1
PCB-28	0.55	C20	0.029	0.0018	ng/g	☼	05/03/18 10:07	05/17/18 01:38	1
PCB-29	0.067	C26	0.029	0.0017	ng/g	☼	05/03/18 10:07	05/17/18 01:38	1
PCB-30	0.20	C18	0.029	0.00048	ng/g	☼	05/03/18 10:07	05/17/18 01:38	1
PCB-31	0.32		0.029	0.0017	ng/g	☼	05/03/18 10:07	05/17/18 01:38	1
PCB-32	0.11		0.015	0.00038	ng/g	☼	05/03/18 10:07	05/17/18 01:38	1
PCB-33	0.20	B C21	0.029	0.0017	ng/g	☼	05/03/18 10:07	05/17/18 01:38	1
PCB-34	0.0046	J q	0.015	0.0019	ng/g	☼	05/03/18 10:07	05/17/18 01:38	1
PCB-35	0.0077	J q	0.015	0.0018	ng/g	☼	05/03/18 10:07	05/17/18 01:38	1
PCB-36	ND		0.015	0.0017	ng/g	☼	05/03/18 10:07	05/17/18 01:38	1
PCB-37	0.17	B	0.015	0.0018	ng/g	☼	05/03/18 10:07	05/17/18 01:38	1
PCB-38	ND		0.015	0.0019	ng/g	☼	05/03/18 10:07	05/17/18 01:38	1
PCB-39	0.0034	J	0.015	0.0017	ng/g	☼	05/03/18 10:07	05/17/18 01:38	1
PCB-40	0.96	C	0.044	0.011	ng/g	☼	05/03/18 10:07	05/17/18 01:38	1
PCB-41	0.96	C40	0.044	0.011	ng/g	☼	05/03/18 10:07	05/17/18 01:38	1
PCB-42	0.36		0.015	0.012	ng/g	☼	05/03/18 10:07	05/17/18 01:38	1
PCB-43	0.093	C	0.029	0.011	ng/g	☼	05/03/18 10:07	05/17/18 01:38	1
PCB-44	3.3	C B	0.044	0.010	ng/g	☼	05/03/18 10:07	05/17/18 01:38	1
PCB-45	1.1	C	0.029	0.012	ng/g	☼	05/03/18 10:07	05/17/18 01:38	1
PCB-46	0.10	q	0.015	0.015	ng/g	☼	05/03/18 10:07	05/17/18 01:38	1
PCB-47	3.3	B C44	0.044	0.010	ng/g	☼	05/03/18 10:07	05/17/18 01:38	1
PCB-48	0.19		0.015	0.011	ng/g	☼	05/03/18 10:07	05/17/18 01:38	1
PCB-49	1.8	C	0.029	0.0094	ng/g	☼	05/03/18 10:07	05/17/18 01:38	1

Client Sample ID: PDI-SG-B296-BL1
Date Collected: 04/24/18 14:14
Date Received: 04/25/18 13:55

Lab Sample ID: 580-76830-23
Matrix: Solid
Percent Solids: 33.8

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-50	0.69	C	0.029	0.011	ng/g	☼	05/03/18 10:07	05/17/18 01:38	1
PCB-51	1.1	C45	0.029	0.012	ng/g	☼	05/03/18 10:07	05/17/18 01:38	1
PCB-52	3.7		0.015	0.011	ng/g	☼	05/03/18 10:07	05/17/18 01:38	1
PCB-53	0.69	C50	0.029	0.011	ng/g	☼	05/03/18 10:07	05/17/18 01:38	1
PCB-54	0.066		0.015	0.00022	ng/g	☼	05/03/18 10:07	05/17/18 01:38	1
PCB-55	ND		0.015	0.0084	ng/g	☼	05/03/18 10:07	05/17/18 01:38	1
PCB-56	0.50		0.015	0.0084	ng/g	☼	05/03/18 10:07	05/17/18 01:38	1
PCB-57	ND		0.015	0.0085	ng/g	☼	05/03/18 10:07	05/17/18 01:38	1
PCB-58	0.0095	J q	0.015	0.0086	ng/g	☼	05/03/18 10:07	05/17/18 01:38	1
PCB-59	0.16	C	0.044	0.0081	ng/g	☼	05/03/18 10:07	05/17/18 01:38	1
PCB-60	0.16		0.015	0.0085	ng/g	☼	05/03/18 10:07	05/17/18 01:38	1
PCB-61	2.8	C	0.059	0.0080	ng/g	☼	05/03/18 10:07	05/17/18 01:38	1
PCB-62	0.16	C59	0.044	0.0081	ng/g	☼	05/03/18 10:07	05/17/18 01:38	1
PCB-63	0.049		0.015	0.0078	ng/g	☼	05/03/18 10:07	05/17/18 01:38	1
PCB-64	0.63		0.015	0.0077	ng/g	☼	05/03/18 10:07	05/17/18 01:38	1
PCB-65	3.3	B C44	0.044	0.010	ng/g	☼	05/03/18 10:07	05/17/18 01:38	1
PCB-66	1.8		0.015	0.0080	ng/g	☼	05/03/18 10:07	05/17/18 01:38	1
PCB-67	0.023	q	0.015	0.0073	ng/g	☼	05/03/18 10:07	05/17/18 01:38	1
PCB-68	0.058		0.015	0.0075	ng/g	☼	05/03/18 10:07	05/17/18 01:38	1
PCB-69	1.8	C49	0.029	0.0094	ng/g	☼	05/03/18 10:07	05/17/18 01:38	1
PCB-70	2.8	C61	0.059	0.0080	ng/g	☼	05/03/18 10:07	05/17/18 01:38	1
PCB-71	0.96	C40	0.044	0.011	ng/g	☼	05/03/18 10:07	05/17/18 01:38	1
PCB-72	0.051		0.015	0.0083	ng/g	☼	05/03/18 10:07	05/17/18 01:38	1
PCB-73	0.093	C43	0.029	0.011	ng/g	☼	05/03/18 10:07	05/17/18 01:38	1
PCB-74	2.8	C61	0.059	0.0080	ng/g	☼	05/03/18 10:07	05/17/18 01:38	1
PCB-75	0.16	C59	0.044	0.0081	ng/g	☼	05/03/18 10:07	05/17/18 01:38	1
PCB-76	2.8	C61	0.059	0.0080	ng/g	☼	05/03/18 10:07	05/17/18 01:38	1
PCB-77	0.11		0.015	0.0086	ng/g	☼	05/03/18 10:07	05/17/18 01:38	1
PCB-78	ND		0.015	0.0086	ng/g	☼	05/03/18 10:07	05/17/18 01:38	1
PCB-79	0.022	q	0.015	0.0074	ng/g	☼	05/03/18 10:07	05/17/18 01:38	1
PCB-80	ND		0.015	0.0073	ng/g	☼	05/03/18 10:07	05/17/18 01:38	1
PCB-81	ND		0.015	0.0074	ng/g	☼	05/03/18 10:07	05/17/18 01:38	1
PCB-82	0.36		0.015	0.00086	ng/g	☼	05/03/18 10:07	05/17/18 01:38	1
PCB-83	ND	C	0.029	0.00079	ng/g	☼	05/03/18 10:07	05/17/18 01:38	1
PCB-84	1.1		0.015	0.00087	ng/g	☼	05/03/18 10:07	05/17/18 01:38	1
PCB-85	0.53	C B	0.044	0.00064	ng/g	☼	05/03/18 10:07	05/17/18 01:38	1
PCB-86	2.4	C B	0.088	0.00065	ng/g	☼	05/03/18 10:07	05/17/18 01:38	1
PCB-87	2.4	B C86	0.088	0.00065	ng/g	☼	05/03/18 10:07	05/17/18 01:38	1
PCB-88	1.2	C	0.029	0.00078	ng/g	☼	05/03/18 10:07	05/17/18 01:38	1
PCB-89	ND		0.015	0.00085	ng/g	☼	05/03/18 10:07	05/17/18 01:38	1
PCB-90	5.7	C B	0.044	0.00066	ng/g	☼	05/03/18 10:07	05/17/18 01:38	1
PCB-91	1.2	C88	0.029	0.00078	ng/g	☼	05/03/18 10:07	05/17/18 01:38	1
PCB-92	1.3		0.015	0.00074	ng/g	☼	05/03/18 10:07	05/17/18 01:38	1
PCB-93	0.33	C	0.029	0.00075	ng/g	☼	05/03/18 10:07	05/17/18 01:38	1
PCB-94	0.098		0.015	0.00085	ng/g	☼	05/03/18 10:07	05/17/18 01:38	1
PCB-95	5.0		0.015	0.00082	ng/g	☼	05/03/18 10:07	05/17/18 01:38	1
PCB-96	0.096		0.015	0.00064	ng/g	☼	05/03/18 10:07	05/17/18 01:38	1
PCB-97	2.4	B C86	0.088	0.00065	ng/g	☼	05/03/18 10:07	05/17/18 01:38	1
PCB-98	0.24	C	0.029	0.00073	ng/g	☼	05/03/18 10:07	05/17/18 01:38	1

Client Sample ID: PDI-SG-B296-BL1
Date Collected: 04/24/18 14:14
Date Received: 04/25/18 13:55

Lab Sample ID: 580-76830-23
Matrix: Solid
Percent Solids: 33.8

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-99	ND	C83	0.029	0.00079	ng/g	☼	05/03/18 10:07	05/17/18 01:38	1
PCB-100	**0.33**	**C93**	0.029	0.00075	ng/g	☼	05/03/18 10:07	05/17/18 01:38	1
PCB-101	**5.7**	**B C90**	0.044	0.00066	ng/g	☼	05/03/18 10:07	05/17/18 01:38	1
PCB-102	**0.24**	**C98**	0.029	0.00073	ng/g	☼	05/03/18 10:07	05/17/18 01:38	1
PCB-103	**0.25**		0.015	0.00075	ng/g	☼	05/03/18 10:07	05/17/18 01:38	1
PCB-104	ND		0.015	0.00057	ng/g	☼	05/03/18 10:07	05/17/18 01:38	1
PCB-105	**1.4**		0.015	0.0053	ng/g	☼	05/03/18 10:07	05/17/18 01:38	1
PCB-106	ND		0.015	0.0058	ng/g	☼	05/03/18 10:07	05/17/18 01:38	1
PCB-107	**0.55**		0.015	0.0062	ng/g	☼	05/03/18 10:07	05/17/18 01:38	1
PCB-108	**0.17**	**C B**	0.029	0.0059	ng/g	☼	05/03/18 10:07	05/17/18 01:38	1
PCB-109	**2.4**	**B C86**	0.088	0.00065	ng/g	☼	05/03/18 10:07	05/17/18 01:38	1
PCB-110	**4.8**	**C**	0.029	0.00055	ng/g	☼	05/03/18 10:07	05/17/18 01:38	1
PCB-111	ND		0.015	0.00053	ng/g	☼	05/03/18 10:07	05/17/18 01:38	1
PCB-112	**2.2**		0.015	0.00055	ng/g	☼	05/03/18 10:07	05/17/18 01:38	1
PCB-113	**5.7**	**B C90**	0.044	0.00066	ng/g	☼	05/03/18 10:07	05/17/18 01:38	1
PCB-114	**0.075**		0.015	0.0050	ng/g	☼	05/03/18 10:07	05/17/18 01:38	1
PCB-115	**4.8**	**C110**	0.029	0.00055	ng/g	☼	05/03/18 10:07	05/17/18 01:38	1
PCB-116	**0.53**	**C85 B**	0.044	0.00064	ng/g	☼	05/03/18 10:07	05/17/18 01:38	1
PCB-117	**0.53**	**C85 B**	0.044	0.00064	ng/g	☼	05/03/18 10:07	05/17/18 01:38	1
PCB-118	**4.4**	**B**	0.015	0.0050	ng/g	☼	05/03/18 10:07	05/17/18 01:38	1
PCB-119	**2.4**	**B C86**	0.088	0.00065	ng/g	☼	05/03/18 10:07	05/17/18 01:38	1
PCB-120	**0.035**	**q**	0.015	0.00054	ng/g	☼	05/03/18 10:07	05/17/18 01:38	1
PCB-121	ND		0.015	0.00055	ng/g	☼	05/03/18 10:07	05/17/18 01:38	1
PCB-122	**0.045**	**q**	0.015	0.0066	ng/g	☼	05/03/18 10:07	05/17/18 01:38	1
PCB-123	**0.073**	**B**	0.015	0.0058	ng/g	☼	05/03/18 10:07	05/17/18 01:38	1
PCB-124	**0.17**	**B C108**	0.029	0.0059	ng/g	☼	05/03/18 10:07	05/17/18 01:38	1
PCB-125	**2.4**	**B C86**	0.088	0.00065	ng/g	☼	05/03/18 10:07	05/17/18 01:38	1
PCB-126	**0.018**	**q**	0.015	0.0074	ng/g	☼	05/03/18 10:07	05/17/18 01:38	1
PCB-127	ND		0.015	0.0057	ng/g	☼	05/03/18 10:07	05/17/18 01:38	1
PCB-128	**1.3**	**C**	0.029	0.023	ng/g	☼	05/03/18 10:07	05/17/18 01:38	1
PCB-129	**14**	**C B**	0.059	0.024	ng/g	☼	05/03/18 10:07	05/17/18 01:38	1
PCB-130	**0.80**	**G**	0.031	0.031	ng/g	☼	05/03/18 10:07	05/17/18 01:38	1
PCB-131	ND	G	0.032	0.032	ng/g	☼	05/03/18 10:07	05/17/18 01:38	1
PCB-132	**4.2**	**B G**	0.030	0.030	ng/g	☼	05/03/18 10:07	05/17/18 01:38	1
PCB-133	**0.34**	**G**	0.029	0.029	ng/g	☼	05/03/18 10:07	05/17/18 01:38	1
PCB-134	**0.73**	**C G**	0.031	0.031	ng/g	☼	05/03/18 10:07	05/17/18 01:38	1
PCB-135	**4.9**	**C**	0.029	0.00071	ng/g	☼	05/03/18 10:07	05/17/18 01:38	1
PCB-136	**1.7**		0.015	0.00051	ng/g	☼	05/03/18 10:07	05/17/18 01:38	1
PCB-137	**0.32**	**G**	0.027	0.027	ng/g	☼	05/03/18 10:07	05/17/18 01:38	1
PCB-138	**14**	**B C129**	0.059	0.024	ng/g	☼	05/03/18 10:07	05/17/18 01:38	1
PCB-139	**0.24**	**C B**	0.029	0.026	ng/g	☼	05/03/18 10:07	05/17/18 01:38	1
PCB-140	**0.24**	**B C139**	0.029	0.026	ng/g	☼	05/03/18 10:07	05/17/18 01:38	1
PCB-141	**2.7**	**G**	0.027	0.027	ng/g	☼	05/03/18 10:07	05/17/18 01:38	1
PCB-142	ND	G	0.029	0.029	ng/g	☼	05/03/18 10:07	05/17/18 01:38	1
PCB-143	**0.73**	**C134 G**	0.031	0.031	ng/g	☼	05/03/18 10:07	05/17/18 01:38	1
PCB-144	**0.45**		0.015	0.00064	ng/g	☼	05/03/18 10:07	05/17/18 01:38	1
PCB-145	ND		0.015	0.00049	ng/g	☼	05/03/18 10:07	05/17/18 01:38	1
PCB-146	**3.2**	**G**	0.026	0.026	ng/g	☼	05/03/18 10:07	05/17/18 01:38	1
PCB-147	**15**	**C G**	0.030	0.030	ng/g	☼	05/03/18 10:07	05/17/18 01:38	1

Client Sample ID: PDI-SG-B296-BL1
Date Collected: 04/24/18 14:14
Date Received: 04/25/18 13:55

Lab Sample ID: 580-76830-23
Matrix: Solid
Percent Solids: 33.8

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-148	0.064		0.015	0.00069	ng/g	☼	05/03/18 10:07	05/17/18 01:38	1
PCB-149	15	C147 G	0.030	0.030	ng/g	☼	05/03/18 10:07	05/17/18 01:38	1
PCB-150	0.067		0.015	0.00047	ng/g	☼	05/03/18 10:07	05/17/18 01:38	1
PCB-151	4.9	C135	0.029	0.00071	ng/g	☼	05/03/18 10:07	05/17/18 01:38	1
PCB-152	0.031		0.015	0.00050	ng/g	☼	05/03/18 10:07	05/17/18 01:38	1
PCB-153	14	C B	0.029	0.021	ng/g	☼	05/03/18 10:07	05/17/18 01:38	1
PCB-154	0.33		0.015	0.00055	ng/g	☼	05/03/18 10:07	05/17/18 01:38	1
PCB-155	ND		0.015	0.00047	ng/g	☼	05/03/18 10:07	05/17/18 01:38	1
PCB-156	1.0	C B	0.029	0.021	ng/g	☼	05/03/18 10:07	05/17/18 01:38	1
PCB-157	1.0	C156 B	0.029	0.021	ng/g	☼	05/03/18 10:07	05/17/18 01:38	1
PCB-158	1.1	G	0.019	0.019	ng/g	☼	05/03/18 10:07	05/17/18 01:38	1
PCB-159	ND	G	0.020	0.020	ng/g	☼	05/03/18 10:07	05/17/18 01:38	1
PCB-160	14	B C129	0.059	0.024	ng/g	☼	05/03/18 10:07	05/17/18 01:38	1
PCB-161	ND	G	0.019	0.019	ng/g	☼	05/03/18 10:07	05/17/18 01:38	1
PCB-162	0.11	G	0.019	0.019	ng/g	☼	05/03/18 10:07	05/17/18 01:38	1
PCB-163	14	B C129	0.059	0.024	ng/g	☼	05/03/18 10:07	05/17/18 01:38	1
PCB-164	1.0	G	0.021	0.021	ng/g	☼	05/03/18 10:07	05/17/18 01:38	1
PCB-165	ND	G	0.022	0.022	ng/g	☼	05/03/18 10:07	05/17/18 01:38	1
PCB-166	1.3	C128	0.029	0.023	ng/g	☼	05/03/18 10:07	05/17/18 01:38	1
PCB-167	0.36	G	0.016	0.016	ng/g	☼	05/03/18 10:07	05/17/18 01:38	1
PCB-168	14	B C153	0.029	0.021	ng/g	☼	05/03/18 10:07	05/17/18 01:38	1
PCB-169	ND	G	0.018	0.018	ng/g	☼	05/03/18 10:07	05/17/18 01:38	1
PCB-170	4.9		0.015	0.0011	ng/g	☼	05/03/18 10:07	05/17/18 01:38	1
PCB-171	1.4	C	0.029	0.00097	ng/g	☼	05/03/18 10:07	05/17/18 01:38	1
PCB-172	0.67	B	0.015	0.00096	ng/g	☼	05/03/18 10:07	05/17/18 01:38	1
PCB-173	1.4	C171	0.029	0.00097	ng/g	☼	05/03/18 10:07	05/17/18 01:38	1
PCB-174	4.4		0.015	0.00091	ng/g	☼	05/03/18 10:07	05/17/18 01:38	1
PCB-175	0.17		0.015	0.00088	ng/g	☼	05/03/18 10:07	05/17/18 01:38	1
PCB-176	0.57		0.015	0.00066	ng/g	☼	05/03/18 10:07	05/17/18 01:38	1
PCB-177	2.8		0.015	0.00093	ng/g	☼	05/03/18 10:07	05/17/18 01:38	1
PCB-178	1.0		0.015	0.00095	ng/g	☼	05/03/18 10:07	05/17/18 01:38	1
PCB-179	2.2		0.015	0.00070	ng/g	☼	05/03/18 10:07	05/17/18 01:38	1
PCB-180	9.6	C B	0.029	0.00073	ng/g	☼	05/03/18 10:07	05/17/18 01:38	1
PCB-181	ND		0.015	0.00087	ng/g	☼	05/03/18 10:07	05/17/18 01:38	1
PCB-182	ND		0.015	0.00084	ng/g	☼	05/03/18 10:07	05/17/18 01:38	1
PCB-183	3.2	C B	0.029	0.00086	ng/g	☼	05/03/18 10:07	05/17/18 01:38	1
PCB-184	ND		0.015	0.00072	ng/g	☼	05/03/18 10:07	05/17/18 01:38	1
PCB-185	3.2	B C183	0.029	0.00086	ng/g	☼	05/03/18 10:07	05/17/18 01:38	1
PCB-186	ND		0.015	0.00070	ng/g	☼	05/03/18 10:07	05/17/18 01:38	1
PCB-187	5.5	B	0.015	0.00081	ng/g	☼	05/03/18 10:07	05/17/18 01:38	1
PCB-188	ND		0.015	0.00059	ng/g	☼	05/03/18 10:07	05/17/18 01:38	1
PCB-189	0.17	B	0.015	0.0048	ng/g	☼	05/03/18 10:07	05/17/18 01:38	1
PCB-190	0.87		0.015	0.00063	ng/g	☼	05/03/18 10:07	05/17/18 01:38	1
PCB-191	0.18	B	0.015	0.00066	ng/g	☼	05/03/18 10:07	05/17/18 01:38	1
PCB-192	ND		0.015	0.00074	ng/g	☼	05/03/18 10:07	05/17/18 01:38	1
PCB-193	9.6	C180 B	0.029	0.00073	ng/g	☼	05/03/18 10:07	05/17/18 01:38	1
PCB-194	2.3	B	0.015	0.0068	ng/g	☼	05/03/18 10:07	05/17/18 01:38	1
PCB-195	1.0		0.015	0.0075	ng/g	☼	05/03/18 10:07	05/17/18 01:38	1
PCB-196	1.0	B	0.015	0.00072	ng/g	☼	05/03/18 10:07	05/17/18 01:38	1

Client Sample ID: PDI-SG-B296-BL1
Date Collected: 04/24/18 14:14
Date Received: 04/25/18 13:55

Lab Sample ID: 580-76830-23
Matrix: Solid
Percent Solids: 33.8

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-197	0.072		0.015	0.00055	ng/g	☼	05/03/18 10:07	05/17/18 01:38	1
PCB-198	2.0	C	0.029	0.00073	ng/g	☼	05/03/18 10:07	05/17/18 01:38	1
PCB-199	2.0	C198	0.029	0.00073	ng/g	☼	05/03/18 10:07	05/17/18 01:38	1
PCB-200	0.20	B	0.015	0.00049	ng/g	☼	05/03/18 10:07	05/17/18 01:38	1
PCB-201	0.22		0.015	0.00050	ng/g	☼	05/03/18 10:07	05/17/18 01:38	1
PCB-202	0.36		0.015	0.00056	ng/g	☼	05/03/18 10:07	05/17/18 01:38	1
PCB-203	1.3		0.015	0.00065	ng/g	☼	05/03/18 10:07	05/17/18 01:38	1
PCB-204	ND		0.015	0.00055	ng/g	☼	05/03/18 10:07	05/17/18 01:38	1
PCB-205	0.11	B	0.015	0.0057	ng/g	☼	05/03/18 10:07	05/17/18 01:38	1
PCB-206	0.82		0.015	0.0033	ng/g	☼	05/03/18 10:07	05/17/18 01:38	1
PCB-207	0.083		0.015	0.0023	ng/g	☼	05/03/18 10:07	05/17/18 01:38	1
PCB-208	0.25		0.015	0.0024	ng/g	☼	05/03/18 10:07	05/17/18 01:38	1
PCB-209	0.34		0.015	0.0017	ng/g	☼	05/03/18 10:07	05/17/18 01:38	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
PCB-1L	*89*		*30 - 140*	*05/03/18 10:07*	*05/17/18 01:38*	*1*
PCB-3L	*90*		*30 - 140*	*05/03/18 10:07*	*05/17/18 01:38*	*1*
PCB-4L	*76*		*30 - 140*	*05/03/18 10:07*	*05/17/18 01:38*	*1*
PCB-15L	*78*		*30 - 140*	*05/03/18 10:07*	*05/17/18 01:38*	*1*
PCB-19L	*113*		*30 - 140*	*05/03/18 10:07*	*05/17/18 01:38*	*1*
PCB-37L	*87*		*30 - 140*	*05/03/18 10:07*	*05/17/18 01:38*	*1*
PCB-54L	*111*		*30 - 140*	*05/03/18 10:07*	*05/17/18 01:38*	*1*
PCB-77L	*56*		*30 - 140*	*05/03/18 10:07*	*05/17/18 01:38*	*1*
PCB-81L	*58*		*30 - 140*	*05/03/18 10:07*	*05/17/18 01:38*	*1*
PCB-104L	*96*		*30 - 140*	*05/03/18 10:07*	*05/17/18 01:38*	*1*
PCB-105L	*103*		*30 - 140*	*05/03/18 10:07*	*05/17/18 01:38*	*1*
PCB-114L	*108*		*30 - 140*	*05/03/18 10:07*	*05/17/18 01:38*	*1*
PCB-118L	*103*		*30 - 140*	*05/03/18 10:07*	*05/17/18 01:38*	*1*
PCB-123L	*107*		*30 - 140*	*05/03/18 10:07*	*05/17/18 01:38*	*1*
PCB-126L	*85*		*30 - 140*	*05/03/18 10:07*	*05/17/18 01:38*	*1*
PCB-155L	*90*		*30 - 140*	*05/03/18 10:07*	*05/17/18 01:38*	*1*
PCB-156L	*87*	*C*	*30 - 140*	*05/03/18 10:07*	*05/17/18 01:38*	*1*
PCB-157L	*87*	*C156*	*30 - 140*	*05/03/18 10:07*	*05/17/18 01:38*	*1*
PCB-167L	*87*		*30 - 140*	*05/03/18 10:07*	*05/17/18 01:38*	*1*
PCB-169L	*86*		*30 - 140*	*05/03/18 10:07*	*05/17/18 01:38*	*1*
PCB-170L	*85*		*30 - 140*	*05/03/18 10:07*	*05/17/18 01:38*	*1*
PCB-188L	*95*		*30 - 140*	*05/03/18 10:07*	*05/17/18 01:38*	*1*
PCB-189L	*102*		*30 - 140*	*05/03/18 10:07*	*05/17/18 01:38*	*1*
PCB-202L	*107*		*30 - 140*	*05/03/18 10:07*	*05/17/18 01:38*	*1*
PCB-205L	*72*		*30 - 140*	*05/03/18 10:07*	*05/17/18 01:38*	*1*
PCB-206L	*78*		*30 - 140*	*05/03/18 10:07*	*05/17/18 01:38*	*1*
PCB-208L	*70*		*30 - 140*	*05/03/18 10:07*	*05/17/18 01:38*	*1*
PCB-209L	*81*		*30 - 140*	*05/03/18 10:07*	*05/17/18 01:38*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
PCB-28L	*92*		*40 - 125*	*05/03/18 10:07*	*05/17/18 01:38*	*1*
PCB-111L	*82*		*40 - 125*	*05/03/18 10:07*	*05/17/18 01:38*	*1*
PCB-178L	*94*		*40 - 125*	*05/03/18 10:07*	*05/17/18 01:38*	*1*

Client Sample ID: PDI-SG-B302-BL1
Date Collected: 04/24/18 15:12
Date Received: 04/25/18 13:55

Lab Sample ID: 580-76830-24
Matrix: Solid
Percent Solids: 36.0

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1	0.077		0.013	0.00078	ng/g	☼	05/03/18 10:07	05/17/18 02:39	1
PCB-2	0.054		0.013	0.00090	ng/g	☼	05/03/18 10:07	05/17/18 02:39	1
PCB-3	0.061	B	0.013	0.0010	ng/g	☼	05/03/18 10:07	05/17/18 02:39	1
PCB-4	0.10		0.027	0.0062	ng/g	☼	05/03/18 10:07	05/17/18 02:39	1
PCB-5	ND		0.013	0.0053	ng/g	☼	05/03/18 10:07	05/17/18 02:39	1
PCB-6	0.083	q	0.013	0.0046	ng/g	☼	05/03/18 10:07	05/17/18 02:39	1
PCB-7	0.012	J q	0.013	0.0048	ng/g	☼	05/03/18 10:07	05/17/18 02:39	1
PCB-8	0.23		0.027	0.0043	ng/g	☼	05/03/18 10:07	05/17/18 02:39	1
PCB-9	0.018	q	0.013	0.0049	ng/g	☼	05/03/18 10:07	05/17/18 02:39	1
PCB-10	ND		0.013	0.0052	ng/g	☼	05/03/18 10:07	05/17/18 02:39	1
PCB-11	0.13	B	0.027	0.0045	ng/g	☼	05/03/18 10:07	05/17/18 02:39	1
PCB-12	0.035	q C	0.027	0.0047	ng/g	☼	05/03/18 10:07	05/17/18 02:39	1
PCB-13	0.035	q C12	0.027	0.0047	ng/g	☼	05/03/18 10:07	05/17/18 02:39	1
PCB-14	ND		0.013	0.0040	ng/g	☼	05/03/18 10:07	05/17/18 02:39	1
PCB-15	0.18		0.013	0.0051	ng/g	☼	05/03/18 10:07	05/17/18 02:39	1
PCB-16	0.12		0.013	0.0013	ng/g	☼	05/03/18 10:07	05/17/18 02:39	1
PCB-17	0.23		0.013	0.0011	ng/g	☼	05/03/18 10:07	05/17/18 02:39	1
PCB-18	0.37	C	0.027	0.00099	ng/g	☼	05/03/18 10:07	05/17/18 02:39	1
PCB-19	0.10		0.013	0.0014	ng/g	☼	05/03/18 10:07	05/17/18 02:39	1
PCB-20	0.94	C	0.027	0.0030	ng/g	☼	05/03/18 10:07	05/17/18 02:39	1
PCB-21	0.43	C B	0.027	0.0029	ng/g	☼	05/03/18 10:07	05/17/18 02:39	1
PCB-22	0.16	q	0.013	0.0030	ng/g	☼	05/03/18 10:07	05/17/18 02:39	1
PCB-23	ND		0.013	0.0030	ng/g	☼	05/03/18 10:07	05/17/18 02:39	1
PCB-24	0.0042	J q	0.013	0.00095	ng/g	☼	05/03/18 10:07	05/17/18 02:39	1
PCB-25	0.072		0.013	0.0027	ng/g	☼	05/03/18 10:07	05/17/18 02:39	1
PCB-26	0.11	C	0.027	0.0029	ng/g	☼	05/03/18 10:07	05/17/18 02:39	1
PCB-27	0.042		0.013	0.00082	ng/g	☼	05/03/18 10:07	05/17/18 02:39	1
PCB-28	0.94	C20	0.027	0.0030	ng/g	☼	05/03/18 10:07	05/17/18 02:39	1
PCB-29	0.11	C26	0.027	0.0029	ng/g	☼	05/03/18 10:07	05/17/18 02:39	1
PCB-30	0.37	C18	0.027	0.00099	ng/g	☼	05/03/18 10:07	05/17/18 02:39	1
PCB-31	0.60		0.027	0.0029	ng/g	☼	05/03/18 10:07	05/17/18 02:39	1
PCB-32	0.14		0.013	0.00078	ng/g	☼	05/03/18 10:07	05/17/18 02:39	1
PCB-33	0.43	C21 B	0.027	0.0029	ng/g	☼	05/03/18 10:07	05/17/18 02:39	1
PCB-34	0.014		0.013	0.0031	ng/g	☼	05/03/18 10:07	05/17/18 02:39	1
PCB-35	0.014		0.013	0.0030	ng/g	☼	05/03/18 10:07	05/17/18 02:39	1
PCB-36	ND		0.013	0.0029	ng/g	☼	05/03/18 10:07	05/17/18 02:39	1
PCB-37	0.27	B	0.013	0.0030	ng/g	☼	05/03/18 10:07	05/17/18 02:39	1
PCB-38	ND		0.013	0.0031	ng/g	☼	05/03/18 10:07	05/17/18 02:39	1
PCB-39	0.0092	J	0.013	0.0028	ng/g	☼	05/03/18 10:07	05/17/18 02:39	1
PCB-40	1.0	C	0.040	0.015	ng/g	☼	05/03/18 10:07	05/17/18 02:39	1
PCB-41	1.0	C40	0.040	0.015	ng/g	☼	05/03/18 10:07	05/17/18 02:39	1
PCB-42	0.52	G	0.016	0.016	ng/g	☼	05/03/18 10:07	05/17/18 02:39	1
PCB-43	0.088	C	0.027	0.015	ng/g	☼	05/03/18 10:07	05/17/18 02:39	1
PCB-44	3.4	C B	0.040	0.014	ng/g	☼	05/03/18 10:07	05/17/18 02:39	1
PCB-45	0.62	C	0.027	0.016	ng/g	☼	05/03/18 10:07	05/17/18 02:39	1
PCB-46	0.084	G	0.020	0.020	ng/g	☼	05/03/18 10:07	05/17/18 02:39	1
PCB-47	3.4	C44 B	0.040	0.014	ng/g	☼	05/03/18 10:07	05/17/18 02:39	1
PCB-48	0.24	G	0.015	0.015	ng/g	☼	05/03/18 10:07	05/17/18 02:39	1
PCB-49	2.3	C	0.027	0.013	ng/g	☼	05/03/18 10:07	05/17/18 02:39	1

Client Sample ID: PDI-SG-B302-BL1
Date Collected: 04/24/18 15:12
Date Received: 04/25/18 13:55

Lab Sample ID: 580-76830-24
Matrix: Solid
Percent Solids: 36.0

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-50	0.54	C	0.027	0.015	ng/g	☼	05/03/18 10:07	05/17/18 02:39	1
PCB-51	0.62	C45	0.027	0.016	ng/g	☼	05/03/18 10:07	05/17/18 02:39	1
PCB-52	5.9	G	0.015	0.015	ng/g	☼	05/03/18 10:07	05/17/18 02:39	1
PCB-53	0.54	C50	0.027	0.015	ng/g	☼	05/03/18 10:07	05/17/18 02:39	1
PCB-54	0.034		0.013	0.00039	ng/g	☼	05/03/18 10:07	05/17/18 02:39	1
PCB-55	ND		0.013	0.011	ng/g	☼	05/03/18 10:07	05/17/18 02:39	1
PCB-56	0.75		0.013	0.011	ng/g	☼	05/03/18 10:07	05/17/18 02:39	1
PCB-57	ND		0.013	0.011	ng/g	☼	05/03/18 10:07	05/17/18 02:39	1
PCB-58	0.025		0.013	0.012	ng/g	☼	05/03/18 10:07	05/17/18 02:39	1
PCB-59	0.19	C	0.040	0.011	ng/g	☼	05/03/18 10:07	05/17/18 02:39	1
PCB-60	0.19		0.013	0.012	ng/g	☼	05/03/18 10:07	05/17/18 02:39	1
PCB-61	4.9	C	0.053	0.011	ng/g	☼	05/03/18 10:07	05/17/18 02:39	1
PCB-62	0.19	C59	0.040	0.011	ng/g	☼	05/03/18 10:07	05/17/18 02:39	1
PCB-63	0.076		0.013	0.010	ng/g	☼	05/03/18 10:07	05/17/18 02:39	1
PCB-64	0.88		0.013	0.010	ng/g	☼	05/03/18 10:07	05/17/18 02:39	1
PCB-65	3.4	C44 B	0.040	0.014	ng/g	☼	05/03/18 10:07	05/17/18 02:39	1
PCB-66	2.5		0.013	0.011	ng/g	☼	05/03/18 10:07	05/17/18 02:39	1
PCB-67	ND		0.013	0.0099	ng/g	☼	05/03/18 10:07	05/17/18 02:39	1
PCB-68	0.046		0.013	0.010	ng/g	☼	05/03/18 10:07	05/17/18 02:39	1
PCB-69	2.3	C49	0.027	0.013	ng/g	☼	05/03/18 10:07	05/17/18 02:39	1
PCB-70	4.9	C61	0.053	0.011	ng/g	☼	05/03/18 10:07	05/17/18 02:39	1
PCB-71	1.0	C40	0.040	0.015	ng/g	☼	05/03/18 10:07	05/17/18 02:39	1
PCB-72	0.076		0.013	0.011	ng/g	☼	05/03/18 10:07	05/17/18 02:39	1
PCB-73	0.088	C43	0.027	0.015	ng/g	☼	05/03/18 10:07	05/17/18 02:39	1
PCB-74	4.9	C61	0.053	0.011	ng/g	☼	05/03/18 10:07	05/17/18 02:39	1
PCB-75	0.19	C59	0.040	0.011	ng/g	☼	05/03/18 10:07	05/17/18 02:39	1
PCB-76	4.9	C61	0.053	0.011	ng/g	☼	05/03/18 10:07	05/17/18 02:39	1
PCB-77	0.19		0.013	0.011	ng/g	☼	05/03/18 10:07	05/17/18 02:39	1
PCB-78	ND		0.013	0.012	ng/g	☼	05/03/18 10:07	05/17/18 02:39	1
PCB-79	0.067	q	0.013	0.010	ng/g	☼	05/03/18 10:07	05/17/18 02:39	1
PCB-80	ND		0.013	0.0099	ng/g	☼	05/03/18 10:07	05/17/18 02:39	1
PCB-81	ND		0.013	0.010	ng/g	☼	05/03/18 10:07	05/17/18 02:39	1
PCB-82	0.66		0.013	0.0016	ng/g	☼	05/03/18 10:07	05/17/18 02:39	1
PCB-83	4.9	C	0.027	0.0014	ng/g	☼	05/03/18 10:07	05/17/18 02:39	1
PCB-84	2.0		0.013	0.0016	ng/g	☼	05/03/18 10:07	05/17/18 02:39	1
PCB-85	1.0	C B	0.040	0.0012	ng/g	☼	05/03/18 10:07	05/17/18 02:39	1
PCB-86	4.4	C B	0.080	0.0012	ng/g	☼	05/03/18 10:07	05/17/18 02:39	1
PCB-87	4.4	C86 B	0.080	0.0012	ng/g	☼	05/03/18 10:07	05/17/18 02:39	1
PCB-88	1.4	C	0.027	0.0014	ng/g	☼	05/03/18 10:07	05/17/18 02:39	1
PCB-89	ND		0.013	0.0015	ng/g	☼	05/03/18 10:07	05/17/18 02:39	1
PCB-90	8.4	C B	0.040	0.0012	ng/g	☼	05/03/18 10:07	05/17/18 02:39	1
PCB-91	1.4	C88	0.027	0.0014	ng/g	☼	05/03/18 10:07	05/17/18 02:39	1
PCB-92	1.7		0.013	0.0013	ng/g	☼	05/03/18 10:07	05/17/18 02:39	1
PCB-93	0.24	q C	0.027	0.0014	ng/g	☼	05/03/18 10:07	05/17/18 02:39	1
PCB-94	ND		0.013	0.0015	ng/g	☼	05/03/18 10:07	05/17/18 02:39	1
PCB-95	7.2		0.013	0.0015	ng/g	☼	05/03/18 10:07	05/17/18 02:39	1
PCB-96	0.081		0.013	0.0012	ng/g	☼	05/03/18 10:07	05/17/18 02:39	1
PCB-97	4.4	C86 B	0.080	0.0012	ng/g	☼	05/03/18 10:07	05/17/18 02:39	1
PCB-98	0.25	C	0.027	0.0013	ng/g	☼	05/03/18 10:07	05/17/18 02:39	1

Client Sample ID: PDI-SG-B302-BL1
Date Collected: 04/24/18 15:12
Date Received: 04/25/18 13:55

Lab Sample ID: 580-76830-24
Matrix: Solid
Percent Solids: 36.0

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-99	4.9	C83	0.027	0.0014	ng/g	☼	05/03/18 10:07	05/17/18 02:39	1
PCB-100	0.24	q C93	0.027	0.0014	ng/g	☼	05/03/18 10:07	05/17/18 02:39	1
PCB-101	8.4	C90 B	0.040	0.0012	ng/g	☼	05/03/18 10:07	05/17/18 02:39	1
PCB-102	0.25	C98	0.027	0.0013	ng/g	☼	05/03/18 10:07	05/17/18 02:39	1
PCB-103	0.24		0.013	0.0014	ng/g	☼	05/03/18 10:07	05/17/18 02:39	1
PCB-104	ND		0.013	0.0010	ng/g	☼	05/03/18 10:07	05/17/18 02:39	1
PCB-105	2.4		0.013	0.0080	ng/g	☼	05/03/18 10:07	05/17/18 02:39	1
PCB-106	ND		0.013	0.0085	ng/g	☼	05/03/18 10:07	05/17/18 02:39	1
PCB-107	0.83		0.013	0.0091	ng/g	☼	05/03/18 10:07	05/17/18 02:39	1
PCB-108	0.29	C B	0.027	0.0088	ng/g	☼	05/03/18 10:07	05/17/18 02:39	1
PCB-109	4.4	C86 B	0.080	0.0012	ng/g	☼	05/03/18 10:07	05/17/18 02:39	1
PCB-110	8.1	C	0.027	0.00099	ng/g	☼	05/03/18 10:07	05/17/18 02:39	1
PCB-111	ND		0.013	0.00095	ng/g	☼	05/03/18 10:07	05/17/18 02:39	1
PCB-112	ND		0.013	0.0010	ng/g	☼	05/03/18 10:07	05/17/18 02:39	1
PCB-113	8.4	C90 B	0.040	0.0012	ng/g	☼	05/03/18 10:07	05/17/18 02:39	1
PCB-114	0.13		0.013	0.0076	ng/g	☼	05/03/18 10:07	05/17/18 02:39	1
PCB-115	8.1	C110	0.027	0.00099	ng/g	☼	05/03/18 10:07	05/17/18 02:39	1
PCB-116	1.0	C85 B	0.040	0.0012	ng/g	☼	05/03/18 10:07	05/17/18 02:39	1
PCB-117	1.0	C85 B	0.040	0.0012	ng/g	☼	05/03/18 10:07	05/17/18 02:39	1
PCB-118	7.1	B	0.013	0.0073	ng/g	☼	05/03/18 10:07	05/17/18 02:39	1
PCB-119	4.4	C86 B	0.080	0.0012	ng/g	☼	05/03/18 10:07	05/17/18 02:39	1
PCB-120	0.050		0.013	0.00097	ng/g	☼	05/03/18 10:07	05/17/18 02:39	1
PCB-121	ND		0.013	0.00099	ng/g	☼	05/03/18 10:07	05/17/18 02:39	1
PCB-122	0.11		0.013	0.0099	ng/g	☼	05/03/18 10:07	05/17/18 02:39	1
PCB-123	0.10	B	0.013	0.0086	ng/g	☼	05/03/18 10:07	05/17/18 02:39	1
PCB-124	0.29	C108 B	0.027	0.0088	ng/g	☼	05/03/18 10:07	05/17/18 02:39	1
PCB-125	4.4	C86 B	0.080	0.0012	ng/g	☼	05/03/18 10:07	05/17/18 02:39	1
PCB-126	ND		0.013	0.011	ng/g	☼	05/03/18 10:07	05/17/18 02:39	1
PCB-127	ND		0.013	0.0085	ng/g	☼	05/03/18 10:07	05/17/18 02:39	1
PCB-128	1.7	C	0.027	0.017	ng/g	☼	05/03/18 10:07	05/17/18 02:39	1
PCB-129	14	C B	0.053	0.017	ng/g	☼	05/03/18 10:07	05/17/18 02:39	1
PCB-130	0.94	G	0.023	0.023	ng/g	☼	05/03/18 10:07	05/17/18 02:39	1
PCB-131	0.18	G	0.024	0.024	ng/g	☼	05/03/18 10:07	05/17/18 02:39	1
PCB-132	4.6	G B	0.023	0.023	ng/g	☼	05/03/18 10:07	05/17/18 02:39	1
PCB-133	0.33	G	0.022	0.022	ng/g	☼	05/03/18 10:07	05/17/18 02:39	1
PCB-134	0.85	C	0.027	0.023	ng/g	☼	05/03/18 10:07	05/17/18 02:39	1
PCB-135	4.0	C	0.027	0.0028	ng/g	☼	05/03/18 10:07	05/17/18 02:39	1
PCB-136	1.7		0.013	0.0020	ng/g	☼	05/03/18 10:07	05/17/18 02:39	1
PCB-137	0.44	G	0.020	0.020	ng/g	☼	05/03/18 10:07	05/17/18 02:39	1
PCB-138	14	C129 B	0.053	0.017	ng/g	☼	05/03/18 10:07	05/17/18 02:39	1
PCB-139	0.28	C B	0.027	0.019	ng/g	☼	05/03/18 10:07	05/17/18 02:39	1
PCB-140	0.28	C139 B	0.027	0.019	ng/g	☼	05/03/18 10:07	05/17/18 02:39	1
PCB-141	2.4	G	0.020	0.020	ng/g	☼	05/03/18 10:07	05/17/18 02:39	1
PCB-142	ND	G	0.022	0.022	ng/g	☼	05/03/18 10:07	05/17/18 02:39	1
PCB-143	0.85	C134	0.027	0.023	ng/g	☼	05/03/18 10:07	05/17/18 02:39	1
PCB-144	0.40		0.013	0.0026	ng/g	☼	05/03/18 10:07	05/17/18 02:39	1
PCB-145	ND		0.013	0.0019	ng/g	☼	05/03/18 10:07	05/17/18 02:39	1
PCB-146	2.8	G	0.019	0.019	ng/g	☼	05/03/18 10:07	05/17/18 02:39	1
PCB-147	14	C	0.027	0.022	ng/g	☼	05/03/18 10:07	05/17/18 02:39	1

Client Sample ID: PDI-SG-B302-BL1
Date Collected: 04/24/18 15:12
Date Received: 04/25/18 13:55

Lab Sample ID: 580-76830-24
Matrix: Solid
Percent Solids: 36.0

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-148	0.051		0.013	0.0027	ng/g	☼	05/03/18 10:07	05/17/18 02:39	1
PCB-149	14	C147	0.027	0.022	ng/g	☼	05/03/18 10:07	05/17/18 02:39	1
PCB-150	0.051		0.013	0.0018	ng/g	☼	05/03/18 10:07	05/17/18 02:39	1
PCB-151	4.0	C135	0.027	0.0028	ng/g	☼	05/03/18 10:07	05/17/18 02:39	1
PCB-152	0.022		0.013	0.0020	ng/g	☼	05/03/18 10:07	05/17/18 02:39	1
PCB-153	12	C B	0.027	0.015	ng/g	☼	05/03/18 10:07	05/17/18 02:39	1
PCB-154	0.30		0.013	0.0022	ng/g	☼	05/03/18 10:07	05/17/18 02:39	1
PCB-155	ND		0.013	0.0019	ng/g	☼	05/03/18 10:07	05/17/18 02:39	1
PCB-156	1.2	C B	0.027	0.018	ng/g	☼	05/03/18 10:07	05/17/18 02:39	1
PCB-157	1.2	C156 B	0.027	0.018	ng/g	☼	05/03/18 10:07	05/17/18 02:39	1
PCB-158	1.1	G	0.014	0.014	ng/g	☼	05/03/18 10:07	05/17/18 02:39	1
PCB-159	ND	G	0.015	0.015	ng/g	☼	05/03/18 10:07	05/17/18 02:39	1
PCB-160	14	C129 B	0.053	0.017	ng/g	☼	05/03/18 10:07	05/17/18 02:39	1
PCB-161	ND	G	0.014	0.014	ng/g	☼	05/03/18 10:07	05/17/18 02:39	1
PCB-162	ND	G	0.014	0.014	ng/g	☼	05/03/18 10:07	05/17/18 02:39	1
PCB-163	14	C129 B	0.053	0.017	ng/g	☼	05/03/18 10:07	05/17/18 02:39	1
PCB-164	1.0	G	0.015	0.015	ng/g	☼	05/03/18 10:07	05/17/18 02:39	1
PCB-165	ND	G	0.016	0.016	ng/g	☼	05/03/18 10:07	05/17/18 02:39	1
PCB-166	1.7	C128	0.027	0.017	ng/g	☼	05/03/18 10:07	05/17/18 02:39	1
PCB-167	0.43		0.013	0.011	ng/g	☼	05/03/18 10:07	05/17/18 02:39	1
PCB-168	12	C153 B	0.027	0.015	ng/g	☼	05/03/18 10:07	05/17/18 02:39	1
PCB-169	ND		0.013	0.012	ng/g	☼	05/03/18 10:07	05/17/18 02:39	1
PCB-170	3.7		0.013	0.0081	ng/g	☼	05/03/18 10:07	05/17/18 02:39	1
PCB-171	1.1	C	0.027	0.0075	ng/g	☼	05/03/18 10:07	05/17/18 02:39	1
PCB-172	0.54	B	0.013	0.0075	ng/g	☼	05/03/18 10:07	05/17/18 02:39	1
PCB-173	1.1	C171	0.027	0.0075	ng/g	☼	05/03/18 10:07	05/17/18 02:39	1
PCB-174	3.4		0.013	0.0070	ng/g	☼	05/03/18 10:07	05/17/18 02:39	1
PCB-175	0.13		0.013	0.0068	ng/g	☼	05/03/18 10:07	05/17/18 02:39	1
PCB-176	0.44		0.013	0.0051	ng/g	☼	05/03/18 10:07	05/17/18 02:39	1
PCB-177	2.1		0.013	0.0072	ng/g	☼	05/03/18 10:07	05/17/18 02:39	1
PCB-178	0.78		0.013	0.0074	ng/g	☼	05/03/18 10:07	05/17/18 02:39	1
PCB-179	1.7		0.013	0.0054	ng/g	☼	05/03/18 10:07	05/17/18 02:39	1
PCB-180	7.3	C B	0.027	0.0057	ng/g	☼	05/03/18 10:07	05/17/18 02:39	1
PCB-181	ND		0.013	0.0068	ng/g	☼	05/03/18 10:07	05/17/18 02:39	1
PCB-182	ND		0.013	0.0065	ng/g	☼	05/03/18 10:07	05/17/18 02:39	1
PCB-183	2.3	C B	0.027	0.0067	ng/g	☼	05/03/18 10:07	05/17/18 02:39	1
PCB-184	ND		0.013	0.0056	ng/g	☼	05/03/18 10:07	05/17/18 02:39	1
PCB-185	2.3	C183 B	0.027	0.0067	ng/g	☼	05/03/18 10:07	05/17/18 02:39	1
PCB-186	ND		0.013	0.0054	ng/g	☼	05/03/18 10:07	05/17/18 02:39	1
PCB-187	4.2	B	0.013	0.0063	ng/g	☼	05/03/18 10:07	05/17/18 02:39	1
PCB-188	ND		0.013	0.0047	ng/g	☼	05/03/18 10:07	05/17/18 02:39	1
PCB-189	0.14	B	0.013	0.0072	ng/g	☼	05/03/18 10:07	05/17/18 02:39	1
PCB-190	0.61		0.013	0.0049	ng/g	☼	05/03/18 10:07	05/17/18 02:39	1
PCB-191	0.13	B	0.013	0.0051	ng/g	☼	05/03/18 10:07	05/17/18 02:39	1
PCB-192	ND		0.013	0.0057	ng/g	☼	05/03/18 10:07	05/17/18 02:39	1
PCB-193	7.3	C180 B	0.027	0.0057	ng/g	☼	05/03/18 10:07	05/17/18 02:39	1
PCB-194	1.9	G B	0.015	0.015	ng/g	☼	05/03/18 10:07	05/17/18 02:39	1
PCB-195	0.90	G	0.016	0.016	ng/g	☼	05/03/18 10:07	05/17/18 02:39	1
PCB-196	0.84	B	0.013	0.0072	ng/g	☼	05/03/18 10:07	05/17/18 02:39	1

Client Sample ID: PDI-SG-B302-BL1
Date Collected: 04/24/18 15:12
Date Received: 04/25/18 13:55

Lab Sample ID: 580-76830-24
Matrix: Solid
Percent Solids: 36.0

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-197	0.071		0.013	0.0055	ng/g	☼	05/03/18 10:07	05/17/18 02:39	1
PCB-198	1.7	C	0.027	0.0073	ng/g	☼	05/03/18 10:07	05/17/18 02:39	1
PCB-199	1.7	C198	0.027	0.0073	ng/g	☼	05/03/18 10:07	05/17/18 02:39	1
PCB-200	0.17	B	0.013	0.0049	ng/g	☼	05/03/18 10:07	05/17/18 02:39	1
PCB-201	0.20		0.013	0.0050	ng/g	☼	05/03/18 10:07	05/17/18 02:39	1
PCB-202	0.44	q	0.013	0.0056	ng/g	☼	05/03/18 10:07	05/17/18 02:39	1
PCB-203	0.99		0.013	0.0065	ng/g	☼	05/03/18 10:07	05/17/18 02:39	1
PCB-204	ND		0.013	0.0055	ng/g	☼	05/03/18 10:07	05/17/18 02:39	1
PCB-205	0.084	B	0.013	0.013	ng/g	☼	05/03/18 10:07	05/17/18 02:39	1
PCB-206	0.66		0.013	0.0059	ng/g	☼	05/03/18 10:07	05/17/18 02:39	1
PCB-207	0.075		0.013	0.0044	ng/g	☼	05/03/18 10:07	05/17/18 02:39	1
PCB-208	0.21		0.013	0.0047	ng/g	☼	05/03/18 10:07	05/17/18 02:39	1
PCB-209	0.38		0.013	0.0027	ng/g	☼	05/03/18 10:07	05/17/18 02:39	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
PCB-1L	*89*		*30 - 140*	*05/03/18 10:07*	*05/17/18 02:39*	*1*
PCB-3L	*89*		*30 - 140*	*05/03/18 10:07*	*05/17/18 02:39*	*1*
PCB-4L	*75*		*30 - 140*	*05/03/18 10:07*	*05/17/18 02:39*	*1*
PCB-15L	*73*		*30 - 140*	*05/03/18 10:07*	*05/17/18 02:39*	*1*
PCB-19L	*108*		*30 - 140*	*05/03/18 10:07*	*05/17/18 02:39*	*1*
PCB-37L	*82*		*30 - 140*	*05/03/18 10:07*	*05/17/18 02:39*	*1*
PCB-54L	*101*		*30 - 140*	*05/03/18 10:07*	*05/17/18 02:39*	*1*
PCB-77L	*63*		*30 - 140*	*05/03/18 10:07*	*05/17/18 02:39*	*1*
PCB-81L	*64*		*30 - 140*	*05/03/18 10:07*	*05/17/18 02:39*	*1*
PCB-104L	*88*		*30 - 140*	*05/03/18 10:07*	*05/17/18 02:39*	*1*
PCB-105L	*94*		*30 - 140*	*05/03/18 10:07*	*05/17/18 02:39*	*1*
PCB-114L	*98*		*30 - 140*	*05/03/18 10:07*	*05/17/18 02:39*	*1*
PCB-118L	*97*		*30 - 140*	*05/03/18 10:07*	*05/17/18 02:39*	*1*
PCB-123L	*98*		*30 - 140*	*05/03/18 10:07*	*05/17/18 02:39*	*1*
PCB-126L	*77*		*30 - 140*	*05/03/18 10:07*	*05/17/18 02:39*	*1*
PCB-155L	*84*		*30 - 140*	*05/03/18 10:07*	*05/17/18 02:39*	*1*
PCB-156L	*80*	*C*	*30 - 140*	*05/03/18 10:07*	*05/17/18 02:39*	*1*
PCB-157L	*80*	*C156*	*30 - 140*	*05/03/18 10:07*	*05/17/18 02:39*	*1*
PCB-167L	*81*		*30 - 140*	*05/03/18 10:07*	*05/17/18 02:39*	*1*
PCB-169L	*80*		*30 - 140*	*05/03/18 10:07*	*05/17/18 02:39*	*1*
PCB-170L	*83*		*30 - 140*	*05/03/18 10:07*	*05/17/18 02:39*	*1*
PCB-188L	*92*		*30 - 140*	*05/03/18 10:07*	*05/17/18 02:39*	*1*
PCB-189L	*112*		*30 - 140*	*05/03/18 10:07*	*05/17/18 02:39*	*1*
PCB-202L	*98*		*30 - 140*	*05/03/18 10:07*	*05/17/18 02:39*	*1*
PCB-205L	*68*		*30 - 140*	*05/03/18 10:07*	*05/17/18 02:39*	*1*
PCB-206L	*87*		*30 - 140*	*05/03/18 10:07*	*05/17/18 02:39*	*1*
PCB-208L	*81*		*30 - 140*	*05/03/18 10:07*	*05/17/18 02:39*	*1*
PCB-209L	*82*		*30 - 140*	*05/03/18 10:07*	*05/17/18 02:39*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
PCB-28L	*89*		*40 - 125*	*05/03/18 10:07*	*05/17/18 02:39*	*1*
PCB-111L	*79*		*40 - 125*	*05/03/18 10:07*	*05/17/18 02:39*	*1*
PCB-178L	*93*		*40 - 125*	*05/03/18 10:07*	*05/17/18 02:39*	*1*

Client Sample ID: PDI-SG-B303-BL1
Date Collected: 04/24/18 16:01
Date Received: 04/25/18 13:55

Lab Sample ID: 580-76830-25
Matrix: Solid
Percent Solids: 33.8

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1	0.063	B	0.015	0.00098	ng/g	☼	05/08/18 09:58	05/17/18 03:41	1
PCB-2	0.040	B	0.015	0.0011	ng/g	☼	05/08/18 09:58	05/17/18 03:41	1
PCB-3	0.058	B	0.015	0.0012	ng/g	☼	05/08/18 09:58	05/17/18 03:41	1
PCB-4	0.10	q	0.029	0.0076	ng/g	☼	05/08/18 09:58	05/17/18 03:41	1
PCB-5	ND		0.015	0.0064	ng/g	☼	05/08/18 09:58	05/17/18 03:41	1
PCB-6	0.081	q	0.015	0.0056	ng/g	☼	05/08/18 09:58	05/17/18 03:41	1
PCB-7	ND		0.015	0.0058	ng/g	☼	05/08/18 09:58	05/17/18 03:41	1
PCB-8	0.27		0.029	0.0052	ng/g	☼	05/08/18 09:58	05/17/18 03:41	1
PCB-9	ND		0.015	0.0059	ng/g	☼	05/08/18 09:58	05/17/18 03:41	1
PCB-10	ND		0.015	0.0063	ng/g	☼	05/08/18 09:58	05/17/18 03:41	1
PCB-11	0.14		0.029	0.0055	ng/g	☼	05/08/18 09:58	05/17/18 03:41	1
PCB-12	0.043	C	0.029	0.0057	ng/g	☼	05/08/18 09:58	05/17/18 03:41	1
PCB-13	0.043	C12	0.029	0.0057	ng/g	☼	05/08/18 09:58	05/17/18 03:41	1
PCB-14	ND		0.015	0.0048	ng/g	☼	05/08/18 09:58	05/17/18 03:41	1
PCB-15	0.20		0.015	0.0062	ng/g	☼	05/08/18 09:58	05/17/18 03:41	1
PCB-16	0.19		0.015	0.0016	ng/g	☼	05/08/18 09:58	05/17/18 03:41	1
PCB-17	0.33		0.015	0.0015	ng/g	☼	05/08/18 09:58	05/17/18 03:41	1
PCB-18	0.52	C	0.029	0.0013	ng/g	☼	05/08/18 09:58	05/17/18 03:41	1
PCB-19	0.10		0.015	0.0018	ng/g	☼	05/08/18 09:58	05/17/18 03:41	1
PCB-20	1.3	C	0.029	0.0040	ng/g	☼	05/08/18 09:58	05/17/18 03:41	1
PCB-21	0.56	C	0.029	0.0039	ng/g	☼	05/08/18 09:58	05/17/18 03:41	1
PCB-22	0.28		0.015	0.0041	ng/g	☼	05/08/18 09:58	05/17/18 03:41	1
PCB-23	ND		0.015	0.0040	ng/g	☼	05/08/18 09:58	05/17/18 03:41	1
PCB-24	ND		0.015	0.0012	ng/g	☼	05/08/18 09:58	05/17/18 03:41	1
PCB-25	0.10		0.015	0.0037	ng/g	☼	05/08/18 09:58	05/17/18 03:41	1
PCB-26	0.17	C	0.029	0.0039	ng/g	☼	05/08/18 09:58	05/17/18 03:41	1
PCB-27	0.056	q	0.015	0.0011	ng/g	☼	05/08/18 09:58	05/17/18 03:41	1
PCB-28	1.3	C20	0.029	0.0040	ng/g	☼	05/08/18 09:58	05/17/18 03:41	1
PCB-29	0.17	C26	0.029	0.0039	ng/g	☼	05/08/18 09:58	05/17/18 03:41	1
PCB-30	0.52	C18	0.029	0.0013	ng/g	☼	05/08/18 09:58	05/17/18 03:41	1
PCB-31	0.88		0.029	0.0039	ng/g	☼	05/08/18 09:58	05/17/18 03:41	1
PCB-32	0.20	B	0.015	0.0010	ng/g	☼	05/08/18 09:58	05/17/18 03:41	1
PCB-33	0.56	C21	0.029	0.0039	ng/g	☼	05/08/18 09:58	05/17/18 03:41	1
PCB-34	0.019		0.015	0.0042	ng/g	☼	05/08/18 09:58	05/17/18 03:41	1
PCB-35	0.017		0.015	0.0041	ng/g	☼	05/08/18 09:58	05/17/18 03:41	1
PCB-36	ND		0.015	0.0039	ng/g	☼	05/08/18 09:58	05/17/18 03:41	1
PCB-37	0.35		0.015	0.0041	ng/g	☼	05/08/18 09:58	05/17/18 03:41	1
PCB-38	ND		0.015	0.0042	ng/g	☼	05/08/18 09:58	05/17/18 03:41	1
PCB-39	0.011	J	0.015	0.0038	ng/g	☼	05/08/18 09:58	05/17/18 03:41	1
PCB-40	1.0	C	0.044	0.012	ng/g	☼	05/08/18 09:58	05/17/18 03:41	1
PCB-41	1.0	C40	0.044	0.012	ng/g	☼	05/08/18 09:58	05/17/18 03:41	1
PCB-42	0.59		0.015	0.012	ng/g	☼	05/08/18 09:58	05/17/18 03:41	1
PCB-43	0.057	C q	0.029	0.011	ng/g	☼	05/08/18 09:58	05/17/18 03:41	1
PCB-44	2.7	C B	0.044	0.011	ng/g	☼	05/08/18 09:58	05/17/18 03:41	1
PCB-45	0.53	C	0.029	0.013	ng/g	☼	05/08/18 09:58	05/17/18 03:41	1
PCB-46	0.12		0.015	0.015	ng/g	☼	05/08/18 09:58	05/17/18 03:41	1
PCB-47	2.7	B C44	0.044	0.011	ng/g	☼	05/08/18 09:58	05/17/18 03:41	1
PCB-48	0.33		0.015	0.012	ng/g	☼	05/08/18 09:58	05/17/18 03:41	1
PCB-49	2.1	C	0.029	0.0098	ng/g	☼	05/08/18 09:58	05/17/18 03:41	1

Client Sample ID: PDI-SG-B303-BL1
Date Collected: 04/24/18 16:01
Date Received: 04/25/18 13:55

Lab Sample ID: 580-76830-25
Matrix: Solid
Percent Solids: 33.8

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-50	0.43	C	0.029	0.012	ng/g	☼	05/08/18 09:58	05/17/18 03:41	1
PCB-51	0.53	C45	0.029	0.013	ng/g	☼	05/08/18 09:58	05/17/18 03:41	1
PCB-52	3.5		0.015	0.012	ng/g	☼	05/08/18 09:58	05/17/18 03:41	1
PCB-53	0.43	C50	0.029	0.012	ng/g	☼	05/08/18 09:58	05/17/18 03:41	1
PCB-54	0.031		0.015	0.00045	ng/g	☼	05/08/18 09:58	05/17/18 03:41	1
PCB-55	ND		0.015	0.0088	ng/g	☼	05/08/18 09:58	05/17/18 03:41	1
PCB-56	0.85		0.015	0.0088	ng/g	☼	05/08/18 09:58	05/17/18 03:41	1
PCB-57	ND		0.015	0.0089	ng/g	☼	05/08/18 09:58	05/17/18 03:41	1
PCB-58	0.025	q	0.015	0.0090	ng/g	☼	05/08/18 09:58	05/17/18 03:41	1
PCB-59	0.20	C	0.044	0.0085	ng/g	☼	05/08/18 09:58	05/17/18 03:41	1
PCB-60	0.17		0.015	0.0090	ng/g	☼	05/08/18 09:58	05/17/18 03:41	1
PCB-61	4.0	C	0.059	0.0084	ng/g	☼	05/08/18 09:58	05/17/18 03:41	1
PCB-62	0.20	C59	0.044	0.0085	ng/g	☼	05/08/18 09:58	05/17/18 03:41	1
PCB-63	0.067	q	0.015	0.0082	ng/g	☼	05/08/18 09:58	05/17/18 03:41	1
PCB-64	0.83		0.015	0.0081	ng/g	☼	05/08/18 09:58	05/17/18 03:41	1
PCB-65	2.7	B C44	0.044	0.011	ng/g	☼	05/08/18 09:58	05/17/18 03:41	1
PCB-66	2.6	B	0.015	0.0084	ng/g	☼	05/08/18 09:58	05/17/18 03:41	1
PCB-67	0.033	q	0.015	0.0077	ng/g	☼	05/08/18 09:58	05/17/18 03:41	1
PCB-68	0.062		0.015	0.0079	ng/g	☼	05/08/18 09:58	05/17/18 03:41	1
PCB-69	2.1	C49	0.029	0.0098	ng/g	☼	05/08/18 09:58	05/17/18 03:41	1
PCB-70	4.0	C61	0.059	0.0084	ng/g	☼	05/08/18 09:58	05/17/18 03:41	1
PCB-71	1.0	C40	0.044	0.012	ng/g	☼	05/08/18 09:58	05/17/18 03:41	1
PCB-72	0.10		0.015	0.0087	ng/g	☼	05/08/18 09:58	05/17/18 03:41	1
PCB-73	0.057	C43 q	0.029	0.011	ng/g	☼	05/08/18 09:58	05/17/18 03:41	1
PCB-74	4.0	C61	0.059	0.0084	ng/g	☼	05/08/18 09:58	05/17/18 03:41	1
PCB-75	0.20	C59	0.044	0.0085	ng/g	☼	05/08/18 09:58	05/17/18 03:41	1
PCB-76	4.0	C61	0.059	0.0084	ng/g	☼	05/08/18 09:58	05/17/18 03:41	1
PCB-77	0.18		0.015	0.0086	ng/g	☼	05/08/18 09:58	05/17/18 03:41	1
PCB-78	ND		0.015	0.0090	ng/g	☼	05/08/18 09:58	05/17/18 03:41	1
PCB-79	0.040		0.015	0.0078	ng/g	☼	05/08/18 09:58	05/17/18 03:41	1
PCB-80	ND		0.015	0.0077	ng/g	☼	05/08/18 09:58	05/17/18 03:41	1
PCB-81	ND		0.015	0.0081	ng/g	☼	05/08/18 09:58	05/17/18 03:41	1
PCB-82	0.41		0.015	0.0019	ng/g	☼	05/08/18 09:58	05/17/18 03:41	1
PCB-83	3.5	C	0.029	0.0017	ng/g	☼	05/08/18 09:58	05/17/18 03:41	1
PCB-84	1.2		0.015	0.0019	ng/g	☼	05/08/18 09:58	05/17/18 03:41	1
PCB-85	0.62	C	0.044	0.0014	ng/g	☼	05/08/18 09:58	05/17/18 03:41	1
PCB-86	2.6	C	0.088	0.0014	ng/g	☼	05/08/18 09:58	05/17/18 03:41	1
PCB-87	2.6	C86	0.088	0.0014	ng/g	☼	05/08/18 09:58	05/17/18 03:41	1
PCB-88	1.0	C	0.029	0.0017	ng/g	☼	05/08/18 09:58	05/17/18 03:41	1
PCB-89	ND		0.015	0.0018	ng/g	☼	05/08/18 09:58	05/17/18 03:41	1
PCB-90	5.5	C	0.044	0.0014	ng/g	☼	05/08/18 09:58	05/17/18 03:41	1
PCB-91	1.0	C88	0.029	0.0017	ng/g	☼	05/08/18 09:58	05/17/18 03:41	1
PCB-92	1.2		0.015	0.0016	ng/g	☼	05/08/18 09:58	05/17/18 03:41	1
PCB-93	0.18	C	0.029	0.0016	ng/g	☼	05/08/18 09:58	05/17/18 03:41	1
PCB-94	0.043	q	0.015	0.0018	ng/g	☼	05/08/18 09:58	05/17/18 03:41	1
PCB-95	4.5		0.015	0.0018	ng/g	☼	05/08/18 09:58	05/17/18 03:41	1
PCB-96	0.056		0.015	0.0014	ng/g	☼	05/08/18 09:58	05/17/18 03:41	1
PCB-97	2.6	C86	0.088	0.0014	ng/g	☼	05/08/18 09:58	05/17/18 03:41	1
PCB-98	0.17	C q	0.029	0.0016	ng/g	☼	05/08/18 09:58	05/17/18 03:41	1

Client Sample ID: PDI-SG-B303-BL1
Date Collected: 04/24/18 16:01
Date Received: 04/25/18 13:55

Lab Sample ID: 580-76830-25
Matrix: Solid
Percent Solids: 33.8

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-99	3.5	C83	0.029	0.0017	ng/g	☼	05/08/18 09:58	05/17/18 03:41	1
PCB-100	0.18	C93	0.029	0.0016	ng/g	☼	05/08/18 09:58	05/17/18 03:41	1
PCB-101	5.5	C90	0.044	0.0014	ng/g	☼	05/08/18 09:58	05/17/18 03:41	1
PCB-102	0.17	C98 q	0.029	0.0016	ng/g	☼	05/08/18 09:58	05/17/18 03:41	1
PCB-103	0.20		0.015	0.0016	ng/g	☼	05/08/18 09:58	05/17/18 03:41	1
PCB-104	ND		0.015	0.0012	ng/g	☼	05/08/18 09:58	05/17/18 03:41	1
PCB-105	1.1		0.015	0.0059	ng/g	☼	05/08/18 09:58	05/17/18 03:41	1
PCB-106	ND		0.015	0.0064	ng/g	☼	05/08/18 09:58	05/17/18 03:41	1
PCB-107	0.51		0.015	0.0068	ng/g	☼	05/08/18 09:58	05/17/18 03:41	1
PCB-108	0.15	C	0.029	0.0066	ng/g	☼	05/08/18 09:58	05/17/18 03:41	1
PCB-109	2.6	C86	0.088	0.0014	ng/g	☼	05/08/18 09:58	05/17/18 03:41	1
PCB-110	5.3	C	0.029	0.0012	ng/g	☼	05/08/18 09:58	05/17/18 03:41	1
PCB-111	ND		0.015	0.0011	ng/g	☼	05/08/18 09:58	05/17/18 03:41	1
PCB-112	ND		0.015	0.0012	ng/g	☼	05/08/18 09:58	05/17/18 03:41	1
PCB-113	5.5	C90	0.044	0.0014	ng/g	☼	05/08/18 09:58	05/17/18 03:41	1
PCB-114	0.070		0.015	0.0059	ng/g	☼	05/08/18 09:58	05/17/18 03:41	1
PCB-115	5.3	C110	0.029	0.0012	ng/g	☼	05/08/18 09:58	05/17/18 03:41	1
PCB-116	0.62	C85	0.044	0.0014	ng/g	☼	05/08/18 09:58	05/17/18 03:41	1
PCB-117	0.62	C85	0.044	0.0014	ng/g	☼	05/08/18 09:58	05/17/18 03:41	1
PCB-118	4.3		0.015	0.0058	ng/g	☼	05/08/18 09:58	05/17/18 03:41	1
PCB-119	2.6	C86	0.088	0.0014	ng/g	☼	05/08/18 09:58	05/17/18 03:41	1
PCB-120	0.049		0.015	0.0012	ng/g	☼	05/08/18 09:58	05/17/18 03:41	1
PCB-121	ND		0.015	0.0012	ng/g	☼	05/08/18 09:58	05/17/18 03:41	1
PCB-122	0.058		0.015	0.0074	ng/g	☼	05/08/18 09:58	05/17/18 03:41	1
PCB-123	0.058	q	0.015	0.0066	ng/g	☼	05/08/18 09:58	05/17/18 03:41	1
PCB-124	0.15	C108	0.029	0.0066	ng/g	☼	05/08/18 09:58	05/17/18 03:41	1
PCB-125	2.6	C86	0.088	0.0014	ng/g	☼	05/08/18 09:58	05/17/18 03:41	1
PCB-126	0.021		0.015	0.0072	ng/g	☼	05/08/18 09:58	05/17/18 03:41	1
PCB-127	ND		0.015	0.0064	ng/g	☼	05/08/18 09:58	05/17/18 03:41	1
PCB-128	1.1	C	0.029	0.017	ng/g	☼	05/08/18 09:58	05/17/18 03:41	1
PCB-129	9.2	C B	0.059	0.018	ng/g	☼	05/08/18 09:58	05/17/18 03:41	1
PCB-130	0.63	G	0.023	0.023	ng/g	☼	05/08/18 09:58	05/17/18 03:41	1
PCB-131	ND	G	0.024	0.024	ng/g	☼	05/08/18 09:58	05/17/18 03:41	1
PCB-132	3.1	G	0.023	0.023	ng/g	☼	05/08/18 09:58	05/17/18 03:41	1
PCB-133	0.27	G	0.022	0.022	ng/g	☼	05/08/18 09:58	05/17/18 03:41	1
PCB-134	0.54	C	0.029	0.023	ng/g	☼	05/08/18 09:58	05/17/18 03:41	1
PCB-135	3.0	C	0.029	0.0037	ng/g	☼	05/08/18 09:58	05/17/18 03:41	1
PCB-136	1.1		0.015	0.0027	ng/g	☼	05/08/18 09:58	05/17/18 03:41	1
PCB-137	0.26	G	0.020	0.020	ng/g	☼	05/08/18 09:58	05/17/18 03:41	1
PCB-138	9.2	B C129	0.059	0.018	ng/g	☼	05/08/18 09:58	05/17/18 03:41	1
PCB-139	0.19	C	0.029	0.020	ng/g	☼	05/08/18 09:58	05/17/18 03:41	1
PCB-140	0.19	C139	0.029	0.020	ng/g	☼	05/08/18 09:58	05/17/18 03:41	1
PCB-141	1.5	G	0.021	0.021	ng/g	☼	05/08/18 09:58	05/17/18 03:41	1
PCB-142	ND	G	0.022	0.022	ng/g	☼	05/08/18 09:58	05/17/18 03:41	1
PCB-143	0.54	C134	0.029	0.023	ng/g	☼	05/08/18 09:58	05/17/18 03:41	1
PCB-144	0.28		0.015	0.0033	ng/g	☼	05/08/18 09:58	05/17/18 03:41	1
PCB-145	ND		0.015	0.0025	ng/g	☼	05/08/18 09:58	05/17/18 03:41	1
PCB-146	2.4	G	0.019	0.019	ng/g	☼	05/08/18 09:58	05/17/18 03:41	1
PCB-147	11	C	0.029	0.022	ng/g	☼	05/08/18 09:58	05/17/18 03:41	1

Client Sample ID: PDI-SG-B303-BL1
Date Collected: 04/24/18 16:01
Date Received: 04/25/18 13:55

Lab Sample ID: 580-76830-25
Matrix: Solid
Percent Solids: 33.8

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-148	0.046		0.015	0.0036	ng/g	☼	05/08/18 09:58	05/17/18 03:41	1
PCB-149	11	C147	0.029	0.022	ng/g	☼	05/08/18 09:58	05/17/18 03:41	1
PCB-150	0.043		0.015	0.0024	ng/g	☼	05/08/18 09:58	05/17/18 03:41	1
PCB-151	3.0	C135	0.029	0.0037	ng/g	☼	05/08/18 09:58	05/17/18 03:41	1
PCB-152	0.011	J q	0.015	0.0026	ng/g	☼	05/08/18 09:58	05/17/18 03:41	1
PCB-153	9.1	C	0.029	0.015	ng/g	☼	05/08/18 09:58	05/17/18 03:41	1
PCB-154	0.25		0.015	0.0029	ng/g	☼	05/08/18 09:58	05/17/18 03:41	1
PCB-155	ND		0.015	0.0024	ng/g	☼	05/08/18 09:58	05/17/18 03:41	1
PCB-156	0.69	C B	0.029	0.018	ng/g	☼	05/08/18 09:58	05/17/18 03:41	1
PCB-157	0.69	C156 B	0.029	0.018	ng/g	☼	05/08/18 09:58	05/17/18 03:41	1
PCB-158	0.62		0.015	0.014	ng/g	☼	05/08/18 09:58	05/17/18 03:41	1
PCB-159	ND		0.015	0.015	ng/g	☼	05/08/18 09:58	05/17/18 03:41	1
PCB-160	9.2	B C129	0.059	0.018	ng/g	☼	05/08/18 09:58	05/17/18 03:41	1
PCB-161	ND		0.015	0.015	ng/g	☼	05/08/18 09:58	05/17/18 03:41	1
PCB-162	ND		0.015	0.014	ng/g	☼	05/08/18 09:58	05/17/18 03:41	1
PCB-163	9.2	B C129	0.059	0.018	ng/g	☼	05/08/18 09:58	05/17/18 03:41	1
PCB-164	0.71	G	0.016	0.016	ng/g	☼	05/08/18 09:58	05/17/18 03:41	1
PCB-165	ND	G	0.017	0.017	ng/g	☼	05/08/18 09:58	05/17/18 03:41	1
PCB-166	1.1	C128	0.029	0.017	ng/g	☼	05/08/18 09:58	05/17/18 03:41	1
PCB-167	0.26		0.015	0.011	ng/g	☼	05/08/18 09:58	05/17/18 03:41	1
PCB-168	9.1	C153	0.029	0.015	ng/g	☼	05/08/18 09:58	05/17/18 03:41	1
PCB-169	ND		0.015	0.013	ng/g	☼	05/08/18 09:58	05/17/18 03:41	1
PCB-170	2.7		0.015	0.0063	ng/g	☼	05/08/18 09:58	05/17/18 03:41	1
PCB-171	0.78	C	0.029	0.0053	ng/g	☼	05/08/18 09:58	05/17/18 03:41	1
PCB-172	0.44		0.015	0.0053	ng/g	☼	05/08/18 09:58	05/17/18 03:41	1
PCB-173	0.78	C171	0.029	0.0053	ng/g	☼	05/08/18 09:58	05/17/18 03:41	1
PCB-174	2.8		0.015	0.0049	ng/g	☼	05/08/18 09:58	05/17/18 03:41	1
PCB-175	0.10		0.015	0.0048	ng/g	☼	05/08/18 09:58	05/17/18 03:41	1
PCB-176	0.37		0.015	0.0036	ng/g	☼	05/08/18 09:58	05/17/18 03:41	1
PCB-177	1.7		0.015	0.0051	ng/g	☼	05/08/18 09:58	05/17/18 03:41	1
PCB-178	0.64		0.015	0.0052	ng/g	☼	05/08/18 09:58	05/17/18 03:41	1
PCB-179	1.4		0.015	0.0038	ng/g	☼	05/08/18 09:58	05/17/18 03:41	1
PCB-180	5.5	C	0.029	0.0040	ng/g	☼	05/08/18 09:58	05/17/18 03:41	1
PCB-181	ND		0.015	0.0048	ng/g	☼	05/08/18 09:58	05/17/18 03:41	1
PCB-182	ND		0.015	0.0046	ng/g	☼	05/08/18 09:58	05/17/18 03:41	1
PCB-183	1.9	C	0.029	0.0047	ng/g	☼	05/08/18 09:58	05/17/18 03:41	1
PCB-184	ND		0.015	0.0039	ng/g	☼	05/08/18 09:58	05/17/18 03:41	1
PCB-185	1.9	C183	0.029	0.0047	ng/g	☼	05/08/18 09:58	05/17/18 03:41	1
PCB-186	ND		0.015	0.0038	ng/g	☼	05/08/18 09:58	05/17/18 03:41	1
PCB-187	3.6		0.015	0.0044	ng/g	☼	05/08/18 09:58	05/17/18 03:41	1
PCB-188	ND		0.015	0.0031	ng/g	☼	05/08/18 09:58	05/17/18 03:41	1
PCB-189	0.098		0.015	0.0072	ng/g	☼	05/08/18 09:58	05/17/18 03:41	1
PCB-190	0.43	B	0.015	0.0034	ng/g	☼	05/08/18 09:58	05/17/18 03:41	1
PCB-191	0.091		0.015	0.0036	ng/g	☼	05/08/18 09:58	05/17/18 03:41	1
PCB-192	ND		0.015	0.0040	ng/g	☼	05/08/18 09:58	05/17/18 03:41	1
PCB-193	5.5	C180	0.029	0.0040	ng/g	☼	05/08/18 09:58	05/17/18 03:41	1
PCB-194	1.4		0.015	0.012	ng/g	☼	05/08/18 09:58	05/17/18 03:41	1
PCB-195	0.67		0.015	0.013	ng/g	☼	05/08/18 09:58	05/17/18 03:41	1
PCB-196	0.65		0.015	0.0062	ng/g	☼	05/08/18 09:58	05/17/18 03:41	1

Client Sample ID: PDI-SG-B303-BL1
Date Collected: 04/24/18 16:01
Date Received: 04/25/18 13:55

Lab Sample ID: 580-76830-25
Matrix: Solid
Percent Solids: 33.8

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-197	0.049	q	0.015	0.0048	ng/g	☼	05/08/18 09:58	05/17/18 03:41	1
PCB-198	1.4	C	0.029	0.0063	ng/g	☼	05/08/18 09:58	05/17/18 03:41	1
PCB-199	1.4	C198	0.029	0.0063	ng/g	☼	05/08/18 09:58	05/17/18 03:41	1
PCB-200	0.13		0.015	0.0042	ng/g	☼	05/08/18 09:58	05/17/18 03:41	1
PCB-201	0.16		0.015	0.0043	ng/g	☼	05/08/18 09:58	05/17/18 03:41	1
PCB-202	0.29		0.015	0.0049	ng/g	☼	05/08/18 09:58	05/17/18 03:41	1
PCB-203	0.87		0.015	0.0056	ng/g	☼	05/08/18 09:58	05/17/18 03:41	1
PCB-204	ND		0.015	0.0048	ng/g	☼	05/08/18 09:58	05/17/18 03:41	1
PCB-205	0.082		0.015	0.010	ng/g	☼	05/08/18 09:58	05/17/18 03:41	1
PCB-206	0.58		0.015	0.014	ng/g	☼	05/08/18 09:58	05/17/18 03:41	1
PCB-207	0.056		0.015	0.0086	ng/g	☼	05/08/18 09:58	05/17/18 03:41	1
PCB-208	0.17		0.015	0.0083	ng/g	☼	05/08/18 09:58	05/17/18 03:41	1
PCB-209	0.46		0.015	0.0035	ng/g	☼	05/08/18 09:58	05/17/18 03:41	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
PCB-1L	*94*		*30 - 140*	*05/08/18 09:58*	*05/17/18 03:41*	*1*
PCB-3L	*95*		*30 - 140*	*05/08/18 09:58*	*05/17/18 03:41*	*1*
PCB-4L	*81*		*30 - 140*	*05/08/18 09:58*	*05/17/18 03:41*	*1*
PCB-15L	*80*		*30 - 140*	*05/08/18 09:58*	*05/17/18 03:41*	*1*
PCB-19L	*106*		*30 - 140*	*05/08/18 09:58*	*05/17/18 03:41*	*1*
PCB-37L	*89*		*30 - 140*	*05/08/18 09:58*	*05/17/18 03:41*	*1*
PCB-54L	*105*		*30 - 140*	*05/08/18 09:58*	*05/17/18 03:41*	*1*
PCB-77L	*74*		*30 - 140*	*05/08/18 09:58*	*05/17/18 03:41*	*1*
PCB-81L	*75*		*30 - 140*	*05/08/18 09:58*	*05/17/18 03:41*	*1*
PCB-104L	*88*		*30 - 140*	*05/08/18 09:58*	*05/17/18 03:41*	*1*
PCB-105L	*100*		*30 - 140*	*05/08/18 09:58*	*05/17/18 03:41*	*1*
PCB-114L	*98*		*30 - 140*	*05/08/18 09:58*	*05/17/18 03:41*	*1*
PCB-118L	*97*		*30 - 140*	*05/08/18 09:58*	*05/17/18 03:41*	*1*
PCB-123L	*97*		*30 - 140*	*05/08/18 09:58*	*05/17/18 03:41*	*1*
PCB-126L	*84*		*30 - 140*	*05/08/18 09:58*	*05/17/18 03:41*	*1*
PCB-155L	*86*		*30 - 140*	*05/08/18 09:58*	*05/17/18 03:41*	*1*
PCB-156L	*83*	*C*	*30 - 140*	*05/08/18 09:58*	*05/17/18 03:41*	*1*
PCB-157L	*83*	*C156*	*30 - 140*	*05/08/18 09:58*	*05/17/18 03:41*	*1*
PCB-167L	*85*		*30 - 140*	*05/08/18 09:58*	*05/17/18 03:41*	*1*
PCB-169L	*81*		*30 - 140*	*05/08/18 09:58*	*05/17/18 03:41*	*1*
PCB-170L	*85*		*30 - 140*	*05/08/18 09:58*	*05/17/18 03:41*	*1*
PCB-188L	*101*		*30 - 140*	*05/08/18 09:58*	*05/17/18 03:41*	*1*
PCB-189L	*121*		*30 - 140*	*05/08/18 09:58*	*05/17/18 03:41*	*1*
PCB-202L	*105*		*30 - 140*	*05/08/18 09:58*	*05/17/18 03:41*	*1*
PCB-205L	*79*		*30 - 140*	*05/08/18 09:58*	*05/17/18 03:41*	*1*
PCB-206L	*82*		*30 - 140*	*05/08/18 09:58*	*05/17/18 03:41*	*1*
PCB-208L	*90*		*30 - 140*	*05/08/18 09:58*	*05/17/18 03:41*	*1*
PCB-209L	*84*		*30 - 140*	*05/08/18 09:58*	*05/17/18 03:41*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
PCB-28L	*94*		*40 - 125*	*05/08/18 09:58*	*05/17/18 03:41*	*1*
PCB-111L	*83*		*40 - 125*	*05/08/18 09:58*	*05/17/18 03:41*	*1*
PCB-178L	*95*		*40 - 125*	*05/08/18 09:58*	*05/17/18 03:41*	*1*

Client Sample ID: PDI-SG-B237-BL1
Date Collected: 04/20/18 17:04
Date Received: 04/25/18 13:55

Lab Sample ID: 580-76830-26
Matrix: Solid
Percent Solids: 48.0

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1	ND		0.010	0.00040	ng/g	☼	05/08/18 09:58	05/16/18 20:39	1
PCB-2	0.0046	J B	0.010	0.00046	ng/g	☼	05/08/18 09:58	05/16/18 20:39	1
PCB-3	0.0045	J B q	0.010	0.00051	ng/g	☼	05/08/18 09:58	05/16/18 20:39	1
PCB-4	0.012	J q	0.020	0.0031	ng/g	☼	05/08/18 09:58	05/16/18 20:39	1
PCB-5	ND		0.010	0.0024	ng/g	☼	05/08/18 09:58	05/16/18 20:39	1
PCB-6	0.0085	J q	0.010	0.0021	ng/g	☼	05/08/18 09:58	05/16/18 20:39	1
PCB-7	0.0022	J q	0.010	0.0022	ng/g	☼	05/08/18 09:58	05/16/18 20:39	1
PCB-8	0.032		0.020	0.0020	ng/g	☼	05/08/18 09:58	05/16/18 20:39	1
PCB-9	ND		0.010	0.0022	ng/g	☼	05/08/18 09:58	05/16/18 20:39	1
PCB-10	ND		0.010	0.0024	ng/g	☼	05/08/18 09:58	05/16/18 20:39	1
PCB-11	0.047		0.020	0.0021	ng/g	☼	05/08/18 09:58	05/16/18 20:39	1
PCB-12	0.0063	J C q	0.020	0.0021	ng/g	☼	05/08/18 09:58	05/16/18 20:39	1
PCB-13	0.0063	J C12 q	0.020	0.0021	ng/g	☼	05/08/18 09:58	05/16/18 20:39	1
PCB-14	ND		0.010	0.0018	ng/g	☼	05/08/18 09:58	05/16/18 20:39	1
PCB-15	0.029		0.010	0.0022	ng/g	☼	05/08/18 09:58	05/16/18 20:39	1
PCB-16	0.028		0.010	0.00077	ng/g	☼	05/08/18 09:58	05/16/18 20:39	1
PCB-17	0.044		0.010	0.00069	ng/g	☼	05/08/18 09:58	05/16/18 20:39	1
PCB-18	0.085	C	0.020	0.00061	ng/g	☼	05/08/18 09:58	05/16/18 20:39	1
PCB-19	0.015		0.010	0.00085	ng/g	☼	05/08/18 09:58	05/16/18 20:39	1
PCB-20	0.16	C	0.020	0.00093	ng/g	☼	05/08/18 09:58	05/16/18 20:39	1
PCB-21	0.066	C	0.020	0.00091	ng/g	☼	05/08/18 09:58	05/16/18 20:39	1
PCB-22	0.044		0.010	0.00095	ng/g	☼	05/08/18 09:58	05/16/18 20:39	1
PCB-23	ND		0.010	0.00094	ng/g	☼	05/08/18 09:58	05/16/18 20:39	1
PCB-24	ND		0.010	0.00058	ng/g	☼	05/08/18 09:58	05/16/18 20:39	1
PCB-25	0.011	q	0.010	0.00086	ng/g	☼	05/08/18 09:58	05/16/18 20:39	1
PCB-26	0.024	C	0.020	0.00091	ng/g	☼	05/08/18 09:58	05/16/18 20:39	1
PCB-27	0.0073	J	0.010	0.00051	ng/g	☼	05/08/18 09:58	05/16/18 20:39	1
PCB-28	0.16	C20	0.020	0.00093	ng/g	☼	05/08/18 09:58	05/16/18 20:39	1
PCB-29	0.024	C26	0.020	0.00091	ng/g	☼	05/08/18 09:58	05/16/18 20:39	1
PCB-30	0.085	C18	0.020	0.00061	ng/g	☼	05/08/18 09:58	05/16/18 20:39	1
PCB-31	0.13		0.020	0.00090	ng/g	☼	05/08/18 09:58	05/16/18 20:39	1
PCB-32	0.025	B	0.010	0.00048	ng/g	☼	05/08/18 09:58	05/16/18 20:39	1
PCB-33	0.066	C21	0.020	0.00091	ng/g	☼	05/08/18 09:58	05/16/18 20:39	1
PCB-34	ND		0.010	0.00098	ng/g	☼	05/08/18 09:58	05/16/18 20:39	1
PCB-35	0.0025	J	0.010	0.00095	ng/g	☼	05/08/18 09:58	05/16/18 20:39	1
PCB-36	ND		0.010	0.00091	ng/g	☼	05/08/18 09:58	05/16/18 20:39	1
PCB-37	0.044		0.010	0.00094	ng/g	☼	05/08/18 09:58	05/16/18 20:39	1
PCB-38	ND		0.010	0.00098	ng/g	☼	05/08/18 09:58	05/16/18 20:39	1
PCB-39	ND		0.010	0.00088	ng/g	☼	05/08/18 09:58	05/16/18 20:39	1
PCB-40	0.11	C	0.031	0.0018	ng/g	☼	05/08/18 09:58	05/16/18 20:39	1
PCB-41	0.11	C40	0.031	0.0018	ng/g	☼	05/08/18 09:58	05/16/18 20:39	1
PCB-42	0.056		0.010	0.0018	ng/g	☼	05/08/18 09:58	05/16/18 20:39	1
PCB-43	0.0045	J C q	0.020	0.0017	ng/g	☼	05/08/18 09:58	05/16/18 20:39	1
PCB-44	0.23	C B	0.031	0.0016	ng/g	☼	05/08/18 09:58	05/16/18 20:39	1
PCB-45	0.040	C	0.020	0.0019	ng/g	☼	05/08/18 09:58	05/16/18 20:39	1
PCB-46	0.0081	J q	0.010	0.0023	ng/g	☼	05/08/18 09:58	05/16/18 20:39	1
PCB-47	0.23	B C44	0.031	0.0016	ng/g	☼	05/08/18 09:58	05/16/18 20:39	1
PCB-48	0.037		0.010	0.0018	ng/g	☼	05/08/18 09:58	05/16/18 20:39	1
PCB-49	0.15	C	0.020	0.0015	ng/g	☼	05/08/18 09:58	05/16/18 20:39	1

Client Sample ID: PDI-SG-B237-BL1
Date Collected: 04/20/18 17:04
Date Received: 04/25/18 13:55

Lab Sample ID: 580-76830-26
Matrix: Solid
Percent Solids: 48.0

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-50	0.034	C	0.020	0.0018	ng/g	☼	05/08/18 09:58	05/16/18 20:39	1
PCB-51	0.040	C45	0.020	0.0019	ng/g	☼	05/08/18 09:58	05/16/18 20:39	1
PCB-52	0.31		0.010	0.0018	ng/g	☼	05/08/18 09:58	05/16/18 20:39	1
PCB-53	0.034	C50	0.020	0.0018	ng/g	☼	05/08/18 09:58	05/16/18 20:39	1
PCB-54	ND		0.010	0.00022	ng/g	☼	05/08/18 09:58	05/16/18 20:39	1
PCB-55	0.0029	J	0.010	0.0013	ng/g	☼	05/08/18 09:58	05/16/18 20:39	1
PCB-56	0.091		0.010	0.0013	ng/g	☼	05/08/18 09:58	05/16/18 20:39	1
PCB-57	ND		0.010	0.0013	ng/g	☼	05/08/18 09:58	05/16/18 20:39	1
PCB-58	0.0024	J	0.010	0.0014	ng/g	☼	05/08/18 09:58	05/16/18 20:39	1
PCB-59	0.016	J C	0.031	0.0013	ng/g	☼	05/08/18 09:58	05/16/18 20:39	1
PCB-60	0.031	q	0.010	0.0014	ng/g	☼	05/08/18 09:58	05/16/18 20:39	1
PCB-61	0.38	C	0.041	0.0013	ng/g	☼	05/08/18 09:58	05/16/18 20:39	1
PCB-62	0.016	J C59	0.031	0.0013	ng/g	☼	05/08/18 09:58	05/16/18 20:39	1
PCB-63	0.0082	J	0.010	0.0012	ng/g	☼	05/08/18 09:58	05/16/18 20:39	1
PCB-64	0.084		0.010	0.0012	ng/g	☼	05/08/18 09:58	05/16/18 20:39	1
PCB-65	0.23	B C44	0.031	0.0016	ng/g	☼	05/08/18 09:58	05/16/18 20:39	1
PCB-66	0.22	B	0.010	0.0013	ng/g	☼	05/08/18 09:58	05/16/18 20:39	1
PCB-67	0.0051	J	0.010	0.0012	ng/g	☼	05/08/18 09:58	05/16/18 20:39	1
PCB-68	ND		0.010	0.0012	ng/g	☼	05/08/18 09:58	05/16/18 20:39	1
PCB-69	0.15	C49	0.020	0.0015	ng/g	☼	05/08/18 09:58	05/16/18 20:39	1
PCB-70	0.38	C61	0.041	0.0013	ng/g	☼	05/08/18 09:58	05/16/18 20:39	1
PCB-71	0.11	C40	0.031	0.0018	ng/g	☼	05/08/18 09:58	05/16/18 20:39	1
PCB-72	ND		0.010	0.0013	ng/g	☼	05/08/18 09:58	05/16/18 20:39	1
PCB-73	0.0045	J C43 q	0.020	0.0017	ng/g	☼	05/08/18 09:58	05/16/18 20:39	1
PCB-74	0.38	C61	0.041	0.0013	ng/g	☼	05/08/18 09:58	05/16/18 20:39	1
PCB-75	0.016	J C59	0.031	0.0013	ng/g	☼	05/08/18 09:58	05/16/18 20:39	1
PCB-76	0.38	C61	0.041	0.0013	ng/g	☼	05/08/18 09:58	05/16/18 20:39	1
PCB-77	0.021		0.010	0.0013	ng/g	☼	05/08/18 09:58	05/16/18 20:39	1
PCB-78	ND		0.010	0.0014	ng/g	☼	05/08/18 09:58	05/16/18 20:39	1
PCB-79	0.0028	J	0.010	0.0012	ng/g	☼	05/08/18 09:58	05/16/18 20:39	1
PCB-80	ND		0.010	0.0012	ng/g	☼	05/08/18 09:58	05/16/18 20:39	1
PCB-81	ND		0.010	0.0013	ng/g	☼	05/08/18 09:58	05/16/18 20:39	1
PCB-82	0.048		0.010	0.00098	ng/g	☼	05/08/18 09:58	05/16/18 20:39	1
PCB-83	0.24	C	0.020	0.00089	ng/g	☼	05/08/18 09:58	05/16/18 20:39	1
PCB-84	0.091		0.010	0.00099	ng/g	☼	05/08/18 09:58	05/16/18 20:39	1
PCB-85	0.065	C	0.031	0.00072	ng/g	☼	05/08/18 09:58	05/16/18 20:39	1
PCB-86	0.23	C	0.061	0.00073	ng/g	☼	05/08/18 09:58	05/16/18 20:39	1
PCB-87	0.23	C86	0.061	0.00073	ng/g	☼	05/08/18 09:58	05/16/18 20:39	1
PCB-88	0.056	C q	0.020	0.00088	ng/g	☼	05/08/18 09:58	05/16/18 20:39	1
PCB-89	0.0045	J	0.010	0.00096	ng/g	☼	05/08/18 09:58	05/16/18 20:39	1
PCB-90	0.38	C	0.031	0.00074	ng/g	☼	05/08/18 09:58	05/16/18 20:39	1
PCB-91	0.056	C88 q	0.020	0.00088	ng/g	☼	05/08/18 09:58	05/16/18 20:39	1
PCB-92	0.074		0.010	0.00084	ng/g	☼	05/08/18 09:58	05/16/18 20:39	1
PCB-93	0.0082	J C q	0.020	0.00085	ng/g	☼	05/08/18 09:58	05/16/18 20:39	1
PCB-94	ND		0.010	0.00096	ng/g	☼	05/08/18 09:58	05/16/18 20:39	1
PCB-95	0.31		0.010	0.00092	ng/g	☼	05/08/18 09:58	05/16/18 20:39	1
PCB-96	ND		0.010	0.00072	ng/g	☼	05/08/18 09:58	05/16/18 20:39	1
PCB-97	0.23	C86	0.061	0.00073	ng/g	☼	05/08/18 09:58	05/16/18 20:39	1
PCB-98	0.011	J C q	0.020	0.00082	ng/g	☼	05/08/18 09:58	05/16/18 20:39	1

Client Sample ID: PDI-SG-B237-BL1
Date Collected: 04/20/18 17:04
Date Received: 04/25/18 13:55

Lab Sample ID: 580-76830-26
Matrix: Solid
Percent Solids: 48.0

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-99	0.24	C83	0.020	0.00089	ng/g	☼	05/08/18 09:58	05/16/18 20:39	1
PCB-100	0.0082	J C93 q	0.020	0.00085	ng/g	☼	05/08/18 09:58	05/16/18 20:39	1
PCB-101	0.38	C90	0.031	0.00074	ng/g	☼	05/08/18 09:58	05/16/18 20:39	1
PCB-102	0.011	J C98 q	0.020	0.00082	ng/g	☼	05/08/18 09:58	05/16/18 20:39	1
PCB-103	0.0069	J	0.010	0.00085	ng/g	☼	05/08/18 09:58	05/16/18 20:39	1
PCB-104	ND		0.010	0.00064	ng/g	☼	05/08/18 09:58	05/16/18 20:39	1
PCB-105	0.14		0.010	0.0018	ng/g	☼	05/08/18 09:58	05/16/18 20:39	1
PCB-106	ND		0.010	0.0019	ng/g	☼	05/08/18 09:58	05/16/18 20:39	1
PCB-107	0.042		0.010	0.0020	ng/g	☼	05/08/18 09:58	05/16/18 20:39	1
PCB-108	0.014	J C	0.020	0.0019	ng/g	☼	05/08/18 09:58	05/16/18 20:39	1
PCB-109	0.23	C86	0.061	0.00073	ng/g	☼	05/08/18 09:58	05/16/18 20:39	1
PCB-110	0.43	C	0.020	0.00062	ng/g	☼	05/08/18 09:58	05/16/18 20:39	1
PCB-111	ND		0.010	0.00060	ng/g	☼	05/08/18 09:58	05/16/18 20:39	1
PCB-112	ND		0.010	0.00063	ng/g	☼	05/08/18 09:58	05/16/18 20:39	1
PCB-113	0.38	C90	0.031	0.00074	ng/g	☼	05/08/18 09:58	05/16/18 20:39	1
PCB-114	0.0079	J	0.010	0.0018	ng/g	☼	05/08/18 09:58	05/16/18 20:39	1
PCB-115	0.43	C110	0.020	0.00062	ng/g	☼	05/08/18 09:58	05/16/18 20:39	1
PCB-116	0.065	C85	0.031	0.00072	ng/g	☼	05/08/18 09:58	05/16/18 20:39	1
PCB-117	0.065	C85	0.031	0.00072	ng/g	☼	05/08/18 09:58	05/16/18 20:39	1
PCB-118	0.36		0.010	0.0017	ng/g	☼	05/08/18 09:58	05/16/18 20:39	1
PCB-119	0.23	C86	0.061	0.00073	ng/g	☼	05/08/18 09:58	05/16/18 20:39	1
PCB-120	0.0027	J	0.010	0.00061	ng/g	☼	05/08/18 09:58	05/16/18 20:39	1
PCB-121	ND		0.010	0.00062	ng/g	☼	05/08/18 09:58	05/16/18 20:39	1
PCB-122	0.0048	J q	0.010	0.0022	ng/g	☼	05/08/18 09:58	05/16/18 20:39	1
PCB-123	0.0054	J q	0.010	0.0019	ng/g	☼	05/08/18 09:58	05/16/18 20:39	1
PCB-124	0.014	J C108	0.020	0.0019	ng/g	☼	05/08/18 09:58	05/16/18 20:39	1
PCB-125	0.23	C86	0.061	0.00073	ng/g	☼	05/08/18 09:58	05/16/18 20:39	1
PCB-126	ND		0.010	0.0020	ng/g	☼	05/08/18 09:58	05/16/18 20:39	1
PCB-127	ND		0.010	0.0019	ng/g	☼	05/08/18 09:58	05/16/18 20:39	1
PCB-128	0.083	C	0.020	0.0036	ng/g	☼	05/08/18 09:58	05/16/18 20:39	1
PCB-129	0.60	C B	0.041	0.0037	ng/g	☼	05/08/18 09:58	05/16/18 20:39	1
PCB-130	0.038		0.010	0.0049	ng/g	☼	05/08/18 09:58	05/16/18 20:39	1
PCB-131	ND		0.010	0.0051	ng/g	☼	05/08/18 09:58	05/16/18 20:39	1
PCB-132	0.17		0.010	0.0047	ng/g	☼	05/08/18 09:58	05/16/18 20:39	1
PCB-133	0.0090	J	0.010	0.0046	ng/g	☼	05/08/18 09:58	05/16/18 20:39	1
PCB-134	0.022	C q	0.020	0.0048	ng/g	☼	05/08/18 09:58	05/16/18 20:39	1
PCB-135	0.17	C	0.020	0.0015	ng/g	☼	05/08/18 09:58	05/16/18 20:39	1
PCB-136	0.059		0.010	0.0011	ng/g	☼	05/08/18 09:58	05/16/18 20:39	1
PCB-137	0.018	q	0.010	0.0041	ng/g	☼	05/08/18 09:58	05/16/18 20:39	1
PCB-138	0.60	B C129	0.041	0.0037	ng/g	☼	05/08/18 09:58	05/16/18 20:39	1
PCB-139	0.010	J C	0.020	0.0041	ng/g	☼	05/08/18 09:58	05/16/18 20:39	1
PCB-140	0.010	J C139	0.020	0.0041	ng/g	☼	05/08/18 09:58	05/16/18 20:39	1
PCB-141	0.11		0.010	0.0043	ng/g	☼	05/08/18 09:58	05/16/18 20:39	1
PCB-142	ND		0.010	0.0046	ng/g	☼	05/08/18 09:58	05/16/18 20:39	1
PCB-143	0.022	C134 q	0.020	0.0048	ng/g	☼	05/08/18 09:58	05/16/18 20:39	1
PCB-144	0.018		0.010	0.0014	ng/g	☼	05/08/18 09:58	05/16/18 20:39	1
PCB-145	ND		0.010	0.0011	ng/g	☼	05/08/18 09:58	05/16/18 20:39	1
PCB-146	0.10		0.010	0.0040	ng/g	☼	05/08/18 09:58	05/16/18 20:39	1
PCB-147	0.49	C	0.020	0.0046	ng/g	☼	05/08/18 09:58	05/16/18 20:39	1

Client Sample ID: PDI-SG-B237-BL1
Date Collected: 04/20/18 17:04
Date Received: 04/25/18 13:55

Lab Sample ID: 580-76830-26
Matrix: Solid
Percent Solids: 48.0

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-148	ND		0.010	0.0015	ng/g	☼	05/08/18 09:58	05/16/18 20:39	1
PCB-149	**0.49**	**C147**	0.020	0.0046	ng/g	☼	05/08/18 09:58	05/16/18 20:39	1
PCB-150	ND		0.010	0.0010	ng/g	☼	05/08/18 09:58	05/16/18 20:39	1
PCB-151	**0.17**	**C135**	0.020	0.0015	ng/g	☼	05/08/18 09:58	05/16/18 20:39	1
PCB-152	ND		0.010	0.0011	ng/g	☼	05/08/18 09:58	05/16/18 20:39	1
PCB-153	**0.50**	**C**	0.020	0.0032	ng/g	☼	05/08/18 09:58	05/16/18 20:39	1
PCB-154	**0.0093**	**J**	0.010	0.0012	ng/g	☼	05/08/18 09:58	05/16/18 20:39	1
PCB-155	ND		0.010	0.0010	ng/g	☼	05/08/18 09:58	05/16/18 20:39	1
PCB-156	**0.059**	**C B**	0.020	0.0036	ng/g	☼	05/08/18 09:58	05/16/18 20:39	1
PCB-157	**0.059**	**C156 B**	0.020	0.0036	ng/g	☼	05/08/18 09:58	05/16/18 20:39	1
PCB-158	**0.054**		0.010	0.0029	ng/g	☼	05/08/18 09:58	05/16/18 20:39	1
PCB-159	ND		0.010	0.0031	ng/g	☼	05/08/18 09:58	05/16/18 20:39	1
PCB-160	**0.60**	**B C129**	0.041	0.0037	ng/g	☼	05/08/18 09:58	05/16/18 20:39	1
PCB-161	ND		0.010	0.0030	ng/g	☼	05/08/18 09:58	05/16/18 20:39	1
PCB-162	ND		0.010	0.0030	ng/g	☼	05/08/18 09:58	05/16/18 20:39	1
PCB-163	**0.60**	**B C129**	0.041	0.0037	ng/g	☼	05/08/18 09:58	05/16/18 20:39	1
PCB-164	**0.043**	**q**	0.010	0.0032	ng/g	☼	05/08/18 09:58	05/16/18 20:39	1
PCB-165	ND		0.010	0.0034	ng/g	☼	05/08/18 09:58	05/16/18 20:39	1
PCB-166	**0.083**	**C128**	0.020	0.0036	ng/g	☼	05/08/18 09:58	05/16/18 20:39	1
PCB-167	**0.024**		0.010	0.0023	ng/g	☼	05/08/18 09:58	05/16/18 20:39	1
PCB-168	**0.50**	**C153**	0.020	0.0032	ng/g	☼	05/08/18 09:58	05/16/18 20:39	1
PCB-169	**0.0053**	**J B**	0.010	0.0027	ng/g	☼	05/08/18 09:58	05/16/18 20:39	1
PCB-170	**0.17**		0.010	0.0029	ng/g	☼	05/08/18 09:58	05/16/18 20:39	1
PCB-171	**0.047**	**C**	0.020	0.0025	ng/g	☼	05/08/18 09:58	05/16/18 20:39	1
PCB-172	**0.027**	**q**	0.010	0.0025	ng/g	☼	05/08/18 09:58	05/16/18 20:39	1
PCB-173	**0.047**	**C171**	0.020	0.0025	ng/g	☼	05/08/18 09:58	05/16/18 20:39	1
PCB-174	**0.17**		0.010	0.0023	ng/g	☼	05/08/18 09:58	05/16/18 20:39	1
PCB-175	**0.0062**	**J q**	0.010	0.0023	ng/g	☼	05/08/18 09:58	05/16/18 20:39	1
PCB-176	**0.020**	**q**	0.010	0.0017	ng/g	☼	05/08/18 09:58	05/16/18 20:39	1
PCB-177	**0.10**		0.010	0.0024	ng/g	☼	05/08/18 09:58	05/16/18 20:39	1
PCB-178	**0.041**		0.010	0.0024	ng/g	☼	05/08/18 09:58	05/16/18 20:39	1
PCB-179	**0.078**		0.010	0.0018	ng/g	☼	05/08/18 09:58	05/16/18 20:39	1
PCB-180	**0.36**	**C**	0.020	0.0019	ng/g	☼	05/08/18 09:58	05/16/18 20:39	1
PCB-181	ND		0.010	0.0022	ng/g	☼	05/08/18 09:58	05/16/18 20:39	1
PCB-182	ND		0.010	0.0022	ng/g	☼	05/08/18 09:58	05/16/18 20:39	1
PCB-183	**0.12**	**C**	0.020	0.0022	ng/g	☼	05/08/18 09:58	05/16/18 20:39	1
PCB-184	ND		0.010	0.0018	ng/g	☼	05/08/18 09:58	05/16/18 20:39	1
PCB-185	**0.12**	**C183**	0.020	0.0022	ng/g	☼	05/08/18 09:58	05/16/18 20:39	1
PCB-186	ND		0.010	0.0018	ng/g	☼	05/08/18 09:58	05/16/18 20:39	1
PCB-187	**0.22**		0.010	0.0021	ng/g	☼	05/08/18 09:58	05/16/18 20:39	1
PCB-188	ND		0.010	0.0015	ng/g	☼	05/08/18 09:58	05/16/18 20:39	1
PCB-189	ND		0.010	0.0025	ng/g	☼	05/08/18 09:58	05/16/18 20:39	1
PCB-190	**0.031**	**B**	0.010	0.0016	ng/g	☼	05/08/18 09:58	05/16/18 20:39	1
PCB-191	**0.0057**	**J q**	0.010	0.0017	ng/g	☼	05/08/18 09:58	05/16/18 20:39	1
PCB-192	ND		0.010	0.0019	ng/g	☼	05/08/18 09:58	05/16/18 20:39	1
PCB-193	**0.36**	**C180**	0.020	0.0019	ng/g	☼	05/08/18 09:58	05/16/18 20:39	1
PCB-194	**0.089**		0.010	0.0056	ng/g	☼	05/08/18 09:58	05/16/18 20:39	1
PCB-195	**0.039**		0.010	0.0061	ng/g	☼	05/08/18 09:58	05/16/18 20:39	1
PCB-196	**0.037**	**q**	0.010	0.0024	ng/g	☼	05/08/18 09:58	05/16/18 20:39	1

Client Sample ID: PDI-SG-B237-BL1
Date Collected: 04/20/18 17:04
Date Received: 04/25/18 13:55

Lab Sample ID: 580-76830-26
Matrix: Solid
Percent Solids: 48.0

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-197	0.0043	J	0.010	0.0018	ng/g	☼	05/08/18 09:58	05/16/18 20:39	1
PCB-198	0.13	C	0.020	0.0024	ng/g	☼	05/08/18 09:58	05/16/18 20:39	1
PCB-199	0.13	C198	0.020	0.0024	ng/g	☼	05/08/18 09:58	05/16/18 20:39	1
PCB-200	0.012		0.010	0.0016	ng/g	☼	05/08/18 09:58	05/16/18 20:39	1
PCB-201	0.010	q	0.010	0.0017	ng/g	☼	05/08/18 09:58	05/16/18 20:39	1
PCB-202	0.028		0.010	0.0019	ng/g	☼	05/08/18 09:58	05/16/18 20:39	1
PCB-203	0.073		0.010	0.0022	ng/g	☼	05/08/18 09:58	05/16/18 20:39	1
PCB-204	ND		0.010	0.0018	ng/g	☼	05/08/18 09:58	05/16/18 20:39	1
PCB-205	ND		0.010	0.0047	ng/g	☼	05/08/18 09:58	05/16/18 20:39	1
PCB-206	0.21		0.010	0.0044	ng/g	☼	05/08/18 09:58	05/16/18 20:39	1
PCB-207	0.017		0.010	0.0030	ng/g	☼	05/08/18 09:58	05/16/18 20:39	1
PCB-208	0.069		0.010	0.0030	ng/g	☼	05/08/18 09:58	05/16/18 20:39	1
PCB-209	0.16		0.010	0.0030	ng/g	☼	05/08/18 09:58	05/16/18 20:39	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
PCB-1L	*86*		*30 - 140*	*05/08/18 09:58*	*05/16/18 20:39*	*1*
PCB-3L	*89*		*30 - 140*	*05/08/18 09:58*	*05/16/18 20:39*	*1*
PCB-4L	*79*		*30 - 140*	*05/08/18 09:58*	*05/16/18 20:39*	*1*
PCB-15L	*82*		*30 - 140*	*05/08/18 09:58*	*05/16/18 20:39*	*1*
PCB-19L	*101*		*30 - 140*	*05/08/18 09:58*	*05/16/18 20:39*	*1*
PCB-37L	*90*		*30 - 140*	*05/08/18 09:58*	*05/16/18 20:39*	*1*
PCB-54L	*93*		*30 - 140*	*05/08/18 09:58*	*05/16/18 20:39*	*1*
PCB-77L	*82*		*30 - 140*	*05/08/18 09:58*	*05/16/18 20:39*	*1*
PCB-81L	*81*		*30 - 140*	*05/08/18 09:58*	*05/16/18 20:39*	*1*
PCB-104L	*85*		*30 - 140*	*05/08/18 09:58*	*05/16/18 20:39*	*1*
PCB-105L	*89*		*30 - 140*	*05/08/18 09:58*	*05/16/18 20:39*	*1*
PCB-114L	*90*		*30 - 140*	*05/08/18 09:58*	*05/16/18 20:39*	*1*
PCB-118L	*89*		*30 - 140*	*05/08/18 09:58*	*05/16/18 20:39*	*1*
PCB-123L	*87*		*30 - 140*	*05/08/18 09:58*	*05/16/18 20:39*	*1*
PCB-126L	*83*		*30 - 140*	*05/08/18 09:58*	*05/16/18 20:39*	*1*
PCB-155L	*85*		*30 - 140*	*05/08/18 09:58*	*05/16/18 20:39*	*1*
PCB-156L	*87*	*C*	*30 - 140*	*05/08/18 09:58*	*05/16/18 20:39*	*1*
PCB-157L	*87*	*C156*	*30 - 140*	*05/08/18 09:58*	*05/16/18 20:39*	*1*
PCB-167L	*87*		*30 - 140*	*05/08/18 09:58*	*05/16/18 20:39*	*1*
PCB-169L	*85*		*30 - 140*	*05/08/18 09:58*	*05/16/18 20:39*	*1*
PCB-170L	*81*		*30 - 140*	*05/08/18 09:58*	*05/16/18 20:39*	*1*
PCB-188L	*93*		*30 - 140*	*05/08/18 09:58*	*05/16/18 20:39*	*1*
PCB-189L	*123*		*30 - 140*	*05/08/18 09:58*	*05/16/18 20:39*	*1*
PCB-202L	*95*		*30 - 140*	*05/08/18 09:58*	*05/16/18 20:39*	*1*
PCB-205L	*88*		*30 - 140*	*05/08/18 09:58*	*05/16/18 20:39*	*1*
PCB-206L	*82*		*30 - 140*	*05/08/18 09:58*	*05/16/18 20:39*	*1*
PCB-208L	*87*		*30 - 140*	*05/08/18 09:58*	*05/16/18 20:39*	*1*
PCB-209L	*75*		*30 - 140*	*05/08/18 09:58*	*05/16/18 20:39*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
PCB-28L	*95*		*40 - 125*	*05/08/18 09:58*	*05/16/18 20:39*	*1*
PCB-111L	*91*		*40 - 125*	*05/08/18 09:58*	*05/16/18 20:39*	*1*
PCB-178L	*97*		*40 - 125*	*05/08/18 09:58*	*05/16/18 20:39*	*1*

Client Sample ID: PDI-SG-B233-BL1
Date Collected: 04/20/18 14:45
Date Received: 04/25/18 13:55

Lab Sample ID: 580-76830-27
Matrix: Solid
Percent Solids: 64.4

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1	ND		0.0096	0.00014	ng/g	☼	05/08/18 09:58	05/18/18 20:56	1
PCB-2	**0.0030**	**J B**	0.0096	0.00016	ng/g	☼	05/08/18 09:58	05/18/18 20:56	1
PCB-3	**0.0018**	**J B**	0.0096	0.00018	ng/g	☼	05/08/18 09:58	05/18/18 20:56	1
PCB-4	**0.0098**	**J q**	0.019	0.0035	ng/g	☼	05/08/18 09:58	05/18/18 20:56	1
PCB-5	ND		0.0096	0.0025	ng/g	☼	05/08/18 09:58	05/18/18 20:56	1
PCB-6	**0.0026**	**J**	0.0096	0.0022	ng/g	☼	05/08/18 09:58	05/18/18 20:56	1
PCB-7	ND		0.0096	0.0023	ng/g	☼	05/08/18 09:58	05/18/18 20:56	1
PCB-8	**0.0063**	**J q**	0.019	0.0020	ng/g	☼	05/08/18 09:58	05/18/18 20:56	1
PCB-9	ND		0.0096	0.0023	ng/g	☼	05/08/18 09:58	05/18/18 20:56	1
PCB-10	ND		0.0096	0.0025	ng/g	☼	05/08/18 09:58	05/18/18 20:56	1
PCB-11	**0.026**	**q**	0.019	0.0022	ng/g	☼	05/08/18 09:58	05/18/18 20:56	1
PCB-12	ND	C	0.019	0.0022	ng/g	☼	05/08/18 09:58	05/18/18 20:56	1
PCB-13	ND	C12	0.019	0.0022	ng/g	☼	05/08/18 09:58	05/18/18 20:56	1
PCB-14	ND		0.0096	0.0019	ng/g	☼	05/08/18 09:58	05/18/18 20:56	1
PCB-15	**0.0079**	**J q**	0.0096	0.0022	ng/g	☼	05/08/18 09:58	05/18/18 20:56	1
PCB-16	**0.0044**	**J**	0.0096	0.00055	ng/g	☼	05/08/18 09:58	05/18/18 20:56	1
PCB-17	**0.0070**	**J**	0.0096	0.00049	ng/g	☼	05/08/18 09:58	05/18/18 20:56	1
PCB-18	**0.013**	**J C**	0.019	0.00043	ng/g	☼	05/08/18 09:58	05/18/18 20:56	1
PCB-19	**0.0095**	**J**	0.0096	0.00060	ng/g	☼	05/08/18 09:58	05/18/18 20:56	1
PCB-20	**0.024**	**C**	0.019	0.00038	ng/g	☼	05/08/18 09:58	05/18/18 20:56	1
PCB-21	**0.0088**	**J C**	0.019	0.00037	ng/g	☼	05/08/18 09:58	05/18/18 20:56	1
PCB-22	**0.0058**	**J**	0.0096	0.00039	ng/g	☼	05/08/18 09:58	05/18/18 20:56	1
PCB-23	ND		0.0096	0.00039	ng/g	☼	05/08/18 09:58	05/18/18 20:56	1
PCB-24	ND		0.0096	0.00041	ng/g	☼	05/08/18 09:58	05/18/18 20:56	1
PCB-25	**0.0018**	**J q**	0.0096	0.00035	ng/g	☼	05/08/18 09:58	05/18/18 20:56	1
PCB-26	**0.0034**	**J C**	0.019	0.00038	ng/g	☼	05/08/18 09:58	05/18/18 20:56	1
PCB-27	**0.0017**	**J q**	0.0096	0.00036	ng/g	☼	05/08/18 09:58	05/18/18 20:56	1
PCB-28	**0.024**	**C20**	0.019	0.00038	ng/g	☼	05/08/18 09:58	05/18/18 20:56	1
PCB-29	**0.0034**	**J C26**	0.019	0.00038	ng/g	☼	05/08/18 09:58	05/18/18 20:56	1
PCB-30	**0.013**	**J C18**	0.019	0.00043	ng/g	☼	05/08/18 09:58	05/18/18 20:56	1
PCB-31	**0.018**	**J**	0.019	0.00037	ng/g	☼	05/08/18 09:58	05/18/18 20:56	1
PCB-32	**0.0054**	**J B**	0.0096	0.00034	ng/g	☼	05/08/18 09:58	05/18/18 20:56	1
PCB-33	**0.0088**	**J C21**	0.019	0.00037	ng/g	☼	05/08/18 09:58	05/18/18 20:56	1
PCB-34	ND		0.0096	0.00040	ng/g	☼	05/08/18 09:58	05/18/18 20:56	1
PCB-35	ND		0.0096	0.00039	ng/g	☼	05/08/18 09:58	05/18/18 20:56	1
PCB-36	ND		0.0096	0.00038	ng/g	☼	05/08/18 09:58	05/18/18 20:56	1
PCB-37	**0.0072**	**J**	0.0096	0.00039	ng/g	☼	05/08/18 09:58	05/18/18 20:56	1
PCB-38	ND		0.0096	0.00041	ng/g	☼	05/08/18 09:58	05/18/18 20:56	1
PCB-39	ND		0.0096	0.00036	ng/g	☼	05/08/18 09:58	05/18/18 20:56	1
PCB-40	**0.018**	**J C**	0.029	0.00087	ng/g	☼	05/08/18 09:58	05/18/18 20:56	1
PCB-41	**0.018**	**J C40**	0.029	0.00087	ng/g	☼	05/08/18 09:58	05/18/18 20:56	1
PCB-42	**0.0077**	**J**	0.0096	0.00087	ng/g	☼	05/08/18 09:58	05/18/18 20:56	1
PCB-43	ND	C	0.019	0.00082	ng/g	☼	05/08/18 09:58	05/18/18 20:56	1
PCB-44	**0.047**	**C B**	0.029	0.00077	ng/g	☼	05/08/18 09:58	05/18/18 20:56	1
PCB-45	**0.0094**	**J C**	0.019	0.00092	ng/g	☼	05/08/18 09:58	05/18/18 20:56	1
PCB-46	ND		0.0096	0.0011	ng/g	☼	05/08/18 09:58	05/18/18 20:56	1
PCB-47	**0.047**	**B C44**	0.029	0.00077	ng/g	☼	05/08/18 09:58	05/18/18 20:56	1
PCB-48	**0.0055**	**J**	0.0096	0.00087	ng/g	☼	05/08/18 09:58	05/18/18 20:56	1
PCB-49	**0.032**	**C**	0.019	0.00071	ng/g	☼	05/08/18 09:58	05/18/18 20:56	1

Client Sample ID: PDI-SG-B233-BL1
Date Collected: 04/20/18 14:45
Date Received: 04/25/18 13:55

Lab Sample ID: 580-76830-27
Matrix: Solid
Percent Solids: 64.4

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-50	0.0090	J C	0.019	0.00085	ng/g	☼	05/08/18 09:58	05/18/18 20:56	1
PCB-51	0.0094	J C45	0.019	0.00092	ng/g	☼	05/08/18 09:58	05/18/18 20:56	1
PCB-52	0.055		0.0096	0.00087	ng/g	☼	05/08/18 09:58	05/18/18 20:56	1
PCB-53	0.0090	J C50	0.019	0.00085	ng/g	☼	05/08/18 09:58	05/18/18 20:56	1
PCB-54	0.0011	J q	0.0096	0.000053	ng/g	☼	05/08/18 09:58	05/18/18 20:56	1
PCB-55	ND		0.0096	0.00063	ng/g	☼	05/08/18 09:58	05/18/18 20:56	1
PCB-56	0.016		0.0096	0.00064	ng/g	☼	05/08/18 09:58	05/18/18 20:56	1
PCB-57	ND		0.0096	0.00064	ng/g	☼	05/08/18 09:58	05/18/18 20:56	1
PCB-58	ND		0.0096	0.00065	ng/g	☼	05/08/18 09:58	05/18/18 20:56	1
PCB-59	0.0027	J C	0.029	0.00062	ng/g	☼	05/08/18 09:58	05/18/18 20:56	1
PCB-60	0.0071	J	0.0096	0.00065	ng/g	☼	05/08/18 09:58	05/18/18 20:56	1
PCB-61	0.071	C	0.038	0.00061	ng/g	☼	05/08/18 09:58	05/18/18 20:56	1
PCB-62	0.0027	J C59	0.029	0.00062	ng/g	☼	05/08/18 09:58	05/18/18 20:56	1
PCB-63	ND		0.0096	0.00059	ng/g	☼	05/08/18 09:58	05/18/18 20:56	1
PCB-64	0.015		0.0096	0.00058	ng/g	☼	05/08/18 09:58	05/18/18 20:56	1
PCB-65	0.047	B C44	0.029	0.00077	ng/g	☼	05/08/18 09:58	05/18/18 20:56	1
PCB-66	0.042	B	0.0096	0.00060	ng/g	☼	05/08/18 09:58	05/18/18 20:56	1
PCB-67	ND		0.0096	0.00056	ng/g	☼	05/08/18 09:58	05/18/18 20:56	1
PCB-68	ND		0.0096	0.00057	ng/g	☼	05/08/18 09:58	05/18/18 20:56	1
PCB-69	0.032	C49	0.019	0.00071	ng/g	☼	05/08/18 09:58	05/18/18 20:56	1
PCB-70	0.071	C61	0.038	0.00061	ng/g	☼	05/08/18 09:58	05/18/18 20:56	1
PCB-71	0.018	J C40	0.029	0.00087	ng/g	☼	05/08/18 09:58	05/18/18 20:56	1
PCB-72	ND		0.0096	0.00063	ng/g	☼	05/08/18 09:58	05/18/18 20:56	1
PCB-73	ND	C43	0.019	0.00082	ng/g	☼	05/08/18 09:58	05/18/18 20:56	1
PCB-74	0.071	C61	0.038	0.00061	ng/g	☼	05/08/18 09:58	05/18/18 20:56	1
PCB-75	0.0027	J C59	0.029	0.00062	ng/g	☼	05/08/18 09:58	05/18/18 20:56	1
PCB-76	0.071	C61	0.038	0.00061	ng/g	☼	05/08/18 09:58	05/18/18 20:56	1
PCB-77	0.0061	J	0.0096	0.00062	ng/g	☼	05/08/18 09:58	05/18/18 20:56	1
PCB-78	ND		0.0096	0.00065	ng/g	☼	05/08/18 09:58	05/18/18 20:56	1
PCB-79	ND		0.0096	0.00057	ng/g	☼	05/08/18 09:58	05/18/18 20:56	1
PCB-80	ND		0.0096	0.00056	ng/g	☼	05/08/18 09:58	05/18/18 20:56	1
PCB-81	ND		0.0096	0.00059	ng/g	☼	05/08/18 09:58	05/18/18 20:56	1
PCB-82	0.012		0.0096	0.00047	ng/g	☼	05/08/18 09:58	05/18/18 20:56	1
PCB-83	0.074	C	0.019	0.00043	ng/g	☼	05/08/18 09:58	05/18/18 20:56	1
PCB-84	0.025		0.0096	0.00048	ng/g	☼	05/08/18 09:58	05/18/18 20:56	1
PCB-85	0.027	J C	0.029	0.00035	ng/g	☼	05/08/18 09:58	05/18/18 20:56	1
PCB-86	0.069	C	0.058	0.00035	ng/g	☼	05/08/18 09:58	05/18/18 20:56	1
PCB-87	0.069	C86	0.058	0.00035	ng/g	☼	05/08/18 09:58	05/18/18 20:56	1
PCB-88	0.018	J C q	0.019	0.00043	ng/g	☼	05/08/18 09:58	05/18/18 20:56	1
PCB-89	ND		0.0096	0.00046	ng/g	☼	05/08/18 09:58	05/18/18 20:56	1
PCB-90	0.12	C	0.029	0.00036	ng/g	☼	05/08/18 09:58	05/18/18 20:56	1
PCB-91	0.018	J C88 q	0.019	0.00043	ng/g	☼	05/08/18 09:58	05/18/18 20:56	1
PCB-92	0.024		0.0096	0.00041	ng/g	☼	05/08/18 09:58	05/18/18 20:56	1
PCB-93	0.0036	J C	0.019	0.00041	ng/g	☼	05/08/18 09:58	05/18/18 20:56	1
PCB-94	ND		0.0096	0.00046	ng/g	☼	05/08/18 09:58	05/18/18 20:56	1
PCB-95	0.10		0.0096	0.00045	ng/g	☼	05/08/18 09:58	05/18/18 20:56	1
PCB-96	0.0018	J	0.0096	0.00035	ng/g	☼	05/08/18 09:58	05/18/18 20:56	1
PCB-97	0.069	C86	0.058	0.00035	ng/g	☼	05/08/18 09:58	05/18/18 20:56	1
PCB-98	0.0025	J C q	0.019	0.00040	ng/g	☼	05/08/18 09:58	05/18/18 20:56	1

Client Sample ID: PDI-SG-B233-BL1
Date Collected: 04/20/18 14:45
Date Received: 04/25/18 13:55

Lab Sample ID: 580-76830-27
Matrix: Solid
Percent Solids: 64.4

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-99	0.074	C83	0.019	0.00043	ng/g	☼	05/08/18 09:58	05/18/18 20:56	1
PCB-100	0.0036	J C93	0.019	0.00041	ng/g	☼	05/08/18 09:58	05/18/18 20:56	1
PCB-101	0.12	C90	0.029	0.00036	ng/g	☼	05/08/18 09:58	05/18/18 20:56	1
PCB-102	0.0025	J C98 q	0.019	0.00040	ng/g	☼	05/08/18 09:58	05/18/18 20:56	1
PCB-103	0.0021	J q	0.0096	0.00041	ng/g	☼	05/08/18 09:58	05/18/18 20:56	1
PCB-104	ND		0.0096	0.00031	ng/g	☼	05/08/18 09:58	05/18/18 20:56	1
PCB-105	0.038		0.0096	0.00068	ng/g	☼	05/08/18 09:58	05/18/18 20:56	1
PCB-106	ND		0.0096	0.00075	ng/g	☼	05/08/18 09:58	05/18/18 20:56	1
PCB-107	0.0088	J	0.0096	0.00080	ng/g	☼	05/08/18 09:58	05/18/18 20:56	1
PCB-108	0.0034	J C q	0.019	0.00077	ng/g	☼	05/08/18 09:58	05/18/18 20:56	1
PCB-109	0.069	C86	0.058	0.00035	ng/g	☼	05/08/18 09:58	05/18/18 20:56	1
PCB-110	0.16	C	0.019	0.00030	ng/g	☼	05/08/18 09:58	05/18/18 20:56	1
PCB-111	ND		0.0096	0.00029	ng/g	☼	05/08/18 09:58	05/18/18 20:56	1
PCB-112	ND		0.0096	0.00030	ng/g	☼	05/08/18 09:58	05/18/18 20:56	1
PCB-113	0.12	C90	0.029	0.00036	ng/g	☼	05/08/18 09:58	05/18/18 20:56	1
PCB-114	0.0011	J q	0.0096	0.00070	ng/g	☼	05/08/18 09:58	05/18/18 20:56	1
PCB-115	0.16	C110	0.019	0.00030	ng/g	☼	05/08/18 09:58	05/18/18 20:56	1
PCB-116	0.027	J C85	0.029	0.00035	ng/g	☼	05/08/18 09:58	05/18/18 20:56	1
PCB-117	0.027	J C85	0.029	0.00035	ng/g	☼	05/08/18 09:58	05/18/18 20:56	1
PCB-118	0.092		0.0096	0.00070	ng/g	☼	05/08/18 09:58	05/18/18 20:56	1
PCB-119	0.069	C86	0.058	0.00035	ng/g	☼	05/08/18 09:58	05/18/18 20:56	1
PCB-120	ND		0.0096	0.00029	ng/g	☼	05/08/18 09:58	05/18/18 20:56	1
PCB-121	ND		0.0096	0.00030	ng/g	☼	05/08/18 09:58	05/18/18 20:56	1
PCB-122	ND		0.0096	0.00086	ng/g	☼	05/08/18 09:58	05/18/18 20:56	1
PCB-123	ND		0.0096	0.00070	ng/g	☼	05/08/18 09:58	05/18/18 20:56	1
PCB-124	0.0034	J q C108	0.019	0.00077	ng/g	☼	05/08/18 09:58	05/18/18 20:56	1
PCB-125	0.069	C86	0.058	0.00035	ng/g	☼	05/08/18 09:58	05/18/18 20:56	1
PCB-126	ND		0.0096	0.00092	ng/g	☼	05/08/18 09:58	05/18/18 20:56	1
PCB-127	ND		0.0096	0.00075	ng/g	☼	05/08/18 09:58	05/18/18 20:56	1
PCB-128	0.043	C	0.019	0.0017	ng/g	☼	05/08/18 09:58	05/18/18 20:56	1
PCB-129	0.43	C B	0.038	0.0017	ng/g	☼	05/08/18 09:58	05/18/18 20:56	1
PCB-130	0.018		0.0096	0.0023	ng/g	☼	05/08/18 09:58	05/18/18 20:56	1
PCB-131	ND		0.0096	0.0024	ng/g	☼	05/08/18 09:58	05/18/18 20:56	1
PCB-132	0.13		0.0096	0.0023	ng/g	☼	05/08/18 09:58	05/18/18 20:56	1
PCB-133	0.0063	J	0.0096	0.0022	ng/g	☼	05/08/18 09:58	05/18/18 20:56	1
PCB-134	0.023	C	0.019	0.0023	ng/g	☼	05/08/18 09:58	05/18/18 20:56	1
PCB-135	0.12	C	0.019	0.00046	ng/g	☼	05/08/18 09:58	05/18/18 20:56	1
PCB-136	0.038		0.0096	0.00033	ng/g	☼	05/08/18 09:58	05/18/18 20:56	1
PCB-137	0.0093	J q	0.0096	0.0020	ng/g	☼	05/08/18 09:58	05/18/18 20:56	1
PCB-138	0.43	B C129	0.038	0.0017	ng/g	☼	05/08/18 09:58	05/18/18 20:56	1
PCB-139	0.0042	J C q	0.019	0.0019	ng/g	☼	05/08/18 09:58	05/18/18 20:56	1
PCB-140	0.0042	J C139 q	0.019	0.0019	ng/g	☼	05/08/18 09:58	05/18/18 20:56	1
PCB-141	0.081		0.0096	0.0020	ng/g	☼	05/08/18 09:58	05/18/18 20:56	1
PCB-142	ND		0.0096	0.0022	ng/g	☼	05/08/18 09:58	05/18/18 20:56	1
PCB-143	0.023	C134	0.019	0.0023	ng/g	☼	05/08/18 09:58	05/18/18 20:56	1
PCB-144	0.011	S q	0.0096	0.00041	ng/g	☼	05/08/18 09:58	05/18/18 20:56	1
PCB-145	ND		0.0096	0.00031	ng/g	☼	05/08/18 09:58	05/18/18 20:56	1
PCB-146	0.077		0.0096	0.0019	ng/g	☼	05/08/18 09:58	05/18/18 20:56	1
PCB-147	0.50	C	0.019	0.0022	ng/g	☼	05/08/18 09:58	05/18/18 20:56	1

Client Sample ID: PDI-SG-B233-BL1
Date Collected: 04/20/18 14:45
Date Received: 04/25/18 13:55

Lab Sample ID: 580-76830-27
Matrix: Solid
Percent Solids: 64.4

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-148	ND		0.0096	0.00044	ng/g	☼	05/08/18 09:58	05/18/18 20:56	1
PCB-149	**0.50**	**C147**	0.019	0.0022	ng/g	☼	05/08/18 09:58	05/18/18 20:56	1
PCB-150	ND		0.0096	0.00030	ng/g	☼	05/08/18 09:58	05/18/18 20:56	1
PCB-151	**0.12**	**C135**	0.019	0.00046	ng/g	☼	05/08/18 09:58	05/18/18 20:56	1
PCB-152	ND		0.0096	0.00032	ng/g	☼	05/08/18 09:58	05/18/18 20:56	1
PCB-153	**0.37**	**C**	0.019	0.0015	ng/g	☼	05/08/18 09:58	05/18/18 20:56	1
PCB-154	**0.0030**	**J q**	0.0096	0.00036	ng/g	☼	05/08/18 09:58	05/18/18 20:56	1
PCB-155	ND		0.0096	0.00030	ng/g	☼	05/08/18 09:58	05/18/18 20:56	1
PCB-156	**0.024**	**C B**	0.019	0.0019	ng/g	☼	05/08/18 09:58	05/18/18 20:56	1
PCB-157	**0.024**	**C156 B**	0.019	0.0019	ng/g	☼	05/08/18 09:58	05/18/18 20:56	1
PCB-158	**0.042**		0.0096	0.0014	ng/g	☼	05/08/18 09:58	05/18/18 20:56	1
PCB-159	**0.0040**	**J**	0.0096	0.0015	ng/g	☼	05/08/18 09:58	05/18/18 20:56	1
PCB-160	**0.43**	**B C129**	0.038	0.0017	ng/g	☼	05/08/18 09:58	05/18/18 20:56	1
PCB-161	ND		0.0096	0.0014	ng/g	☼	05/08/18 09:58	05/18/18 20:56	1
PCB-162	ND		0.0096	0.0014	ng/g	☼	05/08/18 09:58	05/18/18 20:56	1
PCB-163	**0.43**	**B C129**	0.038	0.0017	ng/g	☼	05/08/18 09:58	05/18/18 20:56	1
PCB-164	**0.028**		0.0096	0.0015	ng/g	☼	05/08/18 09:58	05/18/18 20:56	1
PCB-165	ND		0.0096	0.0016	ng/g	☼	05/08/18 09:58	05/18/18 20:56	1
PCB-166	**0.043**	**C128**	0.019	0.0017	ng/g	☼	05/08/18 09:58	05/18/18 20:56	1
PCB-167	**0.0099**		0.0096	0.0013	ng/g	☼	05/08/18 09:58	05/18/18 20:56	1
PCB-168	**0.37**	**C153**	0.019	0.0015	ng/g	☼	05/08/18 09:58	05/18/18 20:56	1
PCB-169	ND		0.0096	0.00097	ng/g	☼	05/08/18 09:58	05/18/18 20:56	1
PCB-170	**0.12**		0.0096	0.0011	ng/g	☼	05/08/18 09:58	05/18/18 20:56	1
PCB-171	**0.028**	**C**	0.019	0.00080	ng/g	☼	05/08/18 09:58	05/18/18 20:56	1
PCB-172	**0.017**		0.0096	0.00079	ng/g	☼	05/08/18 09:58	05/18/18 20:56	1
PCB-173	**0.028**	**C171**	0.019	0.00080	ng/g	☼	05/08/18 09:58	05/18/18 20:56	1
PCB-174	**0.11**		0.0096	0.00075	ng/g	☼	05/08/18 09:58	05/18/18 20:56	1
PCB-175	**0.0039**	**J**	0.0096	0.00072	ng/g	☼	05/08/18 09:58	05/18/18 20:56	1
PCB-176	**0.014**		0.0096	0.00055	ng/g	☼	05/08/18 09:58	05/18/18 20:56	1
PCB-177	**0.055**		0.0096	0.00077	ng/g	☼	05/08/18 09:58	05/18/18 20:56	1
PCB-178	**0.025**	**q**	0.0096	0.00078	ng/g	☼	05/08/18 09:58	05/18/18 20:56	1
PCB-179	**0.086**		0.0096	0.00058	ng/g	☼	05/08/18 09:58	05/18/18 20:56	1
PCB-180	**0.22**	**C**	0.019	0.00060	ng/g	☼	05/08/18 09:58	05/18/18 20:56	1
PCB-181	ND		0.0096	0.00072	ng/g	☼	05/08/18 09:58	05/18/18 20:56	1
PCB-182	**0.0014**	**J q**	0.0096	0.00069	ng/g	☼	05/08/18 09:58	05/18/18 20:56	1
PCB-183	**0.079**	**C**	0.019	0.00071	ng/g	☼	05/08/18 09:58	05/18/18 20:56	1
PCB-184	ND		0.0096	0.00059	ng/g	☼	05/08/18 09:58	05/18/18 20:56	1
PCB-185	**0.079**	**C183**	0.019	0.00071	ng/g	☼	05/08/18 09:58	05/18/18 20:56	1
PCB-186	ND		0.0096	0.00057	ng/g	☼	05/08/18 09:58	05/18/18 20:56	1
PCB-187	**0.17**		0.0096	0.00067	ng/g	☼	05/08/18 09:58	05/18/18 20:56	1
PCB-188	ND		0.0096	0.00044	ng/g	☼	05/08/18 09:58	05/18/18 20:56	1
PCB-189	**0.0033**	**J**	0.0096	0.0012	ng/g	☼	05/08/18 09:58	05/18/18 20:56	1
PCB-190	**0.018**	**B**	0.0096	0.00052	ng/g	☼	05/08/18 09:58	05/18/18 20:56	1
PCB-191	**0.0020**	**J q**	0.0096	0.00054	ng/g	☼	05/08/18 09:58	05/18/18 20:56	1
PCB-192	ND		0.0096	0.00061	ng/g	☼	05/08/18 09:58	05/18/18 20:56	1
PCB-193	**0.22**	**C180**	0.019	0.00060	ng/g	☼	05/08/18 09:58	05/18/18 20:56	1
PCB-194	**0.091**		0.0096	0.0032	ng/g	☼	05/08/18 09:58	05/18/18 20:56	1
PCB-195	**0.044**		0.0096	0.0035	ng/g	☼	05/08/18 09:58	05/18/18 20:56	1
PCB-196	**0.042**	**q**	0.0096	0.0016	ng/g	☼	05/08/18 09:58	05/18/18 20:56	1

Client Sample ID: PDI-SG-B233-BL1
Date Collected: 04/20/18 14:45
Date Received: 04/25/18 13:55

Lab Sample ID: 580-76830-27
Matrix: Solid
Percent Solids: 64.4

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-197	ND		0.0096	0.0012	ng/g	☼	05/08/18 09:58	05/18/18 20:56	1
PCB-198	**0.12**	**C**	0.019	0.0016	ng/g	☼	05/08/18 09:58	05/18/18 20:56	1
PCB-199	**0.12**	**C198**	0.019	0.0016	ng/g	☼	05/08/18 09:58	05/18/18 20:56	1
PCB-200	**0.011**	**q**	0.0096	0.0011	ng/g	☼	05/08/18 09:58	05/18/18 20:56	1
PCB-201	**0.013**		0.0096	0.0011	ng/g	☼	05/08/18 09:58	05/18/18 20:56	1
PCB-202	**0.031**		0.0096	0.0012	ng/g	☼	05/08/18 09:58	05/18/18 20:56	1
PCB-203	**0.076**		0.0096	0.0014	ng/g	☼	05/08/18 09:58	05/18/18 20:56	1
PCB-204	ND		0.0096	0.0012	ng/g	☼	05/08/18 09:58	05/18/18 20:56	1
PCB-205	ND		0.0096	0.0027	ng/g	☼	05/08/18 09:58	05/18/18 20:56	1
PCB-206	**0.079**		0.0096	0.0034	ng/g	☼	05/08/18 09:58	05/18/18 20:56	1
PCB-207	ND		0.0096	0.0024	ng/g	☼	05/08/18 09:58	05/18/18 20:56	1
PCB-208	ND		0.0096	0.0024	ng/g	☼	05/08/18 09:58	05/18/18 20:56	1
PCB-209	**0.051**		0.0096	0.00061	ng/g	☼	05/08/18 09:58	05/18/18 20:56	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
PCB-1L	*80*		*30 - 140*	*05/08/18 09:58*	*05/18/18 20:56*	*1*
PCB-3L	*85*		*30 - 140*	*05/08/18 09:58*	*05/18/18 20:56*	*1*
PCB-4L	*70*		*30 - 140*	*05/08/18 09:58*	*05/18/18 20:56*	*1*
PCB-15L	*85*		*30 - 140*	*05/08/18 09:58*	*05/18/18 20:56*	*1*
PCB-19L	*87*		*30 - 140*	*05/08/18 09:58*	*05/18/18 20:56*	*1*
PCB-37L	*83*		*30 - 140*	*05/08/18 09:58*	*05/18/18 20:56*	*1*
PCB-54L	*72*		*30 - 140*	*05/08/18 09:58*	*05/18/18 20:56*	*1*
PCB-77L	*84*		*30 - 140*	*05/08/18 09:58*	*05/18/18 20:56*	*1*
PCB-81L	*85*		*30 - 140*	*05/08/18 09:58*	*05/18/18 20:56*	*1*
PCB-104L	*84*		*30 - 140*	*05/08/18 09:58*	*05/18/18 20:56*	*1*
PCB-105L	*97*		*30 - 140*	*05/08/18 09:58*	*05/18/18 20:56*	*1*
PCB-114L	*95*		*30 - 140*	*05/08/18 09:58*	*05/18/18 20:56*	*1*
PCB-118L	*93*		*30 - 140*	*05/08/18 09:58*	*05/18/18 20:56*	*1*
PCB-123L	*94*		*30 - 140*	*05/08/18 09:58*	*05/18/18 20:56*	*1*
PCB-126L	*77*		*30 - 140*	*05/08/18 09:58*	*05/18/18 20:56*	*1*
PCB-155L	*73*		*30 - 140*	*05/08/18 09:58*	*05/18/18 20:56*	*1*
PCB-156L	*65*	*C*	*30 - 140*	*05/08/18 09:58*	*05/18/18 20:56*	*1*
PCB-157L	*65*	*C156*	*30 - 140*	*05/08/18 09:58*	*05/18/18 20:56*	*1*
PCB-167L	*64*		*30 - 140*	*05/08/18 09:58*	*05/18/18 20:56*	*1*
PCB-169L	*79*		*30 - 140*	*05/08/18 09:58*	*05/18/18 20:56*	*1*
PCB-170L	*88*		*30 - 140*	*05/08/18 09:58*	*05/18/18 20:56*	*1*
PCB-188L	*141*	*	*30 - 140*	*05/08/18 09:58*	*05/18/18 20:56*	*1*
PCB-189L	*96*		*30 - 140*	*05/08/18 09:58*	*05/18/18 20:56*	*1*
PCB-202L	*94*		*30 - 140*	*05/08/18 09:58*	*05/18/18 20:56*	*1*
PCB-205L	*65*		*30 - 140*	*05/08/18 09:58*	*05/18/18 20:56*	*1*
PCB-206L	*75*		*30 - 140*	*05/08/18 09:58*	*05/18/18 20:56*	*1*
PCB-208L	*78*		*30 - 140*	*05/08/18 09:58*	*05/18/18 20:56*	*1*
PCB-209L	*66*		*30 - 140*	*05/08/18 09:58*	*05/18/18 20:56*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
PCB-28L	*89*		*40 - 125*	*05/08/18 09:58*	*05/18/18 20:56*	*1*
PCB-111L	*89*		*40 - 125*	*05/08/18 09:58*	*05/18/18 20:56*	*1*
PCB-178L	*91*		*40 - 125*	*05/08/18 09:58*	*05/18/18 20:56*	*1*

Client Sample ID: PDI-SG-B243-BL1
Date Collected: 04/20/18 17:40
Date Received: 04/25/18 13:55

Lab Sample ID: 580-76830-29
Matrix: Solid
Percent Solids: 49.0

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1	0.011	B	0.0099	0.00031	ng/g	☼	05/08/18 09:58	05/18/18 02:34	1
PCB-2	0.014	B	0.0099	0.00032	ng/g	☼	05/08/18 09:58	05/18/18 02:34	1
PCB-3	0.0097	J B	0.0099	0.00032	ng/g	☼	05/08/18 09:58	05/18/18 02:34	1
PCB-4	0.030		0.020	0.0028	ng/g	☼	05/08/18 09:58	05/18/18 02:34	1
PCB-5	ND		0.0099	0.0023	ng/g	☼	05/08/18 09:58	05/18/18 02:34	1
PCB-6	0.0056	J q	0.0099	0.0021	ng/g	☼	05/08/18 09:58	05/18/18 02:34	1
PCB-7	0.0022	J q	0.0099	0.0021	ng/g	☼	05/08/18 09:58	05/18/18 02:34	1
PCB-8	0.025	q	0.020	0.0019	ng/g	☼	05/08/18 09:58	05/18/18 02:34	1
PCB-9	0.0024	J q	0.0099	0.0022	ng/g	☼	05/08/18 09:58	05/18/18 02:34	1
PCB-10	ND		0.0099	0.0023	ng/g	☼	05/08/18 09:58	05/18/18 02:34	1
PCB-11	0.063		0.020	0.0020	ng/g	☼	05/08/18 09:58	05/18/18 02:34	1
PCB-12	0.0041	J q C	0.020	0.0021	ng/g	☼	05/08/18 09:58	05/18/18 02:34	1
PCB-13	0.0041	J q C12	0.020	0.0021	ng/g	☼	05/08/18 09:58	05/18/18 02:34	1
PCB-14	ND		0.0099	0.0018	ng/g	☼	05/08/18 09:58	05/18/18 02:34	1
PCB-15	0.020	q	0.0099	0.0022	ng/g	☼	05/08/18 09:58	05/18/18 02:34	1
PCB-16	0.013	q	0.0099	0.00048	ng/g	☼	05/08/18 09:58	05/18/18 02:34	1
PCB-17	0.030		0.0099	0.00043	ng/g	☼	05/08/18 09:58	05/18/18 02:34	1
PCB-18	0.050	C	0.020	0.00038	ng/g	☼	05/08/18 09:58	05/18/18 02:34	1
PCB-19	0.027	q	0.0099	0.00053	ng/g	☼	05/08/18 09:58	05/18/18 02:34	1
PCB-20	0.091	C	0.020	0.0011	ng/g	☼	05/08/18 09:58	05/18/18 02:34	1
PCB-21	0.033	C	0.020	0.0010	ng/g	☼	05/08/18 09:58	05/18/18 02:34	1
PCB-22	0.023		0.0099	0.0011	ng/g	☼	05/08/18 09:58	05/18/18 02:34	1
PCB-23	ND		0.0099	0.0011	ng/g	☼	05/08/18 09:58	05/18/18 02:34	1
PCB-24	0.0012	J q	0.0099	0.00036	ng/g	☼	05/08/18 09:58	05/18/18 02:34	1
PCB-25	0.0077	J q	0.0099	0.00098	ng/g	☼	05/08/18 09:58	05/18/18 02:34	1
PCB-26	0.016	J C	0.020	0.0010	ng/g	☼	05/08/18 09:58	05/18/18 02:34	1
PCB-27	0.0064	J	0.0099	0.00032	ng/g	☼	05/08/18 09:58	05/18/18 02:34	1
PCB-28	0.091	C20	0.020	0.0011	ng/g	☼	05/08/18 09:58	05/18/18 02:34	1
PCB-29	0.016	J C26	0.020	0.0010	ng/g	☼	05/08/18 09:58	05/18/18 02:34	1
PCB-30	0.050	C18	0.020	0.00038	ng/g	☼	05/08/18 09:58	05/18/18 02:34	1
PCB-31	0.067		0.020	0.0010	ng/g	☼	05/08/18 09:58	05/18/18 02:34	1
PCB-32	0.018	B	0.0099	0.00030	ng/g	☼	05/08/18 09:58	05/18/18 02:34	1
PCB-33	0.033	C21	0.020	0.0010	ng/g	☼	05/08/18 09:58	05/18/18 02:34	1
PCB-34	ND		0.0099	0.0011	ng/g	☼	05/08/18 09:58	05/18/18 02:34	1
PCB-35	0.0022	J q	0.0099	0.0011	ng/g	☼	05/08/18 09:58	05/18/18 02:34	1
PCB-36	ND		0.0099	0.0010	ng/g	☼	05/08/18 09:58	05/18/18 02:34	1
PCB-37	0.026		0.0099	0.0011	ng/g	☼	05/08/18 09:58	05/18/18 02:34	1
PCB-38	ND		0.0099	0.0011	ng/g	☼	05/08/18 09:58	05/18/18 02:34	1
PCB-39	ND		0.0099	0.0010	ng/g	☼	05/08/18 09:58	05/18/18 02:34	1
PCB-40	0.077	C	0.030	0.0019	ng/g	☼	05/08/18 09:58	05/18/18 02:34	1
PCB-41	0.077	C40	0.030	0.0019	ng/g	☼	05/08/18 09:58	05/18/18 02:34	1
PCB-42	0.033		0.0099	0.0019	ng/g	☼	05/08/18 09:58	05/18/18 02:34	1
PCB-43	ND	C	0.020	0.0018	ng/g	☼	05/08/18 09:58	05/18/18 02:34	1
PCB-44	0.21	C B	0.030	0.0017	ng/g	☼	05/08/18 09:58	05/18/18 02:34	1
PCB-45	0.031	q C	0.020	0.0020	ng/g	☼	05/08/18 09:58	05/18/18 02:34	1
PCB-46	0.0056	J q	0.0099	0.0024	ng/g	☼	05/08/18 09:58	05/18/18 02:34	1
PCB-47	0.21	C44 B	0.030	0.0017	ng/g	☼	05/08/18 09:58	05/18/18 02:34	1
PCB-48	0.014	q	0.0099	0.0019	ng/g	☼	05/08/18 09:58	05/18/18 02:34	1
PCB-49	0.14	C	0.020	0.0015	ng/g	☼	05/08/18 09:58	05/18/18 02:34	1

Client Sample ID: PDI-SG-B243-BL1
Date Collected: 04/20/18 17:40
Date Received: 04/25/18 13:55

Lab Sample ID: 580-76830-29
Matrix: Solid
Percent Solids: 49.0

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-50	0.047	C	0.020	0.0018	ng/g	☼	05/08/18 09:58	05/18/18 02:34	1
PCB-51	0.031	q C45	0.020	0.0020	ng/g	☼	05/08/18 09:58	05/18/18 02:34	1
PCB-52	0.30		0.0099	0.0019	ng/g	☼	05/08/18 09:58	05/18/18 02:34	1
PCB-53	0.047	C50	0.020	0.0018	ng/g	☼	05/08/18 09:58	05/18/18 02:34	1
PCB-54	0.0068	J	0.0099	0.000056	ng/g	☼	05/08/18 09:58	05/18/18 02:34	1
PCB-55	ND		0.0099	0.0014	ng/g	☼	05/08/18 09:58	05/18/18 02:34	1
PCB-56	0.059		0.0099	0.0014	ng/g	☼	05/08/18 09:58	05/18/18 02:34	1
PCB-57	ND		0.0099	0.0014	ng/g	☼	05/08/18 09:58	05/18/18 02:34	1
PCB-58	ND		0.0099	0.0014	ng/g	☼	05/08/18 09:58	05/18/18 02:34	1
PCB-59	0.0073	J q C	0.030	0.0013	ng/g	☼	05/08/18 09:58	05/18/18 02:34	1
PCB-60	0.015	q	0.0099	0.0014	ng/g	☼	05/08/18 09:58	05/18/18 02:34	1
PCB-61	0.30	C	0.039	0.0013	ng/g	☼	05/08/18 09:58	05/18/18 02:34	1
PCB-62	0.0073	J q C59	0.030	0.0013	ng/g	☼	05/08/18 09:58	05/18/18 02:34	1
PCB-63	0.0067	J	0.0099	0.0013	ng/g	☼	05/08/18 09:58	05/18/18 02:34	1
PCB-64	0.055		0.0099	0.0013	ng/g	☼	05/08/18 09:58	05/18/18 02:34	1
PCB-65	0.21	C44 B	0.030	0.0017	ng/g	☼	05/08/18 09:58	05/18/18 02:34	1
PCB-66	0.16	B	0.0099	0.0013	ng/g	☼	05/08/18 09:58	05/18/18 02:34	1
PCB-67	0.0025	J q	0.0099	0.0012	ng/g	☼	05/08/18 09:58	05/18/18 02:34	1
PCB-68	ND		0.0099	0.0012	ng/g	☼	05/08/18 09:58	05/18/18 02:34	1
PCB-69	0.14	C49	0.020	0.0015	ng/g	☼	05/08/18 09:58	05/18/18 02:34	1
PCB-70	0.30	C61	0.039	0.0013	ng/g	☼	05/08/18 09:58	05/18/18 02:34	1
PCB-71	0.077	C40	0.030	0.0019	ng/g	☼	05/08/18 09:58	05/18/18 02:34	1
PCB-72	ND		0.0099	0.0014	ng/g	☼	05/08/18 09:58	05/18/18 02:34	1
PCB-73	ND	C43	0.020	0.0018	ng/g	☼	05/08/18 09:58	05/18/18 02:34	1
PCB-74	0.30	C61	0.039	0.0013	ng/g	☼	05/08/18 09:58	05/18/18 02:34	1
PCB-75	0.0073	J q C59	0.030	0.0013	ng/g	☼	05/08/18 09:58	05/18/18 02:34	1
PCB-76	0.30	C61	0.039	0.0013	ng/g	☼	05/08/18 09:58	05/18/18 02:34	1
PCB-77	0.014		0.0099	0.0013	ng/g	☼	05/08/18 09:58	05/18/18 02:34	1
PCB-78	ND		0.0099	0.0014	ng/g	☼	05/08/18 09:58	05/18/18 02:34	1
PCB-79	0.0031	J	0.0099	0.0012	ng/g	☼	05/08/18 09:58	05/18/18 02:34	1
PCB-80	ND		0.0099	0.0012	ng/g	☼	05/08/18 09:58	05/18/18 02:34	1
PCB-81	ND		0.0099	0.0013	ng/g	☼	05/08/18 09:58	05/18/18 02:34	1
PCB-82	0.046		0.0099	0.00041	ng/g	☼	05/08/18 09:58	05/18/18 02:34	1
PCB-83	0.33	C	0.020	0.00038	ng/g	☼	05/08/18 09:58	05/18/18 02:34	1
PCB-84	0.13		0.0099	0.00042	ng/g	☼	05/08/18 09:58	05/18/18 02:34	1
PCB-85	0.077	C	0.030	0.00031	ng/g	☼	05/08/18 09:58	05/18/18 02:34	1
PCB-86	0.30	C	0.059	0.00031	ng/g	☼	05/08/18 09:58	05/18/18 02:34	1
PCB-87	0.30	C86	0.059	0.00031	ng/g	☼	05/08/18 09:58	05/18/18 02:34	1
PCB-88	0.093	C	0.020	0.00037	ng/g	☼	05/08/18 09:58	05/18/18 02:34	1
PCB-89	ND		0.0099	0.00040	ng/g	☼	05/08/18 09:58	05/18/18 02:34	1
PCB-90	0.56	C	0.030	0.00031	ng/g	☼	05/08/18 09:58	05/18/18 02:34	1
PCB-91	0.093	C88	0.020	0.00037	ng/g	☼	05/08/18 09:58	05/18/18 02:34	1
PCB-92	0.089		0.0099	0.00035	ng/g	☼	05/08/18 09:58	05/18/18 02:34	1
PCB-93	0.012	J q C	0.020	0.00036	ng/g	☼	05/08/18 09:58	05/18/18 02:34	1
PCB-94	0.011	q	0.0099	0.00040	ng/g	☼	05/08/18 09:58	05/18/18 02:34	1
PCB-95	0.34		0.0099	0.00039	ng/g	☼	05/08/18 09:58	05/18/18 02:34	1
PCB-96	ND		0.0099	0.00031	ng/g	☼	05/08/18 09:58	05/18/18 02:34	1
PCB-97	0.30	C86	0.059	0.00031	ng/g	☼	05/08/18 09:58	05/18/18 02:34	1
PCB-98	0.017	J C	0.020	0.00035	ng/g	☼	05/08/18 09:58	05/18/18 02:34	1

Client Sample ID: PDI-SG-B243-BL1
Date Collected: 04/20/18 17:40
Date Received: 04/25/18 13:55

Lab Sample ID: 580-76830-29
Matrix: Solid
Percent Solids: 49.0

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-99	0.33	C83	0.020	0.00038	ng/g	☼	05/08/18 09:58	05/18/18 02:34	1
PCB-100	0.012	J q C93	0.020	0.00036	ng/g	☼	05/08/18 09:58	05/18/18 02:34	1
PCB-101	0.56	C90	0.030	0.00031	ng/g	☼	05/08/18 09:58	05/18/18 02:34	1
PCB-102	0.017	J C98	0.020	0.00035	ng/g	☼	05/08/18 09:58	05/18/18 02:34	1
PCB-103	0.0023	J q	0.0099	0.00036	ng/g	☼	05/08/18 09:58	05/18/18 02:34	1
PCB-104	ND		0.0099	0.00027	ng/g	☼	05/08/18 09:58	05/18/18 02:34	1
PCB-105	0.14		0.0099	0.0016	ng/g	☼	05/08/18 09:58	05/18/18 02:34	1
PCB-106	ND		0.0099	0.0016	ng/g	☼	05/08/18 09:58	05/18/18 02:34	1
PCB-107	0.040		0.0099	0.0017	ng/g	☼	05/08/18 09:58	05/18/18 02:34	1
PCB-108	0.016	J C	0.020	0.0016	ng/g	☼	05/08/18 09:58	05/18/18 02:34	1
PCB-109	0.30	C86	0.059	0.00031	ng/g	☼	05/08/18 09:58	05/18/18 02:34	1
PCB-110	0.62	C	0.020	0.00026	ng/g	☼	05/08/18 09:58	05/18/18 02:34	1
PCB-111	ND		0.0099	0.00025	ng/g	☼	05/08/18 09:58	05/18/18 02:34	1
PCB-112	ND		0.0099	0.00027	ng/g	☼	05/08/18 09:58	05/18/18 02:34	1
PCB-113	0.56	C90	0.030	0.00031	ng/g	☼	05/08/18 09:58	05/18/18 02:34	1
PCB-114	0.0065	J	0.0099	0.0014	ng/g	☼	05/08/18 09:58	05/18/18 02:34	1
PCB-115	0.62	C110	0.020	0.00026	ng/g	☼	05/08/18 09:58	05/18/18 02:34	1
PCB-116	0.077	C85	0.030	0.00031	ng/g	☼	05/08/18 09:58	05/18/18 02:34	1
PCB-117	0.077	C85	0.030	0.00031	ng/g	☼	05/08/18 09:58	05/18/18 02:34	1
PCB-118	0.42		0.0099	0.0013	ng/g	☼	05/08/18 09:58	05/18/18 02:34	1
PCB-119	0.30	C86	0.059	0.00031	ng/g	☼	05/08/18 09:58	05/18/18 02:34	1
PCB-120	0.0045	J	0.0099	0.00026	ng/g	☼	05/08/18 09:58	05/18/18 02:34	1
PCB-121	ND		0.0099	0.00026	ng/g	☼	05/08/18 09:58	05/18/18 02:34	1
PCB-122	0.0058	J	0.0099	0.0018	ng/g	☼	05/08/18 09:58	05/18/18 02:34	1
PCB-123	0.0086	J	0.0099	0.0016	ng/g	☼	05/08/18 09:58	05/18/18 02:34	1
PCB-124	0.016	J C108	0.020	0.0016	ng/g	☼	05/08/18 09:58	05/18/18 02:34	1
PCB-125	0.30	C86	0.059	0.00031	ng/g	☼	05/08/18 09:58	05/18/18 02:34	1
PCB-126	ND		0.0099	0.0019	ng/g	☼	05/08/18 09:58	05/18/18 02:34	1
PCB-127	ND		0.0099	0.0016	ng/g	☼	05/08/18 09:58	05/18/18 02:34	1
PCB-128	0.14	C	0.020	0.0030	ng/g	☼	05/08/18 09:58	05/18/18 02:34	1
PCB-129	1.1	C B	0.039	0.0031	ng/g	☼	05/08/18 09:58	05/18/18 02:34	1
PCB-130	0.069		0.0099	0.0041	ng/g	☼	05/08/18 09:58	05/18/18 02:34	1
PCB-131	0.010		0.0099	0.0042	ng/g	☼	05/08/18 09:58	05/18/18 02:34	1
PCB-132	0.36		0.0099	0.0040	ng/g	☼	05/08/18 09:58	05/18/18 02:34	1
PCB-133	0.021		0.0099	0.0038	ng/g	☼	05/08/18 09:58	05/18/18 02:34	1
PCB-134	0.046	q C	0.020	0.0040	ng/g	☼	05/08/18 09:58	05/18/18 02:34	1
PCB-135	0.36	C	0.020	0.00030	ng/g	☼	05/08/18 09:58	05/18/18 02:34	1
PCB-136	0.12		0.0099	0.00022	ng/g	☼	05/08/18 09:58	05/18/18 02:34	1
PCB-137	0.041		0.0099	0.0035	ng/g	☼	05/08/18 09:58	05/18/18 02:34	1
PCB-138	1.1	C129 B	0.039	0.0031	ng/g	☼	05/08/18 09:58	05/18/18 02:34	1
PCB-139	0.016	J C	0.020	0.0034	ng/g	☼	05/08/18 09:58	05/18/18 02:34	1
PCB-140	0.016	J C139	0.020	0.0034	ng/g	☼	05/08/18 09:58	05/18/18 02:34	1
PCB-141	0.19		0.0099	0.0036	ng/g	☼	05/08/18 09:58	05/18/18 02:34	1
PCB-142	ND		0.0099	0.0038	ng/g	☼	05/08/18 09:58	05/18/18 02:34	1
PCB-143	0.046	q C134	0.020	0.0040	ng/g	☼	05/08/18 09:58	05/18/18 02:34	1
PCB-144	0.030	q	0.0099	0.00027	ng/g	☼	05/08/18 09:58	05/18/18 02:34	1
PCB-145	ND		0.0099	0.00021	ng/g	☼	05/08/18 09:58	05/18/18 02:34	1
PCB-146	0.20		0.0099	0.0034	ng/g	☼	05/08/18 09:58	05/18/18 02:34	1
PCB-147	1.0	C	0.020	0.0039	ng/g	☼	05/08/18 09:58	05/18/18 02:34	1

Client Sample ID: PDI-SG-B243-BL1
Date Collected: 04/20/18 17:40
Date Received: 04/25/18 13:55

Lab Sample ID: 580-76830-29
Matrix: Solid
Percent Solids: 49.0

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-148	0.0034	J	0.0099	0.00029	ng/g	☼	05/08/18 09:58	05/18/18 02:34	1
PCB-149	1.0	C147	0.020	0.0039	ng/g	☼	05/08/18 09:58	05/18/18 02:34	1
PCB-150	0.0022	J	0.0099	0.00020	ng/g	☼	05/08/18 09:58	05/18/18 02:34	1
PCB-151	0.36	C135	0.020	0.00030	ng/g	☼	05/08/18 09:58	05/18/18 02:34	1
PCB-152	0.00088	J q	0.0099	0.00021	ng/g	☼	05/08/18 09:58	05/18/18 02:34	1
PCB-153	0.95	C	0.020	0.0027	ng/g	☼	05/08/18 09:58	05/18/18 02:34	1
PCB-154	0.019		0.0099	0.00024	ng/g	☼	05/08/18 09:58	05/18/18 02:34	1
PCB-155	ND		0.0099	0.00020	ng/g	☼	05/08/18 09:58	05/18/18 02:34	1
PCB-156	0.084	C B	0.020	0.0033	ng/g	☼	05/08/18 09:58	05/18/18 02:34	1
PCB-157	0.084	C156 B	0.020	0.0033	ng/g	☼	05/08/18 09:58	05/18/18 02:34	1
PCB-158	0.090		0.0099	0.0024	ng/g	☼	05/08/18 09:58	05/18/18 02:34	1
PCB-159	0.0080	J	0.0099	0.0026	ng/g	☼	05/08/18 09:58	05/18/18 02:34	1
PCB-160	1.1	C129 B	0.039	0.0031	ng/g	☼	05/08/18 09:58	05/18/18 02:34	1
PCB-161	ND		0.0099	0.0025	ng/g	☼	05/08/18 09:58	05/18/18 02:34	1
PCB-162	ND		0.0099	0.0025	ng/g	☼	05/08/18 09:58	05/18/18 02:34	1
PCB-163	1.1	C129 B	0.039	0.0031	ng/g	☼	05/08/18 09:58	05/18/18 02:34	1
PCB-164	0.080		0.0099	0.0027	ng/g	☼	05/08/18 09:58	05/18/18 02:34	1
PCB-165	ND		0.0099	0.0029	ng/g	☼	05/08/18 09:58	05/18/18 02:34	1
PCB-166	0.14	C128	0.020	0.0030	ng/g	☼	05/08/18 09:58	05/18/18 02:34	1
PCB-167	0.033		0.0099	0.0020	ng/g	☼	05/08/18 09:58	05/18/18 02:34	1
PCB-168	0.95	C153	0.020	0.0027	ng/g	☼	05/08/18 09:58	05/18/18 02:34	1
PCB-169	ND		0.0099	0.0019	ng/g	☼	05/08/18 09:58	05/18/18 02:34	1
PCB-170	0.28		0.0099	0.00069	ng/g	☼	05/08/18 09:58	05/18/18 02:34	1
PCB-171	0.081	C	0.020	0.00060	ng/g	☼	05/08/18 09:58	05/18/18 02:34	1
PCB-172	0.044		0.0099	0.00059	ng/g	☼	05/08/18 09:58	05/18/18 02:34	1
PCB-173	0.081	C171	0.020	0.00060	ng/g	☼	05/08/18 09:58	05/18/18 02:34	1
PCB-174	0.27		0.0099	0.00055	ng/g	☼	05/08/18 09:58	05/18/18 02:34	1
PCB-175	0.0087	J	0.0099	0.00054	ng/g	☼	05/08/18 09:58	05/18/18 02:34	1
PCB-176	0.036		0.0099	0.00041	ng/g	☼	05/08/18 09:58	05/18/18 02:34	1
PCB-177	0.16		0.0099	0.00057	ng/g	☼	05/08/18 09:58	05/18/18 02:34	1
PCB-178	0.074		0.0099	0.00058	ng/g	☼	05/08/18 09:58	05/18/18 02:34	1
PCB-179	0.16		0.0099	0.00043	ng/g	☼	05/08/18 09:58	05/18/18 02:34	1
PCB-180	0.57	C	0.020	0.00045	ng/g	☼	05/08/18 09:58	05/18/18 02:34	1
PCB-181	ND		0.0099	0.00054	ng/g	☼	05/08/18 09:58	05/18/18 02:34	1
PCB-182	0.0040	J q	0.0099	0.00052	ng/g	☼	05/08/18 09:58	05/18/18 02:34	1
PCB-183	0.19	C	0.020	0.00053	ng/g	☼	05/08/18 09:58	05/18/18 02:34	1
PCB-184	ND		0.0099	0.00044	ng/g	☼	05/08/18 09:58	05/18/18 02:34	1
PCB-185	0.19	C183	0.020	0.00053	ng/g	☼	05/08/18 09:58	05/18/18 02:34	1
PCB-186	ND		0.0099	0.00043	ng/g	☼	05/08/18 09:58	05/18/18 02:34	1
PCB-187	0.40		0.0099	0.00050	ng/g	☼	05/08/18 09:58	05/18/18 02:34	1
PCB-188	ND		0.0099	0.00036	ng/g	☼	05/08/18 09:58	05/18/18 02:34	1
PCB-189	0.0072	J	0.0099	0.0018	ng/g	☼	05/08/18 09:58	05/18/18 02:34	1
PCB-190	0.045	B	0.0099	0.00039	ng/g	☼	05/08/18 09:58	05/18/18 02:34	1
PCB-191	0.0079	J q	0.0099	0.00040	ng/g	☼	05/08/18 09:58	05/18/18 02:34	1
PCB-192	ND		0.0099	0.00045	ng/g	☼	05/08/18 09:58	05/18/18 02:34	1
PCB-193	0.57	C180	0.020	0.00045	ng/g	☼	05/08/18 09:58	05/18/18 02:34	1
PCB-194	0.16		0.0099	0.0016	ng/g	☼	05/08/18 09:58	05/18/18 02:34	1
PCB-195	0.069		0.0099	0.0017	ng/g	☼	05/08/18 09:58	05/18/18 02:34	1
PCB-196	0.067		0.0099	0.00044	ng/g	☼	05/08/18 09:58	05/18/18 02:34	1

Client Sample ID: PDI-SG-B243-BL1
Date Collected: 04/20/18 17:40
Date Received: 04/25/18 13:55

Lab Sample ID: 580-76830-29
Matrix: Solid
Percent Solids: 49.0

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-197	0.0025	J q	0.0099	0.00033	ng/g	☼	05/08/18 09:58	05/18/18 02:34	1
PCB-198	0.18	C	0.020	0.00044	ng/g	☼	05/08/18 09:58	05/18/18 02:34	1
PCB-199	0.18	C198	0.020	0.00044	ng/g	☼	05/08/18 09:58	05/18/18 02:34	1
PCB-200	0.017		0.0099	0.00030	ng/g	☼	05/08/18 09:58	05/18/18 02:34	1
PCB-201	0.013		0.0099	0.00030	ng/g	☼	05/08/18 09:58	05/18/18 02:34	1
PCB-202	0.036		0.0099	0.00034	ng/g	☼	05/08/18 09:58	05/18/18 02:34	1
PCB-203	0.10		0.0099	0.00039	ng/g	☼	05/08/18 09:58	05/18/18 02:34	1
PCB-204	ND		0.0099	0.00033	ng/g	☼	05/08/18 09:58	05/18/18 02:34	1
PCB-205	0.0079	J	0.0099	0.0013	ng/g	☼	05/08/18 09:58	05/18/18 02:34	1
PCB-206	0.14		0.0099	0.0018	ng/g	☼	05/08/18 09:58	05/18/18 02:34	1
PCB-207	0.012	q	0.0099	0.0012	ng/g	☼	05/08/18 09:58	05/18/18 02:34	1
PCB-208	0.046		0.0099	0.0012	ng/g	☼	05/08/18 09:58	05/18/18 02:34	1
PCB-209	0.15		0.0099	0.00049	ng/g	☼	05/08/18 09:58	05/18/18 02:34	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
PCB-1L	*62*		*30 - 140*	*05/08/18 09:58*	*05/18/18 02:34*	*1*
PCB-3L	*67*		*30 - 140*	*05/08/18 09:58*	*05/18/18 02:34*	*1*
PCB-4L	*77*		*30 - 140*	*05/08/18 09:58*	*05/18/18 02:34*	*1*
PCB-15L	*78*		*30 - 140*	*05/08/18 09:58*	*05/18/18 02:34*	*1*
PCB-19L	*99*		*30 - 140*	*05/08/18 09:58*	*05/18/18 02:34*	*1*
PCB-37L	*86*		*30 - 140*	*05/08/18 09:58*	*05/18/18 02:34*	*1*
PCB-54L	*89*		*30 - 140*	*05/08/18 09:58*	*05/18/18 02:34*	*1*
PCB-77L	*80*		*30 - 140*	*05/08/18 09:58*	*05/18/18 02:34*	*1*
PCB-81L	*81*		*30 - 140*	*05/08/18 09:58*	*05/18/18 02:34*	*1*
PCB-104L	*87*		*30 - 140*	*05/08/18 09:58*	*05/18/18 02:34*	*1*
PCB-105L	*90*		*30 - 140*	*05/08/18 09:58*	*05/18/18 02:34*	*1*
PCB-114L	*103*		*30 - 140*	*05/08/18 09:58*	*05/18/18 02:34*	*1*
PCB-118L	*103*		*30 - 140*	*05/08/18 09:58*	*05/18/18 02:34*	*1*
PCB-123L	*92*		*30 - 140*	*05/08/18 09:58*	*05/18/18 02:34*	*1*
PCB-126L	*78*		*30 - 140*	*05/08/18 09:58*	*05/18/18 02:34*	*1*
PCB-155L	*91*		*30 - 140*	*05/08/18 09:58*	*05/18/18 02:34*	*1*
PCB-156L	*80*	*C*	*30 - 140*	*05/08/18 09:58*	*05/18/18 02:34*	*1*
PCB-157L	*80*	*C156*	*30 - 140*	*05/08/18 09:58*	*05/18/18 02:34*	*1*
PCB-167L	*84*		*30 - 140*	*05/08/18 09:58*	*05/18/18 02:34*	*1*
PCB-169L	*87*		*30 - 140*	*05/08/18 09:58*	*05/18/18 02:34*	*1*
PCB-170L	*84*		*30 - 140*	*05/08/18 09:58*	*05/18/18 02:34*	*1*
PCB-188L	*101*		*30 - 140*	*05/08/18 09:58*	*05/18/18 02:34*	*1*
PCB-189L	*80*		*30 - 140*	*05/08/18 09:58*	*05/18/18 02:34*	*1*
PCB-202L	*109*		*30 - 140*	*05/08/18 09:58*	*05/18/18 02:34*	*1*
PCB-205L	*73*		*30 - 140*	*05/08/18 09:58*	*05/18/18 02:34*	*1*
PCB-206L	*83*		*30 - 140*	*05/08/18 09:58*	*05/18/18 02:34*	*1*
PCB-208L	*89*		*30 - 140*	*05/08/18 09:58*	*05/18/18 02:34*	*1*
PCB-209L	*82*		*30 - 140*	*05/08/18 09:58*	*05/18/18 02:34*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
PCB-28L	*94*		*40 - 125*	*05/08/18 09:58*	*05/18/18 02:34*	*1*
PCB-111L	*89*		*40 - 125*	*05/08/18 09:58*	*05/18/18 02:34*	*1*
PCB-178L	*100*		*40 - 125*	*05/08/18 09:58*	*05/18/18 02:34*	*1*

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

Lab Sample ID: MB 140-20049/16-B
Matrix: Solid
Analysis Batch: 20286

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 20049

Analyte	MB Result	MB Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1	ND		0.010	0.00018	ng/g		05/03/18 12:25	05/13/18 14:34	1
PCB-2	0.000715	J q	0.010	0.00023	ng/g		05/03/18 12:25	05/13/18 14:34	1
PCB-3	ND		0.010	0.00028	ng/g		05/03/18 12:25	05/13/18 14:34	1
PCB-4	ND		0.020	0.0039	ng/g		05/03/18 12:25	05/13/18 14:34	1
PCB-5	ND		0.010	0.0033	ng/g		05/03/18 12:25	05/13/18 14:34	1
PCB-6	ND		0.010	0.0029	ng/g		05/03/18 12:25	05/13/18 14:34	1
PCB-7	ND		0.010	0.0029	ng/g		05/03/18 12:25	05/13/18 14:34	1
PCB-8	ND		0.020	0.0027	ng/g		05/03/18 12:25	05/13/18 14:34	1
PCB-9	ND		0.010	0.0030	ng/g		05/03/18 12:25	05/13/18 14:34	1
PCB-10	ND		0.010	0.0032	ng/g		05/03/18 12:25	05/13/18 14:34	1
PCB-11	0.00446	J	0.020	0.0028	ng/g		05/03/18 12:25	05/13/18 14:34	1
PCB-12	ND	C	0.020	0.0029	ng/g		05/03/18 12:25	05/13/18 14:34	1
PCB-13	ND	C12	0.020	0.0029	ng/g		05/03/18 12:25	05/13/18 14:34	1
PCB-14	ND		0.010	0.0025	ng/g		05/03/18 12:25	05/13/18 14:34	1
PCB-15	ND		0.010	0.0031	ng/g		05/03/18 12:25	05/13/18 14:34	1
PCB-16	ND		0.010	0.00037	ng/g		05/03/18 12:25	05/13/18 14:34	1
PCB-17	ND		0.010	0.00033	ng/g		05/03/18 12:25	05/13/18 14:34	1
PCB-18	ND	C	0.020	0.00029	ng/g		05/03/18 12:25	05/13/18 14:34	1
PCB-19	ND		0.010	0.00040	ng/g		05/03/18 12:25	05/13/18 14:34	1
PCB-20	ND	C	0.020	0.00034	ng/g		05/03/18 12:25	05/13/18 14:34	1
PCB-21	ND	C	0.020	0.00033	ng/g		05/03/18 12:25	05/13/18 14:34	1
PCB-22	ND		0.010	0.00034	ng/g		05/03/18 12:25	05/13/18 14:34	1
PCB-23	ND		0.010	0.00034	ng/g		05/03/18 12:25	05/13/18 14:34	1
PCB-24	ND		0.010	0.00028	ng/g		05/03/18 12:25	05/13/18 14:34	1
PCB-25	ND		0.010	0.00031	ng/g		05/03/18 12:25	05/13/18 14:34	1
PCB-26	ND	C	0.020	0.00033	ng/g		05/03/18 12:25	05/13/18 14:34	1
PCB-27	ND		0.010	0.00024	ng/g		05/03/18 12:25	05/13/18 14:34	1
PCB-28	ND	C20	0.020	0.00034	ng/g		05/03/18 12:25	05/13/18 14:34	1
PCB-29	ND	C26	0.020	0.00033	ng/g		05/03/18 12:25	05/13/18 14:34	1
PCB-30	ND	C18	0.020	0.00029	ng/g		05/03/18 12:25	05/13/18 14:34	1
PCB-31	ND		0.020	0.00033	ng/g		05/03/18 12:25	05/13/18 14:34	1
PCB-32	ND		0.010	0.00023	ng/g		05/03/18 12:25	05/13/18 14:34	1
PCB-33	ND	C21	0.020	0.00033	ng/g		05/03/18 12:25	05/13/18 14:34	1
PCB-34	ND		0.010	0.00035	ng/g		05/03/18 12:25	05/13/18 14:34	1
PCB-35	ND		0.010	0.00034	ng/g		05/03/18 12:25	05/13/18 14:34	1
PCB-36	ND		0.010	0.00033	ng/g		05/03/18 12:25	05/13/18 14:34	1
PCB-37	ND		0.010	0.00034	ng/g		05/03/18 12:25	05/13/18 14:34	1
PCB-38	ND		0.010	0.00036	ng/g		05/03/18 12:25	05/13/18 14:34	1
PCB-39	ND		0.010	0.00032	ng/g		05/03/18 12:25	05/13/18 14:34	1
PCB-40	ND	C	0.030	0.00051	ng/g		05/03/18 12:25	05/13/18 14:34	1
PCB-41	ND	C40	0.030	0.00051	ng/g		05/03/18 12:25	05/13/18 14:34	1
PCB-42	ND		0.010	0.00051	ng/g		05/03/18 12:25	05/13/18 14:34	1
PCB-43	ND	C	0.020	0.00048	ng/g		05/03/18 12:25	05/13/18 14:34	1
PCB-44	0.00184	J C	0.030	0.00045	ng/g		05/03/18 12:25	05/13/18 14:34	1
PCB-45	ND	C	0.020	0.00053	ng/g		05/03/18 12:25	05/13/18 14:34	1
PCB-46	ND		0.010	0.00065	ng/g		05/03/18 12:25	05/13/18 14:34	1
PCB-47	0.00184	J C44	0.030	0.00045	ng/g		05/03/18 12:25	05/13/18 14:34	1
PCB-48	ND		0.010	0.00051	ng/g		05/03/18 12:25	05/13/18 14:34	1

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

Lab Sample ID: MB 140-20049/16-B
Matrix: Solid
Analysis Batch: 20286

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 20049

Analyte	MB Result	MB Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-49	ND	C	0.020	0.00042	ng/g		05/03/18 12:25	05/13/18 14:34	1
PCB-50	ND	C	0.020	0.00049	ng/g		05/03/18 12:25	05/13/18 14:34	1
PCB-51	ND	C45	0.020	0.00053	ng/g		05/03/18 12:25	05/13/18 14:34	1
PCB-52	ND		0.010	0.00051	ng/g		05/03/18 12:25	05/13/18 14:34	1
PCB-53	ND	C50	0.020	0.00049	ng/g		05/03/18 12:25	05/13/18 14:34	1
PCB-54	ND		0.010	0.000064	ng/g		05/03/18 12:25	05/13/18 14:34	1
PCB-55	ND		0.010	0.00037	ng/g		05/03/18 12:25	05/13/18 14:34	1
PCB-56	ND		0.010	0.00037	ng/g		05/03/18 12:25	05/13/18 14:34	1
PCB-57	ND		0.010	0.00038	ng/g		05/03/18 12:25	05/13/18 14:34	1
PCB-58	ND		0.010	0.00038	ng/g		05/03/18 12:25	05/13/18 14:34	1
PCB-59	ND	C	0.030	0.00036	ng/g		05/03/18 12:25	05/13/18 14:34	1
PCB-60	ND		0.010	0.00038	ng/g		05/03/18 12:25	05/13/18 14:34	1
PCB-61	0.00168	J C q	0.040	0.00035	ng/g		05/03/18 12:25	05/13/18 14:34	1
PCB-62	ND	C59	0.030	0.00036	ng/g		05/03/18 12:25	05/13/18 14:34	1
PCB-63	ND		0.010	0.00034	ng/g		05/03/18 12:25	05/13/18 14:34	1
PCB-64	ND		0.010	0.00034	ng/g		05/03/18 12:25	05/13/18 14:34	1
PCB-65	0.00184	J C44	0.030	0.00045	ng/g		05/03/18 12:25	05/13/18 14:34	1
PCB-66	ND		0.010	0.00035	ng/g		05/03/18 12:25	05/13/18 14:34	1
PCB-67	ND		0.010	0.00033	ng/g		05/03/18 12:25	05/13/18 14:34	1
PCB-68	ND		0.010	0.00033	ng/g		05/03/18 12:25	05/13/18 14:34	1
PCB-69	ND	C49	0.020	0.00042	ng/g		05/03/18 12:25	05/13/18 14:34	1
PCB-70	0.00168	J C61 q	0.040	0.00035	ng/g		05/03/18 12:25	05/13/18 14:34	1
PCB-71	ND	C40	0.030	0.00051	ng/g		05/03/18 12:25	05/13/18 14:34	1
PCB-72	ND		0.010	0.00037	ng/g		05/03/18 12:25	05/13/18 14:34	1
PCB-73	ND	C43	0.020	0.00048	ng/g		05/03/18 12:25	05/13/18 14:34	1
PCB-74	0.00168	J C61 q	0.040	0.00035	ng/g		05/03/18 12:25	05/13/18 14:34	1
PCB-75	ND	C59	0.030	0.00036	ng/g		05/03/18 12:25	05/13/18 14:34	1
PCB-76	0.00168	J C61 q	0.040	0.00035	ng/g		05/03/18 12:25	05/13/18 14:34	1
PCB-77	0.000848	J	0.010	0.00036	ng/g		05/03/18 12:25	05/13/18 14:34	1
PCB-78	ND		0.010	0.00038	ng/g		05/03/18 12:25	05/13/18 14:34	1
PCB-79	ND		0.010	0.00033	ng/g		05/03/18 12:25	05/13/18 14:34	1
PCB-80	ND		0.010	0.00032	ng/g		05/03/18 12:25	05/13/18 14:34	1
PCB-81	ND		0.010	0.00035	ng/g		05/03/18 12:25	05/13/18 14:34	1
PCB-82	ND		0.010	0.00033	ng/g		05/03/18 12:25	05/13/18 14:34	1
PCB-83	ND	C	0.020	0.00031	ng/g		05/03/18 12:25	05/13/18 14:34	1
PCB-84	0.00108	J	0.010	0.00034	ng/g		05/03/18 12:25	05/13/18 14:34	1
PCB-85	ND	C	0.030	0.00025	ng/g		05/03/18 12:25	05/13/18 14:34	1
PCB-86	0.00321	J C	0.060	0.00025	ng/g		05/03/18 12:25	05/13/18 14:34	1
PCB-87	0.00321	J C86	0.060	0.00025	ng/g		05/03/18 12:25	05/13/18 14:34	1
PCB-88	ND	C	0.020	0.00030	ng/g		05/03/18 12:25	05/13/18 14:34	1
PCB-89	ND		0.010	0.00033	ng/g		05/03/18 12:25	05/13/18 14:34	1
PCB-90	0.00116	J C	0.030	0.00025	ng/g		05/03/18 12:25	05/13/18 14:34	1
PCB-91	ND	C88	0.020	0.00030	ng/g		05/03/18 12:25	05/13/18 14:34	1
PCB-92	ND		0.010	0.00029	ng/g		05/03/18 12:25	05/13/18 14:34	1
PCB-93	ND	C	0.020	0.00029	ng/g		05/03/18 12:25	05/13/18 14:34	1
PCB-94	ND		0.010	0.00033	ng/g		05/03/18 12:25	05/13/18 14:34	1
PCB-95	0.00128	J q	0.010	0.00032	ng/g		05/03/18 12:25	05/13/18 14:34	1
PCB-96	ND		0.010	0.00025	ng/g		05/03/18 12:25	05/13/18 14:34	1

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

Lab Sample ID: MB 140-20049/16-B
Matrix: Solid
Analysis Batch: 20286

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 20049

Analyte	MB Result	MB Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-97	0.00321	J C86	0.060	0.00025	ng/g		05/03/18 12:25	05/13/18 14:34	1
PCB-98	ND	C	0.020	0.00028	ng/g		05/03/18 12:25	05/13/18 14:34	1
PCB-99	ND	C83	0.020	0.00031	ng/g		05/03/18 12:25	05/13/18 14:34	1
PCB-100	ND	C93	0.020	0.00029	ng/g		05/03/18 12:25	05/13/18 14:34	1
PCB-101	0.00116	J C90	0.030	0.00025	ng/g		05/03/18 12:25	05/13/18 14:34	1
PCB-102	ND	C98	0.020	0.00028	ng/g		05/03/18 12:25	05/13/18 14:34	1
PCB-103	ND		0.010	0.00029	ng/g		05/03/18 12:25	05/13/18 14:34	1
PCB-104	ND		0.010	0.00022	ng/g		05/03/18 12:25	05/13/18 14:34	1
PCB-105	0.000499	J	0.010	0.00023	ng/g		05/03/18 12:25	05/13/18 14:34	1
PCB-106	ND		0.010	0.00025	ng/g		05/03/18 12:25	05/13/18 14:34	1
PCB-107	ND		0.010	0.00026	ng/g		05/03/18 12:25	05/13/18 14:34	1
PCB-108	ND	C	0.020	0.00025	ng/g		05/03/18 12:25	05/13/18 14:34	1
PCB-109	0.00321	J C86	0.060	0.00025	ng/g		05/03/18 12:25	05/13/18 14:34	1
PCB-110	0.00132	J C q	0.020	0.00021	ng/g		05/03/18 12:25	05/13/18 14:34	1
PCB-111	ND		0.010	0.00020	ng/g		05/03/18 12:25	05/13/18 14:34	1
PCB-112	ND		0.010	0.00021	ng/g		05/03/18 12:25	05/13/18 14:34	1
PCB-113	0.00116	J C90	0.030	0.00025	ng/g		05/03/18 12:25	05/13/18 14:34	1
PCB-114	ND		0.010	0.00023	ng/g		05/03/18 12:25	05/13/18 14:34	1
PCB-115	0.00132	J C110 q	0.020	0.00021	ng/g		05/03/18 12:25	05/13/18 14:34	1
PCB-116	ND	C85	0.030	0.00025	ng/g		05/03/18 12:25	05/13/18 14:34	1
PCB-117	ND	C85	0.030	0.00025	ng/g		05/03/18 12:25	05/13/18 14:34	1
PCB-118	0.00111	J q	0.010	0.00024	ng/g		05/03/18 12:25	05/13/18 14:34	1
PCB-119	0.00321	J C86	0.060	0.00025	ng/g		05/03/18 12:25	05/13/18 14:34	1
PCB-120	ND		0.010	0.00021	ng/g		05/03/18 12:25	05/13/18 14:34	1
PCB-121	ND		0.010	0.00021	ng/g		05/03/18 12:25	05/13/18 14:34	1
PCB-122	ND		0.010	0.00029	ng/g		05/03/18 12:25	05/13/18 14:34	1
PCB-123	0.00103	J q	0.010	0.00024	ng/g		05/03/18 12:25	05/13/18 14:34	1
PCB-124	ND	C108	0.020	0.00025	ng/g		05/03/18 12:25	05/13/18 14:34	1
PCB-125	0.00321	J C86	0.060	0.00025	ng/g		05/03/18 12:25	05/13/18 14:34	1
PCB-126	0.00132	J	0.010	0.00026	ng/g		05/03/18 12:25	05/13/18 14:34	1
PCB-127	ND		0.010	0.00025	ng/g		05/03/18 12:25	05/13/18 14:34	1
PCB-128	0.000980	J C q	0.020	0.00058	ng/g		05/03/18 12:25	05/13/18 14:34	1
PCB-129	0.00161	J C	0.040	0.00060	ng/g		05/03/18 12:25	05/13/18 14:34	1
PCB-130	ND		0.010	0.00079	ng/g		05/03/18 12:25	05/13/18 14:34	1
PCB-131	ND		0.010	0.00083	ng/g		05/03/18 12:25	05/13/18 14:34	1
PCB-132	ND		0.010	0.00077	ng/g		05/03/18 12:25	05/13/18 14:34	1
PCB-133	ND		0.010	0.00075	ng/g		05/03/18 12:25	05/13/18 14:34	1
PCB-134	ND	C	0.020	0.00078	ng/g		05/03/18 12:25	05/13/18 14:34	1
PCB-135	ND	C	0.020	0.00016	ng/g		05/03/18 12:25	05/13/18 14:34	1
PCB-136	ND		0.010	0.00012	ng/g		05/03/18 12:25	05/13/18 14:34	1
PCB-137	ND		0.010	0.00068	ng/g		05/03/18 12:25	05/13/18 14:34	1
PCB-138	0.00161	J C129	0.040	0.00060	ng/g		05/03/18 12:25	05/13/18 14:34	1
PCB-139	ND	C	0.020	0.00067	ng/g		05/03/18 12:25	05/13/18 14:34	1
PCB-140	ND	C139	0.020	0.00067	ng/g		05/03/18 12:25	05/13/18 14:34	1
PCB-141	ND		0.010	0.00070	ng/g		05/03/18 12:25	05/13/18 14:34	1
PCB-142	ND		0.010	0.00075	ng/g		05/03/18 12:25	05/13/18 14:34	1
PCB-143	ND	C134	0.020	0.00078	ng/g		05/03/18 12:25	05/13/18 14:34	1
PCB-144	ND		0.010	0.00015	ng/g		05/03/18 12:25	05/13/18 14:34	1

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

Lab Sample ID: MB 140-20049/16-B
Matrix: Solid
Analysis Batch: 20286

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 20049

Analyte	MB Result	MB Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-145	ND		0.010	0.00011	ng/g		05/03/18 12:25	05/13/18 14:34	1
PCB-146	ND		0.010	0.00066	ng/g		05/03/18 12:25	05/13/18 14:34	1
PCB-147	ND	C	0.020	0.00076	ng/g		05/03/18 12:25	05/13/18 14:34	1
PCB-148	ND		0.010	0.00016	ng/g		05/03/18 12:25	05/13/18 14:34	1
PCB-149	ND	C147	0.020	0.00076	ng/g		05/03/18 12:25	05/13/18 14:34	1
PCB-150	ND		0.010	0.00011	ng/g		05/03/18 12:25	05/13/18 14:34	1
PCB-151	ND	C135	0.020	0.00016	ng/g		05/03/18 12:25	05/13/18 14:34	1
PCB-152	ND		0.010	0.00011	ng/g		05/03/18 12:25	05/13/18 14:34	1
PCB-153	ND	C	0.020	0.00052	ng/g		05/03/18 12:25	05/13/18 14:34	1
PCB-154	ND		0.010	0.00013	ng/g		05/03/18 12:25	05/13/18 14:34	1
PCB-155	ND		0.010	0.00011	ng/g		05/03/18 12:25	05/13/18 14:34	1
PCB-156	0.00200	J C	0.020	0.00063	ng/g		05/03/18 12:25	05/13/18 14:34	1
PCB-157	0.00200	J C156	0.020	0.00063	ng/g		05/03/18 12:25	05/13/18 14:34	1
PCB-158	ND		0.010	0.00047	ng/g		05/03/18 12:25	05/13/18 14:34	1
PCB-159	ND		0.010	0.00050	ng/g		05/03/18 12:25	05/13/18 14:34	1
PCB-160	0.00161	J C129	0.040	0.00060	ng/g		05/03/18 12:25	05/13/18 14:34	1
PCB-161	ND		0.010	0.00050	ng/g		05/03/18 12:25	05/13/18 14:34	1
PCB-162	ND		0.010	0.00049	ng/g		05/03/18 12:25	05/13/18 14:34	1
PCB-163	0.00161	J C129	0.040	0.00060	ng/g		05/03/18 12:25	05/13/18 14:34	1
PCB-164	ND		0.010	0.00053	ng/g		05/03/18 12:25	05/13/18 14:34	1
PCB-165	ND		0.010	0.00056	ng/g		05/03/18 12:25	05/13/18 14:34	1
PCB-166	0.000980	J C128 q	0.020	0.00058	ng/g		05/03/18 12:25	05/13/18 14:34	1
PCB-167	ND		0.010	0.00040	ng/g		05/03/18 12:25	05/13/18 14:34	1
PCB-168	ND	C153	0.020	0.00052	ng/g		05/03/18 12:25	05/13/18 14:34	1
PCB-169	ND		0.010	0.00037	ng/g		05/03/18 12:25	05/13/18 14:34	1
PCB-170	ND		0.010	0.00049	ng/g		05/03/18 12:25	05/13/18 14:34	1
PCB-171	ND	C	0.020	0.00048	ng/g		05/03/18 12:25	05/13/18 14:34	1
PCB-172	ND		0.010	0.00048	ng/g		05/03/18 12:25	05/13/18 14:34	1
PCB-173	ND	C171	0.020	0.00048	ng/g		05/03/18 12:25	05/13/18 14:34	1
PCB-174	ND		0.010	0.00045	ng/g		05/03/18 12:25	05/13/18 14:34	1
PCB-175	ND		0.010	0.00043	ng/g		05/03/18 12:25	05/13/18 14:34	1
PCB-176	ND		0.010	0.00033	ng/g		05/03/18 12:25	05/13/18 14:34	1
PCB-177	ND		0.010	0.00046	ng/g		05/03/18 12:25	05/13/18 14:34	1
PCB-178	ND		0.010	0.00047	ng/g		05/03/18 12:25	05/13/18 14:34	1
PCB-179	ND		0.010	0.00035	ng/g		05/03/18 12:25	05/13/18 14:34	1
PCB-180	ND	C	0.020	0.00036	ng/g		05/03/18 12:25	05/13/18 14:34	1
PCB-181	ND		0.010	0.00043	ng/g		05/03/18 12:25	05/13/18 14:34	1
PCB-182	ND		0.010	0.00042	ng/g		05/03/18 12:25	05/13/18 14:34	1
PCB-183	ND	C	0.020	0.00042	ng/g		05/03/18 12:25	05/13/18 14:34	1
PCB-184	ND		0.010	0.00035	ng/g		05/03/18 12:25	05/13/18 14:34	1
PCB-185	ND	C183	0.020	0.00042	ng/g		05/03/18 12:25	05/13/18 14:34	1
PCB-186	ND		0.010	0.00034	ng/g		05/03/18 12:25	05/13/18 14:34	1
PCB-187	ND		0.010	0.00040	ng/g		05/03/18 12:25	05/13/18 14:34	1
PCB-188	ND		0.010	0.00031	ng/g		05/03/18 12:25	05/13/18 14:34	1
PCB-189	ND		0.010	0.00026	ng/g		05/03/18 12:25	05/13/18 14:34	1
PCB-190	ND		0.010	0.00031	ng/g		05/03/18 12:25	05/13/18 14:34	1
PCB-191	ND		0.010	0.00033	ng/g		05/03/18 12:25	05/13/18 14:34	1
PCB-192	ND		0.010	0.00036	ng/g		05/03/18 12:25	05/13/18 14:34	1

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

Lab Sample ID: MB 140-20049/16-B
Matrix: Solid
Analysis Batch: 20286

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 20049

Analyte	MB Result	MB Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-193	ND	C180	0.020	0.00036	ng/g		05/03/18 12:25	05/13/18 14:34	1
PCB-194	ND		0.010	0.00023	ng/g		05/03/18 12:25	05/13/18 14:34	1
PCB-195	ND		0.010	0.00026	ng/g		05/03/18 12:25	05/13/18 14:34	1
PCB-196	ND		0.010	0.00011	ng/g		05/03/18 12:25	05/13/18 14:34	1
PCB-197	ND		0.010	0.000084	ng/g		05/03/18 12:25	05/13/18 14:34	1
PCB-198	0.00149	J C	0.020	0.00011	ng/g		05/03/18 12:25	05/13/18 14:34	1
PCB-199	0.00149	J C198	0.020	0.00011	ng/g		05/03/18 12:25	05/13/18 14:34	1
PCB-200	ND		0.010	0.000075	ng/g		05/03/18 12:25	05/13/18 14:34	1
PCB-201	ND		0.010	0.000077	ng/g		05/03/18 12:25	05/13/18 14:34	1
PCB-202	ND		0.010	0.000086	ng/g		05/03/18 12:25	05/13/18 14:34	1
PCB-203	ND		0.010	0.000099	ng/g		05/03/18 12:25	05/13/18 14:34	1
PCB-204	ND		0.010	0.000084	ng/g		05/03/18 12:25	05/13/18 14:34	1
PCB-205	0.00116	J q	0.010	0.00020	ng/g		05/03/18 12:25	05/13/18 14:34	1
PCB-206	ND		0.010	0.00081	ng/g		05/03/18 12:25	05/13/18 14:34	1
PCB-207	ND		0.010	0.00059	ng/g		05/03/18 12:25	05/13/18 14:34	1
PCB-208	ND		0.010	0.00062	ng/g		05/03/18 12:25	05/13/18 14:34	1
PCB-209	ND		0.010	0.000062	ng/g		05/03/18 12:25	05/13/18 14:34	1

Isotope Dilution	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
PCB-1L	*67*		*30 - 140*	*05/03/18 12:25*	*05/13/18 14:34*	*1*
PCB-3L	*57*		*30 - 140*	*05/03/18 12:25*	*05/13/18 14:34*	*1*
PCB-4L	*59*		*30 - 140*	*05/03/18 12:25*	*05/13/18 14:34*	*1*
PCB-15L	*55*		*30 - 140*	*05/03/18 12:25*	*05/13/18 14:34*	*1*
PCB-19L	*79*		*30 - 140*	*05/03/18 12:25*	*05/13/18 14:34*	*1*
PCB-37L	*73*		*30 - 140*	*05/03/18 12:25*	*05/13/18 14:34*	*1*
PCB-54L	*74*		*30 - 140*	*05/03/18 12:25*	*05/13/18 14:34*	*1*
PCB-77L	*76*		*30 - 140*	*05/03/18 12:25*	*05/13/18 14:34*	*1*
PCB-81L	*74*		*30 - 140*	*05/03/18 12:25*	*05/13/18 14:34*	*1*
PCB-104L	*73*		*30 - 140*	*05/03/18 12:25*	*05/13/18 14:34*	*1*
PCB-105L	*87*		*30 - 140*	*05/03/18 12:25*	*05/13/18 14:34*	*1*
PCB-114L	*86*		*30 - 140*	*05/03/18 12:25*	*05/13/18 14:34*	*1*
PCB-118L	*82*		*30 - 140*	*05/03/18 12:25*	*05/13/18 14:34*	*1*
PCB-123L	*83*		*30 - 140*	*05/03/18 12:25*	*05/13/18 14:34*	*1*
PCB-126L	*82*		*30 - 140*	*05/03/18 12:25*	*05/13/18 14:34*	*1*
PCB-155L	*85*		*30 - 140*	*05/03/18 12:25*	*05/13/18 14:34*	*1*
PCB-156L	*88*	*C*	*30 - 140*	*05/03/18 12:25*	*05/13/18 14:34*	*1*
PCB-157L	*88*	*C156*	*30 - 140*	*05/03/18 12:25*	*05/13/18 14:34*	*1*
PCB-167L	*88*		*30 - 140*	*05/03/18 12:25*	*05/13/18 14:34*	*1*
PCB-169L	*94*		*30 - 140*	*05/03/18 12:25*	*05/13/18 14:34*	*1*
PCB-170L	*87*		*30 - 140*	*05/03/18 12:25*	*05/13/18 14:34*	*1*
PCB-188L	*88*		*30 - 140*	*05/03/18 12:25*	*05/13/18 14:34*	*1*
PCB-189L	*85*		*30 - 140*	*05/03/18 12:25*	*05/13/18 14:34*	*1*
PCB-202L	*96*		*30 - 140*	*05/03/18 12:25*	*05/13/18 14:34*	*1*
PCB-205L	*76*		*30 - 140*	*05/03/18 12:25*	*05/13/18 14:34*	*1*
PCB-206L	*80*		*30 - 140*	*05/03/18 12:25*	*05/13/18 14:34*	*1*
PCB-208L	*77*		*30 - 140*	*05/03/18 12:25*	*05/13/18 14:34*	*1*
PCB-209L	*74*		*30 - 140*	*05/03/18 12:25*	*05/13/18 14:34*	*1*

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

Lab Sample ID: MB 140-20049/16-B
Matrix: Solid
Analysis Batch: 20286

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 20049

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
PCB-28L	85		40 - 125	05/03/18 12:25	05/13/18 14:34	1
PCB-111L	93		40 - 125	05/03/18 12:25	05/13/18 14:34	1
PCB-178L	93		40 - 125	05/03/18 12:25	05/13/18 14:34	1

Lab Sample ID: LCS 140-20049/17-B
Matrix: Solid
Analysis Batch: 20286

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 20049

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1	0.500	0.432		ng/g		86	50 - 150
PCB-3	0.500	0.468		ng/g		94	50 - 150
PCB-4	0.500	0.508		ng/g		102	50 - 150
PCB-15	0.500	0.555		ng/g		111	50 - 150
PCB-19	0.500	0.573		ng/g		115	50 - 150
PCB-37	0.500	0.473		ng/g		95	50 - 150
PCB-54	0.500	0.515		ng/g		103	50 - 150
PCB-77	0.500	0.530		ng/g		106	50 - 150
PCB-81	0.500	0.505		ng/g		101	50 - 150
PCB-104	0.500	0.564		ng/g		113	50 - 150
PCB-105	0.500	0.505		ng/g		101	50 - 150
PCB-114	0.500	0.521		ng/g		104	50 - 150
PCB-118	0.500	0.499		ng/g		100	50 - 150
PCB-123	0.500	0.553		ng/g		111	50 - 150
PCB-126	0.500	0.560		ng/g		112	50 - 150
PCB-155	0.500	0.527		ng/g		105	50 - 150
PCB-156	1.00	1.16	C	ng/g		116	50 - 150
PCB-157	1.00	1.16	C156	ng/g		116	50 - 150
PCB-167	0.500	0.558		ng/g		112	50 - 150
PCB-169	0.500	0.543		ng/g		109	50 - 150
PCB-188	0.500	0.554		ng/g		111	50 - 150
PCB-189	0.500	0.515		ng/g		103	50 - 150
PCB-202	0.500	0.501		ng/g		100	50 - 150
PCB-205	0.500	0.621		ng/g		124	50 - 150
PCB-206	0.500	0.536		ng/g		107	50 - 150
PCB-208	0.500	0.557		ng/g		111	50 - 150
PCB-209	0.500	0.571		ng/g		114	50 - 150

Isotope Dilution	LCS %Recovery	LCS Qualifier	Limits
PCB-1L	68		30 - 140
PCB-3L	63		30 - 140
PCB-4L	61		30 - 140
PCB-15L	57		30 - 140
PCB-19L	73		30 - 140
PCB-37L	76		30 - 140
PCB-54L	70		30 - 140
PCB-77L	72		30 - 140
PCB-81L	70		30 - 140
PCB-104L	77		30 - 140

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

Lab Sample ID: LCS 140-20049/17-B
Matrix: Solid
Analysis Batch: 20286

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 20049

Isotope Dilution	LCS %Recovery	LCS Qualifier	Limits
PCB-105L	85		30 - 140
PCB-114L	88		30 - 140
PCB-118L	83		30 - 140
PCB-123L	86		30 - 140
PCB-126L	82		30 - 140
PCB-155L	80		30 - 140
PCB-156L	83	C	30 - 140
PCB-157L	83	C156	30 - 140
PCB-167L	85		30 - 140
PCB-169L	88		30 - 140
PCB-170L	84		30 - 140
PCB-188L	89		30 - 140
PCB-189L	79		30 - 140
PCB-202L	91		30 - 140
PCB-205L	74		30 - 140
PCB-206L	75		30 - 140
PCB-208L	72		30 - 140
PCB-209L	70		30 - 140

Surrogate	LCS %Recovery	LCS Qualifier	Limits
PCB-28L	82		40 - 125
PCB-111L	91		40 - 125
PCB-178L	90		40 - 125

Lab Sample ID: LCSD 140-20049/18-B
Matrix: Solid
Analysis Batch: 20286

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 20049

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
PCB-1			0.500	0.426		ng/g		85	50 - 150	1	50
PCB-3			0.500	0.456		ng/g		91	50 - 150	2	50
PCB-4			0.500	0.508		ng/g		102	50 - 150	0	50
PCB-15			0.500	0.535		ng/g		107	50 - 150	4	50
PCB-19			0.500	0.578		ng/g		116	50 - 150	1	50
PCB-37			0.500	0.489		ng/g		98	50 - 150	3	50
PCB-54			0.500	0.523		ng/g		105	50 - 150	2	50
PCB-77			0.500	0.498		ng/g		100	50 - 150	6	50
PCB-81			0.500	0.489		ng/g		98	50 - 150	3	50
PCB-104			0.500	0.572		ng/g		114	50 - 150	1	50
PCB-105			0.500	0.500		ng/g		100	50 - 150	1	50
PCB-114			0.500	0.524		ng/g		105	50 - 150	1	50
PCB-118			0.500	0.521		ng/g		104	50 - 150	4	50
PCB-123			0.500	0.556		ng/g		111	50 - 150	1	50
PCB-126			0.500	0.552		ng/g		110	50 - 150	2	50
PCB-155			0.500	0.544		ng/g		109	50 - 150	3	50
PCB-156			1.00	1.15	C	ng/g		115	50 - 150	1	50
PCB-157			1.00	1.15	C156	ng/g		115	50 - 150	1	50
PCB-167			0.500	0.548		ng/g		110	50 - 150	2	50

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

Lab Sample ID: LCSD 140-20049/18-B
Matrix: Solid
Analysis Batch: 20286

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 20049

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
PCB-169			0.500	0.534		ng/g		107	50 - 150	2	50
PCB-188			0.500	0.562		ng/g		112	50 - 150	1	50
PCB-189			0.500	0.523		ng/g		105	50 - 150	1	50
PCB-202			0.500	0.486		ng/g		97	50 - 150	3	50
PCB-205			0.500	0.614		ng/g		123	50 - 150	1	50
PCB-206			0.500	0.530		ng/g		106	50 - 150	1	50
PCB-208			0.500	0.553		ng/g		111	50 - 150	1	50
PCB-209			0.500	0.568		ng/g		114	50 - 150	1	50

Isotope Dilution	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
PCB-1L	*70*		*30 - 140*
PCB-3L	*63*		*30 - 140*
PCB-4L	*66*		*30 - 140*
PCB-15L	*60*		*30 - 140*
PCB-19L	*75*		*30 - 140*
PCB-37L	*77*		*30 - 140*
PCB-54L	*73*		*30 - 140*
PCB-77L	*79*		*30 - 140*
PCB-81L	*75*		*30 - 140*
PCB-104L	*72*		*30 - 140*
PCB-105L	*85*		*30 - 140*
PCB-114L	*83*		*30 - 140*
PCB-118L	*82*		*30 - 140*
PCB-123L	*85*		*30 - 140*
PCB-126L	*82*		*30 - 140*
PCB-155L	*79*		*30 - 140*
PCB-156L	*85*	*C*	*30 - 140*
PCB-157L	*85*	*C156*	*30 - 140*
PCB-167L	*87*		*30 - 140*
PCB-169L	*91*		*30 - 140*
PCB-170L	*84*		*30 - 140*
PCB-188L	*89*		*30 - 140*
PCB-189L	*84*		*30 - 140*
PCB-202L	*94*		*30 - 140*
PCB-205L	*73*		*30 - 140*
PCB-206L	*74*		*30 - 140*
PCB-208L	*75*		*30 - 140*
PCB-209L	*68*		*30 - 140*

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
PCB-28L	*83*		*40 - 125*
PCB-111L	*90*		*40 - 125*
PCB-178L	*93*		*40 - 125*

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

Lab Sample ID: MB 140-20064/16-B
Matrix: Solid
Analysis Batch: 20342

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 20064

Analyte	MB Result	MB Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1	ND		0.010	0.00011	ng/g		05/03/18 10:07	05/15/18 13:29	1
PCB-2	ND		0.010	0.00013	ng/g		05/03/18 10:07	05/15/18 13:29	1
PCB-3	0.000616	J	0.010	0.00016	ng/g		05/03/18 10:07	05/15/18 13:29	1
PCB-4	ND		0.020	0.0064	ng/g		05/03/18 10:07	05/15/18 13:29	1
PCB-5	ND		0.010	0.0057	ng/g		05/03/18 10:07	05/15/18 13:29	1
PCB-6	ND		0.010	0.0050	ng/g		05/03/18 10:07	05/15/18 13:29	1
PCB-7	ND		0.010	0.0051	ng/g		05/03/18 10:07	05/15/18 13:29	1
PCB-8	ND		0.020	0.0046	ng/g		05/03/18 10:07	05/15/18 13:29	1
PCB-9	ND		0.010	0.0052	ng/g		05/03/18 10:07	05/15/18 13:29	1
PCB-10	ND		0.010	0.0056	ng/g		05/03/18 10:07	05/15/18 13:29	1
PCB-11	0.00542	J q	0.020	0.0049	ng/g		05/03/18 10:07	05/15/18 13:29	1
PCB-12	ND	C	0.020	0.0051	ng/g		05/03/18 10:07	05/15/18 13:29	1
PCB-13	ND	C12	0.020	0.0051	ng/g		05/03/18 10:07	05/15/18 13:29	1
PCB-14	ND		0.010	0.0043	ng/g		05/03/18 10:07	05/15/18 13:29	1
PCB-15	ND		0.010	0.0058	ng/g		05/03/18 10:07	05/15/18 13:29	1
PCB-16	ND		0.010	0.00033	ng/g		05/03/18 10:07	05/15/18 13:29	1
PCB-17	ND		0.010	0.00030	ng/g		05/03/18 10:07	05/15/18 13:29	1
PCB-18	ND	C	0.020	0.00026	ng/g		05/03/18 10:07	05/15/18 13:29	1
PCB-19	ND		0.010	0.00037	ng/g		05/03/18 10:07	05/15/18 13:29	1
PCB-20	ND	C	0.020	0.00037	ng/g		05/03/18 10:07	05/15/18 13:29	1
PCB-21	0.00130	J q C	0.020	0.00036	ng/g		05/03/18 10:07	05/15/18 13:29	1
PCB-22	ND		0.010	0.00038	ng/g		05/03/18 10:07	05/15/18 13:29	1
PCB-23	ND		0.010	0.00038	ng/g		05/03/18 10:07	05/15/18 13:29	1
PCB-24	ND		0.010	0.00025	ng/g		05/03/18 10:07	05/15/18 13:29	1
PCB-25	ND		0.010	0.00034	ng/g		05/03/18 10:07	05/15/18 13:29	1
PCB-26	ND	C	0.020	0.00036	ng/g		05/03/18 10:07	05/15/18 13:29	1
PCB-27	ND		0.010	0.00022	ng/g		05/03/18 10:07	05/15/18 13:29	1
PCB-28	ND	C20	0.020	0.00037	ng/g		05/03/18 10:07	05/15/18 13:29	1
PCB-29	ND	C26	0.020	0.00036	ng/g		05/03/18 10:07	05/15/18 13:29	1
PCB-30	ND	C18	0.020	0.00026	ng/g		05/03/18 10:07	05/15/18 13:29	1
PCB-31	ND		0.020	0.00036	ng/g		05/03/18 10:07	05/15/18 13:29	1
PCB-32	ND		0.010	0.00021	ng/g		05/03/18 10:07	05/15/18 13:29	1
PCB-33	0.00130	J q C21	0.020	0.00036	ng/g		05/03/18 10:07	05/15/18 13:29	1
PCB-34	ND		0.010	0.00039	ng/g		05/03/18 10:07	05/15/18 13:29	1
PCB-35	ND		0.010	0.00038	ng/g		05/03/18 10:07	05/15/18 13:29	1
PCB-36	ND		0.010	0.00037	ng/g		05/03/18 10:07	05/15/18 13:29	1
PCB-37	0.000625	J q	0.010	0.00038	ng/g		05/03/18 10:07	05/15/18 13:29	1
PCB-38	ND		0.010	0.00039	ng/g		05/03/18 10:07	05/15/18 13:29	1
PCB-39	ND		0.010	0.00035	ng/g		05/03/18 10:07	05/15/18 13:29	1
PCB-40	ND	C	0.030	0.00072	ng/g		05/03/18 10:07	05/15/18 13:29	1
PCB-41	ND	C40	0.030	0.00072	ng/g		05/03/18 10:07	05/15/18 13:29	1
PCB-42	ND		0.010	0.00072	ng/g		05/03/18 10:07	05/15/18 13:29	1
PCB-43	ND	C	0.020	0.00067	ng/g		05/03/18 10:07	05/15/18 13:29	1
PCB-44	0.00254	J C	0.030	0.00064	ng/g		05/03/18 10:07	05/15/18 13:29	1
PCB-45	ND	C	0.020	0.00075	ng/g		05/03/18 10:07	05/15/18 13:29	1
PCB-46	ND		0.010	0.00091	ng/g		05/03/18 10:07	05/15/18 13:29	1
PCB-47	0.00254	J C44	0.030	0.00064	ng/g		05/03/18 10:07	05/15/18 13:29	1
PCB-48	ND		0.010	0.00072	ng/g		05/03/18 10:07	05/15/18 13:29	1

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

Lab Sample ID: MB 140-20064/16-B
Matrix: Solid
Analysis Batch: 20342

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 20064

Analyte	MB Result	MB Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-49	ND	C	0.020	0.00059	ng/g		05/03/18 10:07	05/15/18 13:29	1
PCB-50	ND	C	0.020	0.00070	ng/g		05/03/18 10:07	05/15/18 13:29	1
PCB-51	ND	C45	0.020	0.00075	ng/g		05/03/18 10:07	05/15/18 13:29	1
PCB-52	ND		0.010	0.00071	ng/g		05/03/18 10:07	05/15/18 13:29	1
PCB-53	ND	C50	0.020	0.00070	ng/g		05/03/18 10:07	05/15/18 13:29	1
PCB-54	ND		0.010	0.000038	ng/g		05/03/18 10:07	05/15/18 13:29	1
PCB-55	ND		0.010	0.00052	ng/g		05/03/18 10:07	05/15/18 13:29	1
PCB-56	ND		0.010	0.00052	ng/g		05/03/18 10:07	05/15/18 13:29	1
PCB-57	ND		0.010	0.00053	ng/g		05/03/18 10:07	05/15/18 13:29	1
PCB-58	ND		0.010	0.00054	ng/g		05/03/18 10:07	05/15/18 13:29	1
PCB-59	ND	C	0.030	0.00051	ng/g		05/03/18 10:07	05/15/18 13:29	1
PCB-60	ND		0.010	0.00053	ng/g		05/03/18 10:07	05/15/18 13:29	1
PCB-61	ND	C	0.040	0.00050	ng/g		05/03/18 10:07	05/15/18 13:29	1
PCB-62	ND	C59	0.030	0.00051	ng/g		05/03/18 10:07	05/15/18 13:29	1
PCB-63	ND		0.010	0.00049	ng/g		05/03/18 10:07	05/15/18 13:29	1
PCB-64	ND		0.010	0.00048	ng/g		05/03/18 10:07	05/15/18 13:29	1
PCB-65	0.00254	J C44	0.030	0.00064	ng/g		05/03/18 10:07	05/15/18 13:29	1
PCB-66	ND		0.010	0.00050	ng/g		05/03/18 10:07	05/15/18 13:29	1
PCB-67	ND		0.010	0.00046	ng/g		05/03/18 10:07	05/15/18 13:29	1
PCB-68	ND		0.010	0.00047	ng/g		05/03/18 10:07	05/15/18 13:29	1
PCB-69	ND	C49	0.020	0.00059	ng/g		05/03/18 10:07	05/15/18 13:29	1
PCB-70	ND	C61	0.040	0.00050	ng/g		05/03/18 10:07	05/15/18 13:29	1
PCB-71	ND	C40	0.030	0.00072	ng/g		05/03/18 10:07	05/15/18 13:29	1
PCB-72	ND		0.010	0.00052	ng/g		05/03/18 10:07	05/15/18 13:29	1
PCB-73	ND	C43	0.020	0.00067	ng/g		05/03/18 10:07	05/15/18 13:29	1
PCB-74	ND	C61	0.040	0.00050	ng/g		05/03/18 10:07	05/15/18 13:29	1
PCB-75	ND	C59	0.030	0.00051	ng/g		05/03/18 10:07	05/15/18 13:29	1
PCB-76	ND	C61	0.040	0.00050	ng/g		05/03/18 10:07	05/15/18 13:29	1
PCB-77	ND		0.010	0.00052	ng/g		05/03/18 10:07	05/15/18 13:29	1
PCB-78	ND		0.010	0.00054	ng/g		05/03/18 10:07	05/15/18 13:29	1
PCB-79	ND		0.010	0.00047	ng/g		05/03/18 10:07	05/15/18 13:29	1
PCB-80	ND		0.010	0.00046	ng/g		05/03/18 10:07	05/15/18 13:29	1
PCB-81	ND		0.010	0.00048	ng/g		05/03/18 10:07	05/15/18 13:29	1
PCB-82	ND		0.010	0.00036	ng/g		05/03/18 10:07	05/15/18 13:29	1
PCB-83	ND	C	0.020	0.00033	ng/g		05/03/18 10:07	05/15/18 13:29	1
PCB-84	ND		0.010	0.00036	ng/g		05/03/18 10:07	05/15/18 13:29	1
PCB-85	0.000976	J q C	0.030	0.00027	ng/g		05/03/18 10:07	05/15/18 13:29	1
PCB-86	0.00243	J q C	0.060	0.00027	ng/g		05/03/18 10:07	05/15/18 13:29	1
PCB-87	0.00243	J q C86	0.060	0.00027	ng/g		05/03/18 10:07	05/15/18 13:29	1
PCB-88	ND	C	0.020	0.00033	ng/g		05/03/18 10:07	05/15/18 13:29	1
PCB-89	ND		0.010	0.00035	ng/g		05/03/18 10:07	05/15/18 13:29	1
PCB-90	0.00199	J q C	0.030	0.00027	ng/g		05/03/18 10:07	05/15/18 13:29	1
PCB-91	ND	C88	0.020	0.00033	ng/g		05/03/18 10:07	05/15/18 13:29	1
PCB-92	ND		0.010	0.00031	ng/g		05/03/18 10:07	05/15/18 13:29	1
PCB-93	ND	C	0.020	0.00031	ng/g		05/03/18 10:07	05/15/18 13:29	1
PCB-94	ND		0.010	0.00035	ng/g		05/03/18 10:07	05/15/18 13:29	1
PCB-95	ND		0.010	0.00034	ng/g		05/03/18 10:07	05/15/18 13:29	1
PCB-96	ND		0.010	0.00027	ng/g		05/03/18 10:07	05/15/18 13:29	1

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

Lab Sample ID: MB 140-20064/16-B
Matrix: Solid
Analysis Batch: 20342

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 20064

Analyte	MB Result	MB Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-97	0.00243	J q C86	0.060	0.00027	ng/g		05/03/18 10:07	05/15/18 13:29	1
PCB-98	ND	C	0.020	0.00030	ng/g		05/03/18 10:07	05/15/18 13:29	1
PCB-99	ND	C83	0.020	0.00033	ng/g		05/03/18 10:07	05/15/18 13:29	1
PCB-100	ND	C93	0.020	0.00031	ng/g		05/03/18 10:07	05/15/18 13:29	1
PCB-101	0.00199	J q C90	0.030	0.00027	ng/g		05/03/18 10:07	05/15/18 13:29	1
PCB-102	ND	C98	0.020	0.00030	ng/g		05/03/18 10:07	05/15/18 13:29	1
PCB-103	ND		0.010	0.00031	ng/g		05/03/18 10:07	05/15/18 13:29	1
PCB-104	ND		0.010	0.00024	ng/g		05/03/18 10:07	05/15/18 13:29	1
PCB-105	ND		0.010	0.00019	ng/g		05/03/18 10:07	05/15/18 13:29	1
PCB-106	ND		0.010	0.00020	ng/g		05/03/18 10:07	05/15/18 13:29	1
PCB-107	ND		0.010	0.00022	ng/g		05/03/18 10:07	05/15/18 13:29	1
PCB-108	0.000976	J q C	0.020	0.00021	ng/g		05/03/18 10:07	05/15/18 13:29	1
PCB-109	0.00243	J q C86	0.060	0.00027	ng/g		05/03/18 10:07	05/15/18 13:29	1
PCB-110	ND	C	0.020	0.00023	ng/g		05/03/18 10:07	05/15/18 13:29	1
PCB-111	ND		0.010	0.00022	ng/g		05/03/18 10:07	05/15/18 13:29	1
PCB-112	ND		0.010	0.00023	ng/g		05/03/18 10:07	05/15/18 13:29	1
PCB-113	0.00199	J q C90	0.030	0.00027	ng/g		05/03/18 10:07	05/15/18 13:29	1
PCB-114	ND		0.010	0.00018	ng/g		05/03/18 10:07	05/15/18 13:29	1
PCB-115	ND	C110	0.020	0.00023	ng/g		05/03/18 10:07	05/15/18 13:29	1
PCB-116	0.000976	J q C85	0.030	0.00027	ng/g		05/03/18 10:07	05/15/18 13:29	1
PCB-117	0.000976	J q C85	0.030	0.00027	ng/g		05/03/18 10:07	05/15/18 13:29	1
PCB-118	0.00130	J q	0.010	0.00018	ng/g		05/03/18 10:07	05/15/18 13:29	1
PCB-119	0.00243	J q C86	0.060	0.00027	ng/g		05/03/18 10:07	05/15/18 13:29	1
PCB-120	ND		0.010	0.00022	ng/g		05/03/18 10:07	05/15/18 13:29	1
PCB-121	ND		0.010	0.00023	ng/g		05/03/18 10:07	05/15/18 13:29	1
PCB-122	ND		0.010	0.00023	ng/g		05/03/18 10:07	05/15/18 13:29	1
PCB-123	0.000748	J q	0.010	0.00019	ng/g		05/03/18 10:07	05/15/18 13:29	1
PCB-124	0.000976	J q C108	0.020	0.00021	ng/g		05/03/18 10:07	05/15/18 13:29	1
PCB-125	0.00243	J q C86	0.060	0.00027	ng/g		05/03/18 10:07	05/15/18 13:29	1
PCB-126	ND		0.010	0.00026	ng/g		05/03/18 10:07	05/15/18 13:29	1
PCB-127	ND		0.010	0.00020	ng/g		05/03/18 10:07	05/15/18 13:29	1
PCB-128	ND	C	0.020	0.00045	ng/g		05/03/18 10:07	05/15/18 13:29	1
PCB-129	0.00269	J q C	0.040	0.00047	ng/g		05/03/18 10:07	05/15/18 13:29	1
PCB-130	ND		0.010	0.00061	ng/g		05/03/18 10:07	05/15/18 13:29	1
PCB-131	ND		0.010	0.00064	ng/g		05/03/18 10:07	05/15/18 13:29	1
PCB-132	0.00124	J q	0.010	0.00060	ng/g		05/03/18 10:07	05/15/18 13:29	1
PCB-133	ND		0.010	0.00058	ng/g		05/03/18 10:07	05/15/18 13:29	1
PCB-134	ND	C	0.020	0.00061	ng/g		05/03/18 10:07	05/15/18 13:29	1
PCB-135	ND	C	0.020	0.00022	ng/g		05/03/18 10:07	05/15/18 13:29	1
PCB-136	ND		0.010	0.00016	ng/g		05/03/18 10:07	05/15/18 13:29	1
PCB-137	ND		0.010	0.00052	ng/g		05/03/18 10:07	05/15/18 13:29	1
PCB-138	0.00269	J q C129	0.040	0.00047	ng/g		05/03/18 10:07	05/15/18 13:29	1
PCB-139	0.000675	J q C	0.020	0.00052	ng/g		05/03/18 10:07	05/15/18 13:29	1
PCB-140	0.000675	J q C139	0.020	0.00052	ng/g		05/03/18 10:07	05/15/18 13:29	1
PCB-141	ND		0.010	0.00054	ng/g		05/03/18 10:07	05/15/18 13:29	1
PCB-142	ND		0.010	0.00058	ng/g		05/03/18 10:07	05/15/18 13:29	1
PCB-143	ND	C134	0.020	0.00061	ng/g		05/03/18 10:07	05/15/18 13:29	1
PCB-144	ND		0.010	0.00020	ng/g		05/03/18 10:07	05/15/18 13:29	1

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

Lab Sample ID: MB 140-20064/16-B
Matrix: Solid
Analysis Batch: 20342

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 20064

Analyte	MB Result	MB Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-145	ND		0.010	0.00015	ng/g		05/03/18 10:07	05/15/18 13:29	1
PCB-146	ND		0.010	0.00051	ng/g		05/03/18 10:07	05/15/18 13:29	1
PCB-147	ND	C	0.020	0.00059	ng/g		05/03/18 10:07	05/15/18 13:29	1
PCB-148	ND		0.010	0.00021	ng/g		05/03/18 10:07	05/15/18 13:29	1
PCB-149	ND	C147	0.020	0.00059	ng/g		05/03/18 10:07	05/15/18 13:29	1
PCB-150	ND		0.010	0.00014	ng/g		05/03/18 10:07	05/15/18 13:29	1
PCB-151	ND	C135	0.020	0.00022	ng/g		05/03/18 10:07	05/15/18 13:29	1
PCB-152	ND		0.010	0.00016	ng/g		05/03/18 10:07	05/15/18 13:29	1
PCB-153	0.00130	J q C	0.020	0.00041	ng/g		05/03/18 10:07	05/15/18 13:29	1
PCB-154	ND		0.010	0.00017	ng/g		05/03/18 10:07	05/15/18 13:29	1
PCB-155	ND		0.010	0.00015	ng/g		05/03/18 10:07	05/15/18 13:29	1
PCB-156	0.00201	J C	0.020	0.00046	ng/g		05/03/18 10:07	05/15/18 13:29	1
PCB-157	0.00201	J C156	0.020	0.00046	ng/g		05/03/18 10:07	05/15/18 13:29	1
PCB-158	ND		0.010	0.00037	ng/g		05/03/18 10:07	05/15/18 13:29	1
PCB-159	ND		0.010	0.00039	ng/g		05/03/18 10:07	05/15/18 13:29	1
PCB-160	0.00269	J q C129	0.040	0.00047	ng/g		05/03/18 10:07	05/15/18 13:29	1
PCB-161	ND		0.010	0.00038	ng/g		05/03/18 10:07	05/15/18 13:29	1
PCB-162	ND		0.010	0.00038	ng/g		05/03/18 10:07	05/15/18 13:29	1
PCB-163	0.00269	J q C129	0.040	0.00047	ng/g		05/03/18 10:07	05/15/18 13:29	1
PCB-164	ND		0.010	0.00041	ng/g		05/03/18 10:07	05/15/18 13:29	1
PCB-165	ND		0.010	0.00044	ng/g		05/03/18 10:07	05/15/18 13:29	1
PCB-166	ND	C128	0.020	0.00045	ng/g		05/03/18 10:07	05/15/18 13:29	1
PCB-167	ND		0.010	0.00030	ng/g		05/03/18 10:07	05/15/18 13:29	1
PCB-168	0.00130	J q C153	0.020	0.00041	ng/g		05/03/18 10:07	05/15/18 13:29	1
PCB-169	0.00212	J q	0.010	0.00032	ng/g		05/03/18 10:07	05/15/18 13:29	1
PCB-170	ND		0.010	0.00042	ng/g		05/03/18 10:07	05/15/18 13:29	1
PCB-171	ND	C	0.020	0.00042	ng/g		05/03/18 10:07	05/15/18 13:29	1
PCB-172	0.00126	J q	0.010	0.00041	ng/g		05/03/18 10:07	05/15/18 13:29	1
PCB-173	ND	C171	0.020	0.00042	ng/g		05/03/18 10:07	05/15/18 13:29	1
PCB-174	ND		0.010	0.00039	ng/g		05/03/18 10:07	05/15/18 13:29	1
PCB-175	ND		0.010	0.00037	ng/g		05/03/18 10:07	05/15/18 13:29	1
PCB-176	ND		0.010	0.00028	ng/g		05/03/18 10:07	05/15/18 13:29	1
PCB-177	ND		0.010	0.00040	ng/g		05/03/18 10:07	05/15/18 13:29	1
PCB-178	ND		0.010	0.00041	ng/g		05/03/18 10:07	05/15/18 13:29	1
PCB-179	ND		0.010	0.00030	ng/g		05/03/18 10:07	05/15/18 13:29	1
PCB-180	0.00197	J q C	0.020	0.00031	ng/g		05/03/18 10:07	05/15/18 13:29	1
PCB-181	ND		0.010	0.00037	ng/g		05/03/18 10:07	05/15/18 13:29	1
PCB-182	ND		0.010	0.00036	ng/g		05/03/18 10:07	05/15/18 13:29	1
PCB-183	0.000792	J q C	0.020	0.00037	ng/g		05/03/18 10:07	05/15/18 13:29	1
PCB-184	ND		0.010	0.00031	ng/g		05/03/18 10:07	05/15/18 13:29	1
PCB-185	0.000792	J q C183	0.020	0.00037	ng/g		05/03/18 10:07	05/15/18 13:29	1
PCB-186	ND		0.010	0.00030	ng/g		05/03/18 10:07	05/15/18 13:29	1
PCB-187	0.00113	J q	0.010	0.00035	ng/g		05/03/18 10:07	05/15/18 13:29	1
PCB-188	ND		0.010	0.00027	ng/g		05/03/18 10:07	05/15/18 13:29	1
PCB-189	0.00191	J	0.010	0.00026	ng/g		05/03/18 10:07	05/15/18 13:29	1
PCB-190	ND		0.010	0.00027	ng/g		05/03/18 10:07	05/15/18 13:29	1
PCB-191	0.000938	J q	0.010	0.00028	ng/g		05/03/18 10:07	05/15/18 13:29	1
PCB-192	0.00143	J q	0.010	0.00032	ng/g		05/03/18 10:07	05/15/18 13:29	1

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

Lab Sample ID: MB 140-20064/16-B
Matrix: Solid
Analysis Batch: 20342

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 20064

Analyte	MB Result	MB Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-193	0.00197	J q C180	0.020	0.00031	ng/g		05/03/18 10:07	05/15/18 13:29	1
PCB-194	0.00133	J q	0.010	0.00034	ng/g		05/03/18 10:07	05/15/18 13:29	1
PCB-195	ND		0.010	0.00038	ng/g		05/03/18 10:07	05/15/18 13:29	1
PCB-196	0.00144	J q	0.010	0.00023	ng/g		05/03/18 10:07	05/15/18 13:29	1
PCB-197	ND		0.010	0.00017	ng/g		05/03/18 10:07	05/15/18 13:29	1
PCB-198	ND	C	0.020	0.00023	ng/g		05/03/18 10:07	05/15/18 13:29	1
PCB-199	ND	C198	0.020	0.00023	ng/g		05/03/18 10:07	05/15/18 13:29	1
PCB-200	0.000712	J q	0.010	0.00015	ng/g		05/03/18 10:07	05/15/18 13:29	1
PCB-201	ND		0.010	0.00016	ng/g		05/03/18 10:07	05/15/18 13:29	1
PCB-202	ND		0.010	0.00018	ng/g		05/03/18 10:07	05/15/18 13:29	1
PCB-203	ND		0.010	0.00021	ng/g		05/03/18 10:07	05/15/18 13:29	1
PCB-204	ND		0.010	0.00017	ng/g		05/03/18 10:07	05/15/18 13:29	1
PCB-205	0.00259	J	0.010	0.00029	ng/g		05/03/18 10:07	05/15/18 13:29	1
PCB-206	ND		0.010	0.0013	ng/g		05/03/18 10:07	05/15/18 13:29	1
PCB-207	ND		0.010	0.00091	ng/g		05/03/18 10:07	05/15/18 13:29	1
PCB-208	ND		0.010	0.00093	ng/g		05/03/18 10:07	05/15/18 13:29	1
PCB-209	ND		0.010	0.00010	ng/g		05/03/18 10:07	05/15/18 13:29	1

Isotope Dilution	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
PCB-1L	*100*		*30 - 140*	*05/03/18 10:07*	*05/15/18 13:29*	*1*
PCB-3L	*92*		*30 - 140*	*05/03/18 10:07*	*05/15/18 13:29*	*1*
PCB-4L	*79*		*30 - 140*	*05/03/18 10:07*	*05/15/18 13:29*	*1*
PCB-15L	*70*		*30 - 140*	*05/03/18 10:07*	*05/15/18 13:29*	*1*
PCB-19L	*80*		*30 - 140*	*05/03/18 10:07*	*05/15/18 13:29*	*1*
PCB-37L	*77*		*30 - 140*	*05/03/18 10:07*	*05/15/18 13:29*	*1*
PCB-54L	*90*		*30 - 140*	*05/03/18 10:07*	*05/15/18 13:29*	*1*
PCB-77L	*71*		*30 - 140*	*05/03/18 10:07*	*05/15/18 13:29*	*1*
PCB-81L	*70*		*30 - 140*	*05/03/18 10:07*	*05/15/18 13:29*	*1*
PCB-104L	*85*		*30 - 140*	*05/03/18 10:07*	*05/15/18 13:29*	*1*
PCB-105L	*83*		*30 - 140*	*05/03/18 10:07*	*05/15/18 13:29*	*1*
PCB-114L	*81*		*30 - 140*	*05/03/18 10:07*	*05/15/18 13:29*	*1*
PCB-118L	*82*		*30 - 140*	*05/03/18 10:07*	*05/15/18 13:29*	*1*
PCB-123L	*79*		*30 - 140*	*05/03/18 10:07*	*05/15/18 13:29*	*1*
PCB-126L	*63*		*30 - 140*	*05/03/18 10:07*	*05/15/18 13:29*	*1*
PCB-155L	*82*		*30 - 140*	*05/03/18 10:07*	*05/15/18 13:29*	*1*
PCB-156L	*88*	*C*	*30 - 140*	*05/03/18 10:07*	*05/15/18 13:29*	*1*
PCB-157L	*88*	*C156*	*30 - 140*	*05/03/18 10:07*	*05/15/18 13:29*	*1*
PCB-167L	*83*		*30 - 140*	*05/03/18 10:07*	*05/15/18 13:29*	*1*
PCB-169L	*86*		*30 - 140*	*05/03/18 10:07*	*05/15/18 13:29*	*1*
PCB-170L	*81*		*30 - 140*	*05/03/18 10:07*	*05/15/18 13:29*	*1*
PCB-188L	*81*		*30 - 140*	*05/03/18 10:07*	*05/15/18 13:29*	*1*
PCB-189L	*77*		*30 - 140*	*05/03/18 10:07*	*05/15/18 13:29*	*1*
PCB-202L	*88*		*30 - 140*	*05/03/18 10:07*	*05/15/18 13:29*	*1*
PCB-205L	*73*		*30 - 140*	*05/03/18 10:07*	*05/15/18 13:29*	*1*
PCB-206L	*74*		*30 - 140*	*05/03/18 10:07*	*05/15/18 13:29*	*1*
PCB-208L	*72*		*30 - 140*	*05/03/18 10:07*	*05/15/18 13:29*	*1*
PCB-209L	*65*		*30 - 140*	*05/03/18 10:07*	*05/15/18 13:29*	*1*

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

Lab Sample ID: MB 140-20064/16-B
Matrix: Solid
Analysis Batch: 20342

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 20064

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
PCB-28L	93		40 - 125	05/03/18 10:07	05/15/18 13:29	1
PCB-111L	89		40 - 125	05/03/18 10:07	05/15/18 13:29	1
PCB-178L	84		40 - 125	05/03/18 10:07	05/15/18 13:29	1

Lab Sample ID: LCS 140-20064/17-B
Matrix: Solid
Analysis Batch: 20342

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 20064

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1	0.500	0.413		ng/g		83	50 - 150
PCB-3	0.500	0.425		ng/g		85	50 - 150
PCB-4	0.500	0.492		ng/g		98	50 - 150
PCB-15	0.500	0.537		ng/g		107	50 - 150
PCB-19	0.500	0.629		ng/g		126	50 - 150
PCB-37	0.500	0.529		ng/g		106	50 - 150
PCB-54	0.500	0.488		ng/g		98	50 - 150
PCB-77	0.500	0.533		ng/g		107	50 - 150
PCB-81	0.500	0.506		ng/g		101	50 - 150
PCB-104	0.500	0.572		ng/g		114	50 - 150
PCB-105	0.500	0.532		ng/g		106	50 - 150
PCB-114	0.500	0.547		ng/g		109	50 - 150
PCB-118	0.500	0.524		ng/g		105	50 - 150
PCB-123	0.500	0.571		ng/g		114	50 - 150
PCB-126	0.500	0.578		ng/g		116	50 - 150
PCB-155	0.500	0.525		ng/g		105	50 - 150
PCB-156	1.00	1.15	C	ng/g		115	50 - 150
PCB-157	1.00	1.15	C156	ng/g		115	50 - 150
PCB-167	0.500	0.567		ng/g		113	50 - 150
PCB-169	0.500	0.509		ng/g		102	50 - 150
PCB-188	0.500	0.541		ng/g		108	50 - 150
PCB-189	0.500	0.510		ng/g		102	50 - 150
PCB-202	0.500	0.488		ng/g		98	50 - 150
PCB-205	0.500	0.618		ng/g		124	50 - 150
PCB-206	0.500	0.528		ng/g		106	50 - 150
PCB-208	0.500	0.561		ng/g		112	50 - 150
PCB-209	0.500	0.571		ng/g		114	50 - 150

Isotope Dilution	LCS %Recovery	LCS Qualifier	Limits
PCB-1L	94		30 - 140
PCB-3L	85		30 - 140
PCB-4L	78		30 - 140
PCB-15L	70		30 - 140
PCB-19L	79		30 - 140
PCB-37L	75		30 - 140
PCB-54L	85		30 - 140
PCB-77L	77		30 - 140
PCB-81L	76		30 - 140
PCB-104L	74		30 - 140

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

Lab Sample ID: LCS 140-20064/17-B
Matrix: Solid
Analysis Batch: 20342

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 20064

Isotope Dilution	LCS %Recovery	LCS Qualifier	Limits
PCB-105L	84		30 - 140
PCB-114L	83		30 - 140
PCB-118L	82		30 - 140
PCB-123L	79		30 - 140
PCB-126L	80		30 - 140
PCB-155L	79		30 - 140
PCB-156L	84	C	30 - 140
PCB-157L	84	C156	30 - 140
PCB-167L	84		30 - 140
PCB-169L	89		30 - 140
PCB-170L	82		30 - 140
PCB-188L	83		30 - 140
PCB-189L	85		30 - 140
PCB-202L	89		30 - 140
PCB-205L	72		30 - 140
PCB-206L	72		30 - 140
PCB-208L	73		30 - 140
PCB-209L	66		30 - 140

Surrogate	LCS %Recovery	LCS Qualifier	Limits
PCB-28L	87		40 - 125
PCB-111L	92		40 - 125
PCB-178L	88		40 - 125

Lab Sample ID: LCSD 140-20064/18-B
Matrix: Solid
Analysis Batch: 20342

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 20064

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
PCB-1			0.500	0.495		ng/g		99	50 - 150	18	50
PCB-3			0.500	0.539		ng/g		108	50 - 150	24	50
PCB-4			0.500	0.507		ng/g		101	50 - 150	3	50
PCB-15			0.500	0.604		ng/g		121	50 - 150	12	50
PCB-19			0.500	0.616		ng/g		123	50 - 150	2	50
PCB-37			0.500	0.586		ng/g		117	50 - 150	10	50
PCB-54			0.500	0.527		ng/g		105	50 - 150	8	50
PCB-77			0.500	0.560		ng/g		112	50 - 150	5	50
PCB-81			0.500	0.549		ng/g		110	50 - 150	8	50
PCB-104			0.500	0.573		ng/g		115	50 - 150	0	50
PCB-105			0.500	0.560		ng/g		112	50 - 150	5	50
PCB-114			0.500	0.595		ng/g		119	50 - 150	8	50
PCB-118			0.500	0.581		ng/g		116	50 - 150	10	50
PCB-123			0.500	0.636		ng/g		127	50 - 150	11	50
PCB-126			0.500	0.648		ng/g		130	50 - 150	12	50
PCB-155			0.500	0.541		ng/g		108	50 - 150	3	50
PCB-156			1.00	1.16	C	ng/g		116	50 - 150	1	50
PCB-157			1.00	1.16	C156	ng/g		116	50 - 150	1	50
PCB-167			0.500	0.584		ng/g		117	50 - 150	3	50

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

Lab Sample ID: LCSD 140-20064/18-B
Matrix: Solid
Analysis Batch: 20342

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 20064

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
PCB-169			0.500	0.551		ng/g		110	50 - 150	8	50
PCB-188			0.500	0.530		ng/g		106	50 - 150	2	50
PCB-189			0.500	0.586		ng/g		117	50 - 150	14	50
PCB-202			0.500	0.485		ng/g		97	50 - 150	1	50
PCB-205			0.500	0.652		ng/g		130	50 - 150	5	50
PCB-206			0.500	0.552		ng/g		110	50 - 150	4	50
PCB-208			0.500	0.561		ng/g		112	50 - 150	0	50
PCB-209			0.500	0.580		ng/g		116	50 - 150	1	50

Isotope Dilution	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
PCB-1L	*98*		*30 - 140*
PCB-3L	*89*		*30 - 140*
PCB-4L	*79*		*30 - 140*
PCB-15L	*68*		*30 - 140*
PCB-19L	*82*		*30 - 140*
PCB-37L	*81*		*30 - 140*
PCB-54L	*83*		*30 - 140*
PCB-77L	*82*		*30 - 140*
PCB-81L	*80*		*30 - 140*
PCB-104L	*76*		*30 - 140*
PCB-105L	*86*		*30 - 140*
PCB-114L	*88*		*30 - 140*
PCB-118L	*83*		*30 - 140*
PCB-123L	*82*		*30 - 140*
PCB-126L	*76*		*30 - 140*
PCB-155L	*82*		*30 - 140*
PCB-156L	*92*	*C*	*30 - 140*
PCB-157L	*92*	*C156*	*30 - 140*
PCB-167L	*86*		*30 - 140*
PCB-169L	*95*		*30 - 140*
PCB-170L	*84*		*30 - 140*
PCB-188L	*84*		*30 - 140*
PCB-189L	*93*		*30 - 140*
PCB-202L	*89*		*30 - 140*
PCB-205L	*74*		*30 - 140*
PCB-206L	*68*		*30 - 140*
PCB-208L	*72*		*30 - 140*
PCB-209L	*63*		*30 - 140*

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
PCB-28L	*91*		*40 - 125*
PCB-111L	*89*		*40 - 125*
PCB-178L	*85*		*40 - 125*

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

Lab Sample ID: 580-76830-21 MS
Matrix: Solid
Analysis Batch: 20361

Client Sample ID: PDI-SG-B288-BL1
Prep Type: Total/NA
Prep Batch: 20064

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1	0.065		0.761	0.759		ng/g	☼	91	50 - 150
PCB-3	0.051		0.761	0.796		ng/g	☼	98	50 - 150
PCB-4	0.096	q	0.761	0.846		ng/g	☼	99	50 - 150
PCB-15	0.11		0.761	0.895		ng/g	☼	103	50 - 150
PCB-19	0.20		0.761	1.08		ng/g	☼	116	50 - 150
PCB-37	0.11		0.761	0.945		ng/g	☼	109	50 - 150
PCB-54	0.18		0.761	0.933		ng/g	☼	99	50 - 150
PCB-77	0.078		0.761	0.931	G	ng/g	☼	112	50 - 150
PCB-81	ND		0.761	0.789	G	ng/g	☼	104	50 - 150
PCB-104	0.048		0.761	0.899		ng/g	☼	112	50 - 150
PCB-105	0.99		0.761	3.06	F1	ng/g	☼	272	50 - 150
PCB-114	0.058		0.761	1.05		ng/g	☼	130	50 - 150
PCB-118	3.5		0.761	6.93	4	ng/g	☼	450	50 - 150
PCB-123	ND		0.761	1.01		ng/g	☼	133	50 - 150
PCB-126	ND		0.761	1.00		ng/g	☼	132	50 - 150
PCB-155	0.0064	J q	0.761	0.826		ng/g	☼	108	50 - 150
PCB-156	0.90	C	1.52	3.81	C F1 G	ng/g	☼	191	50 - 150
PCB-157	0.90	C156	1.52	3.81	C156 F1 G	ng/g	☼	191	50 - 150
PCB-167	0.32		0.761	1.61	F1 G	ng/g	☼	168	50 - 150
PCB-169	ND		0.761	0.959	G	ng/g	☼	126	50 - 150
PCB-188	ND		0.761	0.880		ng/g	☼	116	50 - 150
PCB-189	0.15		0.761	1.38	F1	ng/g	☼	161	50 - 150
PCB-202	0.30		0.761	1.43		ng/g	☼	148	50 - 150
PCB-205	0.10		0.761	1.32	F1	ng/g	☼	161	50 - 150
PCB-206	0.51	G q	0.761	2.08	F1	ng/g	☼	205	50 - 150
PCB-208	0.090	G q	0.761	1.11		ng/g	☼	134	50 - 150
PCB-209	0.32		0.761	1.17		ng/g	☼	112	50 - 150

Isotope Dilution	*MS %Recovery*	*MS Qualifier*	*Limits*
PCB-1L	*89*		*30 - 140*
PCB-3L	*94*		*30 - 140*
PCB-4L	*74*		*30 - 140*
PCB-15L	*74*		*30 - 140*
PCB-19L	*98*		*30 - 140*
PCB-37L	*87*		*30 - 140*
PCB-54L	*95*		*30 - 140*
PCB-77L	*73*		*30 - 140*
PCB-81L	*77*		*30 - 140*
PCB-104L	*86*		*30 - 140*
PCB-105L	*96*		*30 - 140*
PCB-114L	*99*		*30 - 140*
PCB-118L	*98*		*30 - 140*
PCB-123L	*97*		*30 - 140*
PCB-126L	*83*		*30 - 140*
PCB-155L	*87*		*30 - 140*
PCB-156L	*83*	*C*	*30 - 140*
PCB-157L	*83*	*C156*	*30 - 140*

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

Lab Sample ID: 580-76830-21 MS
Matrix: Solid
Analysis Batch: 20361

Client Sample ID: PDI-SG-B288-BL1
Prep Type: Total/NA
Prep Batch: 20064

Isotope Dilution	MS %Recovery	MS Qualifier	Limits
PCB-167L	88		30 - 140
PCB-169L	79		30 - 140
PCB-170L	82		30 - 140
PCB-188L	105		30 - 140
PCB-189L	116		30 - 140
PCB-202L	100		30 - 140
PCB-205L	75		30 - 140
PCB-206L	77		30 - 140
PCB-208L	82		30 - 140
PCB-209L	76		30 - 140

Surrogate	MS %Recovery	MS Qualifier	Limits
PCB-28L	91		40 - 125
PCB-111L	85		40 - 125
PCB-178L	97		40 - 125

Lab Sample ID: 580-76830-21 MSD
Matrix: Solid
Analysis Batch: 20361

Client Sample ID: PDI-SG-B288-BL1
Prep Type: Total/NA
Prep Batch: 20064

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
PCB-1	0.065		0.781	0.758		ng/g	☼	89	50 - 150	0	50
PCB-3	0.051		0.781	0.803		ng/g	☼	96	50 - 150	1	50
PCB-4	0.096	q	0.781	0.867		ng/g	☼	99	50 - 150	2	50
PCB-15	0.11		0.781	0.908		ng/g	☼	102	50 - 150	1	50
PCB-19	0.20		0.781	1.10		ng/g	☼	116	50 - 150	2	50
PCB-37	0.11		0.781	0.928		ng/g	☼	104	50 - 150	2	50
PCB-54	0.18		0.781	0.982		ng/g	☼	103	50 - 150	5	50
PCB-77	0.078		0.781	0.906	G	ng/g	☼	106	50 - 150	3	50
PCB-81	ND		0.781	0.795		ng/g	☼	102	50 - 150	1	50
PCB-104	0.048		0.781	0.959		ng/g	☼	117	50 - 150	6	50
PCB-105	0.99		0.781	1.93		ng/g	☼	120	50 - 150	45	50
PCB-114	0.058		0.781	1.01		ng/g	☼	121	50 - 150	4	50
PCB-118	3.5		0.781	6.07	4	ng/g	☼	328	50 - 150	13	50
PCB-123	ND		0.781	1.06		ng/g	☼	136	50 - 150	5	50
PCB-126	ND		0.781	0.927		ng/g	☼	119	50 - 150	8	50
PCB-155	0.0064	J q	0.781	0.826		ng/g	☼	105	50 - 150	0	50
PCB-156	0.90	C	1.56	6.85	C F1 F2 G	ng/g	☼	380	50 - 150	57	50
PCB-157	0.90	C156	1.56	6.85	C156 F1 F2 G	ng/g	☼	380	50 - 150	57	50
PCB-167	0.32		0.781	2.77	F1 F2 G	ng/g	☼	314	50 - 150	53	50
PCB-169	ND		0.781	1.14	G	ng/g	☼	146	50 - 150	18	50
PCB-188	ND		0.781	0.903		ng/g	☼	116	50 - 150	3	50
PCB-189	0.15		0.781	2.37	F1 F2	ng/g	☼	284	50 - 150	53	50
PCB-202	0.30		0.781	2.75	F1 F2	ng/g	☼	313	50 - 150	63	50
PCB-205	0.10		0.781	1.95	F1	ng/g	☼	237	50 - 150	38	50
PCB-206	0.51	G q	0.781	3.93	F1 F2	ng/g	☼	437	50 - 150	62	50
PCB-208	0.090	G q	0.781	1.53	F1	ng/g	☼	185	50 - 150	32	50

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

Lab Sample ID: 580-76830-21 MSD
Matrix: Solid
Analysis Batch: 20361

Client Sample ID: PDI-SG-B288-BL1
Prep Type: Total/NA
Prep Batch: 20064

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
PCB-209	0.32		0.781	1.44		ng/g	☼	144	50 - 150	21	50

Isotope Dilution	*MSD %Recovery*	*MSD Qualifier*	*Limits*
PCB-1L	*86*		*30 - 140*
PCB-3L	*89*		*30 - 140*
PCB-4L	*73*		*30 - 140*
PCB-15L	*72*		*30 - 140*
PCB-19L	*94*		*30 - 140*
PCB-37L	*82*		*30 - 140*
PCB-54L	*88*		*30 - 140*
PCB-77L	*74*		*30 - 140*
PCB-81L	*77*		*30 - 140*
PCB-104L	*77*		*30 - 140*
PCB-105L	*86*		*30 - 140*
PCB-114L	*86*		*30 - 140*
PCB-118L	*86*		*30 - 140*
PCB-123L	*84*		*30 - 140*
PCB-126L	*79*		*30 - 140*
PCB-155L	*80*		*30 - 140*
PCB-156L	*80*	*C*	*30 - 140*
PCB-157L	*80*	*C156*	*30 - 140*
PCB-167L	*85*		*30 - 140*
PCB-169L	*77*		*30 - 140*
PCB-170L	*83*		*30 - 140*
PCB-188L	*101*		*30 - 140*
PCB-189L	*117*		*30 - 140*
PCB-202L	*98*		*30 - 140*
PCB-205L	*79*		*30 - 140*
PCB-206L	*75*		*30 - 140*
PCB-208L	*83*		*30 - 140*
PCB-209L	*73*		*30 - 140*

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
PCB-28L	*87*		*40 - 125*
PCB-111L	*83*		*40 - 125*
PCB-178L	*97*		*40 - 125*

Lab Sample ID: MB 140-20159/16-B
Matrix: Solid
Analysis Batch: 20384

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 20159

Analyte	MB Result	MB Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1	0.00293	J	0.010	0.00013	ng/g		05/08/18 09:58	05/16/18 13:27	1
PCB-2	0.00336	J q	0.010	0.00015	ng/g		05/08/18 09:58	05/16/18 13:27	1
PCB-3	0.00245	J q	0.010	0.00017	ng/g		05/08/18 09:58	05/16/18 13:27	1
PCB-4	ND		0.020	0.0042	ng/g		05/08/18 09:58	05/16/18 13:27	1
PCB-5	ND		0.010	0.0037	ng/g		05/08/18 09:58	05/16/18 13:27	1
PCB-6	ND		0.010	0.0033	ng/g		05/08/18 09:58	05/16/18 13:27	1

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

Lab Sample ID: MB 140-20159/16-B
Matrix: Solid
Analysis Batch: 20384

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 20159

Analyte	MB Result	MB Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-7	ND		0.010	0.0034	ng/g		05/08/18 09:58	05/16/18 13:27	1
PCB-8	ND		0.020	0.0030	ng/g		05/08/18 09:58	05/16/18 13:27	1
PCB-9	ND		0.010	0.0034	ng/g		05/08/18 09:58	05/16/18 13:27	1
PCB-10	ND		0.010	0.0037	ng/g		05/08/18 09:58	05/16/18 13:27	1
PCB-11	ND		0.020	0.0032	ng/g		05/08/18 09:58	05/16/18 13:27	1
PCB-12	ND	C	0.020	0.0033	ng/g		05/08/18 09:58	05/16/18 13:27	1
PCB-13	ND	C12	0.020	0.0033	ng/g		05/08/18 09:58	05/16/18 13:27	1
PCB-14	ND		0.010	0.0028	ng/g		05/08/18 09:58	05/16/18 13:27	1
PCB-15	ND		0.010	0.0038	ng/g		05/08/18 09:58	05/16/18 13:27	1
PCB-16	ND		0.010	0.00057	ng/g		05/08/18 09:58	05/16/18 13:27	1
PCB-17	ND		0.010	0.00051	ng/g		05/08/18 09:58	05/16/18 13:27	1
PCB-18	ND	C	0.020	0.00045	ng/g		05/08/18 09:58	05/16/18 13:27	1
PCB-19	ND		0.010	0.00063	ng/g		05/08/18 09:58	05/16/18 13:27	1
PCB-20	ND	C	0.020	0.00047	ng/g		05/08/18 09:58	05/16/18 13:27	1
PCB-21	ND	C	0.020	0.00046	ng/g		05/08/18 09:58	05/16/18 13:27	1
PCB-22	ND		0.010	0.00049	ng/g		05/08/18 09:58	05/16/18 13:27	1
PCB-23	ND		0.010	0.00048	ng/g		05/08/18 09:58	05/16/18 13:27	1
PCB-24	ND		0.010	0.00043	ng/g		05/08/18 09:58	05/16/18 13:27	1
PCB-25	ND		0.010	0.00044	ng/g		05/08/18 09:58	05/16/18 13:27	1
PCB-26	ND	C	0.020	0.00047	ng/g		05/08/18 09:58	05/16/18 13:27	1
PCB-27	ND		0.010	0.00037	ng/g		05/08/18 09:58	05/16/18 13:27	1
PCB-28	ND	C20	0.020	0.00047	ng/g		05/08/18 09:58	05/16/18 13:27	1
PCB-29	ND	C26	0.020	0.00047	ng/g		05/08/18 09:58	05/16/18 13:27	1
PCB-30	ND	C18	0.020	0.00045	ng/g		05/08/18 09:58	05/16/18 13:27	1
PCB-31	ND		0.020	0.00046	ng/g		05/08/18 09:58	05/16/18 13:27	1
PCB-32	0.000601	J q	0.010	0.00036	ng/g		05/08/18 09:58	05/16/18 13:27	1
PCB-33	ND	C21	0.020	0.00046	ng/g		05/08/18 09:58	05/16/18 13:27	1
PCB-34	ND		0.010	0.00050	ng/g		05/08/18 09:58	05/16/18 13:27	1
PCB-35	ND		0.010	0.00049	ng/g		05/08/18 09:58	05/16/18 13:27	1
PCB-36	ND		0.010	0.00047	ng/g		05/08/18 09:58	05/16/18 13:27	1
PCB-37	ND		0.010	0.00048	ng/g		05/08/18 09:58	05/16/18 13:27	1
PCB-38	ND		0.010	0.00050	ng/g		05/08/18 09:58	05/16/18 13:27	1
PCB-39	ND		0.010	0.00045	ng/g		05/08/18 09:58	05/16/18 13:27	1
PCB-40	ND	C	0.030	0.00063	ng/g		05/08/18 09:58	05/16/18 13:27	1
PCB-41	ND	C40	0.030	0.00063	ng/g		05/08/18 09:58	05/16/18 13:27	1
PCB-42	ND		0.010	0.00063	ng/g		05/08/18 09:58	05/16/18 13:27	1
PCB-43	ND	C	0.020	0.00059	ng/g		05/08/18 09:58	05/16/18 13:27	1
PCB-44	0.00115	J C q	0.030	0.00056	ng/g		05/08/18 09:58	05/16/18 13:27	1
PCB-45	ND	C	0.020	0.00066	ng/g		05/08/18 09:58	05/16/18 13:27	1
PCB-46	ND		0.010	0.00080	ng/g		05/08/18 09:58	05/16/18 13:27	1
PCB-47	0.00115	J C44 q	0.030	0.00056	ng/g		05/08/18 09:58	05/16/18 13:27	1
PCB-48	ND		0.010	0.00063	ng/g		05/08/18 09:58	05/16/18 13:27	1
PCB-49	ND	C	0.020	0.00051	ng/g		05/08/18 09:58	05/16/18 13:27	1
PCB-50	ND	C	0.020	0.00061	ng/g		05/08/18 09:58	05/16/18 13:27	1
PCB-51	ND	C45	0.020	0.00066	ng/g		05/08/18 09:58	05/16/18 13:27	1
PCB-52	ND		0.010	0.00062	ng/g		05/08/18 09:58	05/16/18 13:27	1
PCB-53	ND	C50	0.020	0.00061	ng/g		05/08/18 09:58	05/16/18 13:27	1
PCB-54	ND		0.010	0.00016	ng/g		05/08/18 09:58	05/16/18 13:27	1

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

Lab Sample ID: MB 140-20159/16-B
Matrix: Solid
Analysis Batch: 20384

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 20159

Analyte	MB Result	MB Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-55	ND		0.010	0.00046	ng/g		05/08/18 09:58	05/16/18 13:27	1
PCB-56	ND		0.010	0.00046	ng/g		05/08/18 09:58	05/16/18 13:27	1
PCB-57	ND		0.010	0.00046	ng/g		05/08/18 09:58	05/16/18 13:27	1
PCB-58	ND		0.010	0.00047	ng/g		05/08/18 09:58	05/16/18 13:27	1
PCB-59	ND	C	0.030	0.00044	ng/g		05/08/18 09:58	05/16/18 13:27	1
PCB-60	ND		0.010	0.00047	ng/g		05/08/18 09:58	05/16/18 13:27	1
PCB-61	ND	C	0.040	0.00044	ng/g		05/08/18 09:58	05/16/18 13:27	1
PCB-62	ND	C59	0.030	0.00044	ng/g		05/08/18 09:58	05/16/18 13:27	1
PCB-63	ND		0.010	0.00042	ng/g		05/08/18 09:58	05/16/18 13:27	1
PCB-64	ND		0.010	0.00042	ng/g		05/08/18 09:58	05/16/18 13:27	1
PCB-65	0.00115	J C44 q	0.030	0.00056	ng/g		05/08/18 09:58	05/16/18 13:27	1
PCB-66	0.00109	J	0.010	0.00043	ng/g		05/08/18 09:58	05/16/18 13:27	1
PCB-67	ND		0.010	0.00040	ng/g		05/08/18 09:58	05/16/18 13:27	1
PCB-68	ND		0.010	0.00041	ng/g		05/08/18 09:58	05/16/18 13:27	1
PCB-69	ND	C49	0.020	0.00051	ng/g		05/08/18 09:58	05/16/18 13:27	1
PCB-70	ND	C61	0.040	0.00044	ng/g		05/08/18 09:58	05/16/18 13:27	1
PCB-71	ND	C40	0.030	0.00063	ng/g		05/08/18 09:58	05/16/18 13:27	1
PCB-72	ND		0.010	0.00045	ng/g		05/08/18 09:58	05/16/18 13:27	1
PCB-73	ND	C43	0.020	0.00059	ng/g		05/08/18 09:58	05/16/18 13:27	1
PCB-74	ND	C61	0.040	0.00044	ng/g		05/08/18 09:58	05/16/18 13:27	1
PCB-75	ND	C59	0.030	0.00044	ng/g		05/08/18 09:58	05/16/18 13:27	1
PCB-76	ND	C61	0.040	0.00044	ng/g		05/08/18 09:58	05/16/18 13:27	1
PCB-77	ND		0.010	0.00045	ng/g		05/08/18 09:58	05/16/18 13:27	1
PCB-78	ND		0.010	0.00047	ng/g		05/08/18 09:58	05/16/18 13:27	1
PCB-79	ND		0.010	0.00041	ng/g		05/08/18 09:58	05/16/18 13:27	1
PCB-80	ND		0.010	0.00040	ng/g		05/08/18 09:58	05/16/18 13:27	1
PCB-81	ND		0.010	0.00042	ng/g		05/08/18 09:58	05/16/18 13:27	1
PCB-82	ND		0.010	0.00046	ng/g		05/08/18 09:58	05/16/18 13:27	1
PCB-83	ND	C	0.020	0.00042	ng/g		05/08/18 09:58	05/16/18 13:27	1
PCB-84	ND		0.010	0.00047	ng/g		05/08/18 09:58	05/16/18 13:27	1
PCB-85	ND	C	0.030	0.00034	ng/g		05/08/18 09:58	05/16/18 13:27	1
PCB-86	ND	C	0.060	0.00034	ng/g		05/08/18 09:58	05/16/18 13:27	1
PCB-87	ND	C86	0.060	0.00034	ng/g		05/08/18 09:58	05/16/18 13:27	1
PCB-88	ND	C	0.020	0.00042	ng/g		05/08/18 09:58	05/16/18 13:27	1
PCB-89	ND		0.010	0.00045	ng/g		05/08/18 09:58	05/16/18 13:27	1
PCB-90	ND	C	0.030	0.00035	ng/g		05/08/18 09:58	05/16/18 13:27	1
PCB-91	ND	C88	0.020	0.00042	ng/g		05/08/18 09:58	05/16/18 13:27	1
PCB-92	ND		0.010	0.00040	ng/g		05/08/18 09:58	05/16/18 13:27	1
PCB-93	ND	C	0.020	0.00040	ng/g		05/08/18 09:58	05/16/18 13:27	1
PCB-94	ND		0.010	0.00045	ng/g		05/08/18 09:58	05/16/18 13:27	1
PCB-95	ND		0.010	0.00044	ng/g		05/08/18 09:58	05/16/18 13:27	1
PCB-96	ND		0.010	0.00034	ng/g		05/08/18 09:58	05/16/18 13:27	1
PCB-97	ND	C86	0.060	0.00034	ng/g		05/08/18 09:58	05/16/18 13:27	1
PCB-98	ND	C	0.020	0.00039	ng/g		05/08/18 09:58	05/16/18 13:27	1
PCB-99	ND	C83	0.020	0.00042	ng/g		05/08/18 09:58	05/16/18 13:27	1
PCB-100	ND	C93	0.020	0.00040	ng/g		05/08/18 09:58	05/16/18 13:27	1
PCB-101	ND	C90	0.030	0.00035	ng/g		05/08/18 09:58	05/16/18 13:27	1
PCB-102	ND	C98	0.020	0.00039	ng/g		05/08/18 09:58	05/16/18 13:27	1

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

Lab Sample ID: MB 140-20159/16-B
Matrix: Solid
Analysis Batch: 20384

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 20159

Analyte	MB Result	MB Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-103	ND		0.010	0.00040	ng/g		05/08/18 09:58	05/16/18 13:27	1
PCB-104	ND		0.010	0.00030	ng/g		05/08/18 09:58	05/16/18 13:27	1
PCB-105	ND		0.010	0.00062	ng/g		05/08/18 09:58	05/16/18 13:27	1
PCB-106	ND		0.010	0.00065	ng/g		05/08/18 09:58	05/16/18 13:27	1
PCB-107	ND		0.010	0.00069	ng/g		05/08/18 09:58	05/16/18 13:27	1
PCB-108	ND	C	0.020	0.00066	ng/g		05/08/18 09:58	05/16/18 13:27	1
PCB-109	ND	C86	0.060	0.00034	ng/g		05/08/18 09:58	05/16/18 13:27	1
PCB-110	ND	C	0.020	0.00029	ng/g		05/08/18 09:58	05/16/18 13:27	1
PCB-111	ND		0.010	0.00028	ng/g		05/08/18 09:58	05/16/18 13:27	1
PCB-112	ND		0.010	0.00030	ng/g		05/08/18 09:58	05/16/18 13:27	1
PCB-113	ND	C90	0.030	0.00035	ng/g		05/08/18 09:58	05/16/18 13:27	1
PCB-114	ND		0.010	0.00061	ng/g		05/08/18 09:58	05/16/18 13:27	1
PCB-115	ND	C110	0.020	0.00029	ng/g		05/08/18 09:58	05/16/18 13:27	1
PCB-116	ND	C85	0.030	0.00034	ng/g		05/08/18 09:58	05/16/18 13:27	1
PCB-117	ND	C85	0.030	0.00034	ng/g		05/08/18 09:58	05/16/18 13:27	1
PCB-118	ND		0.010	0.00061	ng/g		05/08/18 09:58	05/16/18 13:27	1
PCB-119	ND	C86	0.060	0.00034	ng/g		05/08/18 09:58	05/16/18 13:27	1
PCB-120	ND		0.010	0.00029	ng/g		05/08/18 09:58	05/16/18 13:27	1
PCB-121	ND		0.010	0.00029	ng/g		05/08/18 09:58	05/16/18 13:27	1
PCB-122	ND		0.010	0.00075	ng/g		05/08/18 09:58	05/16/18 13:27	1
PCB-123	ND		0.010	0.00066	ng/g		05/08/18 09:58	05/16/18 13:27	1
PCB-124	ND	C108	0.020	0.00066	ng/g		05/08/18 09:58	05/16/18 13:27	1
PCB-125	ND	C86	0.060	0.00034	ng/g		05/08/18 09:58	05/16/18 13:27	1
PCB-126	ND		0.010	0.00067	ng/g		05/08/18 09:58	05/16/18 13:27	1
PCB-127	ND		0.010	0.00065	ng/g		05/08/18 09:58	05/16/18 13:27	1
PCB-128	ND	C	0.020	0.00081	ng/g		05/08/18 09:58	05/16/18 13:27	1
PCB-129	0.00233	J C q	0.040	0.00084	ng/g		05/08/18 09:58	05/16/18 13:27	1
PCB-130	ND		0.010	0.0011	ng/g		05/08/18 09:58	05/16/18 13:27	1
PCB-131	ND		0.010	0.0012	ng/g		05/08/18 09:58	05/16/18 13:27	1
PCB-132	ND		0.010	0.0011	ng/g		05/08/18 09:58	05/16/18 13:27	1
PCB-133	ND		0.010	0.0010	ng/g		05/08/18 09:58	05/16/18 13:27	1
PCB-134	ND	C	0.020	0.0011	ng/g		05/08/18 09:58	05/16/18 13:27	1
PCB-135	ND	C	0.020	0.00057	ng/g		05/08/18 09:58	05/16/18 13:27	1
PCB-136	ND		0.010	0.00041	ng/g		05/08/18 09:58	05/16/18 13:27	1
PCB-137	ND		0.010	0.00095	ng/g		05/08/18 09:58	05/16/18 13:27	1
PCB-138	0.00233	J C129 q	0.040	0.00084	ng/g		05/08/18 09:58	05/16/18 13:27	1
PCB-139	ND	C	0.020	0.00093	ng/g		05/08/18 09:58	05/16/18 13:27	1
PCB-140	ND	C139	0.020	0.00093	ng/g		05/08/18 09:58	05/16/18 13:27	1
PCB-141	ND		0.010	0.00098	ng/g		05/08/18 09:58	05/16/18 13:27	1
PCB-142	ND		0.010	0.0010	ng/g		05/08/18 09:58	05/16/18 13:27	1
PCB-143	ND	C134	0.020	0.0011	ng/g		05/08/18 09:58	05/16/18 13:27	1
PCB-144	ND		0.010	0.00051	ng/g		05/08/18 09:58	05/16/18 13:27	1
PCB-145	ND		0.010	0.00039	ng/g		05/08/18 09:58	05/16/18 13:27	1
PCB-146	ND		0.010	0.00092	ng/g		05/08/18 09:58	05/16/18 13:27	1
PCB-147	ND	C	0.020	0.0011	ng/g		05/08/18 09:58	05/16/18 13:27	1
PCB-148	ND		0.010	0.00055	ng/g		05/08/18 09:58	05/16/18 13:27	1
PCB-149	ND	C147	0.020	0.0011	ng/g		05/08/18 09:58	05/16/18 13:27	1
PCB-150	ND		0.010	0.00037	ng/g		05/08/18 09:58	05/16/18 13:27	1

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

Lab Sample ID: MB 140-20159/16-B
Matrix: Solid
Analysis Batch: 20384

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 20159

Analyte	MB Result	MB Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-151	ND	C135	0.020	0.00057	ng/g		05/08/18 09:58	05/16/18 13:27	1
PCB-152	ND		0.010	0.00040	ng/g		05/08/18 09:58	05/16/18 13:27	1
PCB-153	ND	C	0.020	0.00073	ng/g		05/08/18 09:58	05/16/18 13:27	1
PCB-154	ND		0.010	0.00044	ng/g		05/08/18 09:58	05/16/18 13:27	1
PCB-155	ND		0.010	0.00037	ng/g		05/08/18 09:58	05/16/18 13:27	1
PCB-156	0.00254	J C	0.020	0.00086	ng/g		05/08/18 09:58	05/16/18 13:27	1
PCB-157	0.00254	J C156	0.020	0.00086	ng/g		05/08/18 09:58	05/16/18 13:27	1
PCB-158	ND		0.010	0.00066	ng/g		05/08/18 09:58	05/16/18 13:27	1
PCB-159	ND		0.010	0.00070	ng/g		05/08/18 09:58	05/16/18 13:27	1
PCB-160	0.00233	J C129 q	0.040	0.00084	ng/g		05/08/18 09:58	05/16/18 13:27	1
PCB-161	ND		0.010	0.00069	ng/g		05/08/18 09:58	05/16/18 13:27	1
PCB-162	ND		0.010	0.00069	ng/g		05/08/18 09:58	05/16/18 13:27	1
PCB-163	0.00233	J C129 q	0.040	0.00084	ng/g		05/08/18 09:58	05/16/18 13:27	1
PCB-164	ND		0.010	0.00074	ng/g		05/08/18 09:58	05/16/18 13:27	1
PCB-165	ND		0.010	0.00079	ng/g		05/08/18 09:58	05/16/18 13:27	1
PCB-166	ND	C128	0.020	0.00081	ng/g		05/08/18 09:58	05/16/18 13:27	1
PCB-167	ND		0.010	0.00055	ng/g		05/08/18 09:58	05/16/18 13:27	1
PCB-168	ND	C153	0.020	0.00073	ng/g		05/08/18 09:58	05/16/18 13:27	1
PCB-169	0.00182	J q	0.010	0.00055	ng/g		05/08/18 09:58	05/16/18 13:27	1
PCB-170	ND		0.010	0.00091	ng/g		05/08/18 09:58	05/16/18 13:27	1
PCB-171	ND	C	0.020	0.00095	ng/g		05/08/18 09:58	05/16/18 13:27	1
PCB-172	ND		0.010	0.00094	ng/g		05/08/18 09:58	05/16/18 13:27	1
PCB-173	ND	C171	0.020	0.00095	ng/g		05/08/18 09:58	05/16/18 13:27	1
PCB-174	ND		0.010	0.00088	ng/g		05/08/18 09:58	05/16/18 13:27	1
PCB-175	ND		0.010	0.00086	ng/g		05/08/18 09:58	05/16/18 13:27	1
PCB-176	ND		0.010	0.00065	ng/g		05/08/18 09:58	05/16/18 13:27	1
PCB-177	ND		0.010	0.00091	ng/g		05/08/18 09:58	05/16/18 13:27	1
PCB-178	ND		0.010	0.00093	ng/g		05/08/18 09:58	05/16/18 13:27	1
PCB-179	ND		0.010	0.00068	ng/g		05/08/18 09:58	05/16/18 13:27	1
PCB-180	ND	C	0.020	0.00072	ng/g		05/08/18 09:58	05/16/18 13:27	1
PCB-181	ND		0.010	0.00085	ng/g		05/08/18 09:58	05/16/18 13:27	1
PCB-182	ND		0.010	0.00082	ng/g		05/08/18 09:58	05/16/18 13:27	1
PCB-183	ND	C	0.020	0.00084	ng/g		05/08/18 09:58	05/16/18 13:27	1
PCB-184	ND		0.010	0.00070	ng/g		05/08/18 09:58	05/16/18 13:27	1
PCB-185	ND	C183	0.020	0.00084	ng/g		05/08/18 09:58	05/16/18 13:27	1
PCB-186	ND		0.010	0.00068	ng/g		05/08/18 09:58	05/16/18 13:27	1
PCB-187	ND		0.010	0.00079	ng/g		05/08/18 09:58	05/16/18 13:27	1
PCB-188	ND		0.010	0.00064	ng/g		05/08/18 09:58	05/16/18 13:27	1
PCB-189	ND		0.010	0.0010	ng/g		05/08/18 09:58	05/16/18 13:27	1
PCB-190	0.00109	J q	0.010	0.00062	ng/g		05/08/18 09:58	05/16/18 13:27	1
PCB-191	ND		0.010	0.00064	ng/g		05/08/18 09:58	05/16/18 13:27	1
PCB-192	ND		0.010	0.00072	ng/g		05/08/18 09:58	05/16/18 13:27	1
PCB-193	ND	C180	0.020	0.00072	ng/g		05/08/18 09:58	05/16/18 13:27	1
PCB-194	ND		0.010	0.0013	ng/g		05/08/18 09:58	05/16/18 13:27	1
PCB-195	ND		0.010	0.0014	ng/g		05/08/18 09:58	05/16/18 13:27	1
PCB-196	ND		0.010	0.00049	ng/g		05/08/18 09:58	05/16/18 13:27	1
PCB-197	ND		0.010	0.00037	ng/g		05/08/18 09:58	05/16/18 13:27	1
PCB-198	ND	C	0.020	0.00049	ng/g		05/08/18 09:58	05/16/18 13:27	1

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

Lab Sample ID: MB 140-20159/16-B
Matrix: Solid
Analysis Batch: 20384

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 20159

Analyte	MB Result	MB Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-199	ND	C198	0.020	0.00049	ng/g		05/08/18 09:58	05/16/18 13:27	1
PCB-200	ND		0.010	0.00033	ng/g		05/08/18 09:58	05/16/18 13:27	1
PCB-201	ND		0.010	0.00034	ng/g		05/08/18 09:58	05/16/18 13:27	1
PCB-202	ND		0.010	0.00038	ng/g		05/08/18 09:58	05/16/18 13:27	1
PCB-203	ND		0.010	0.00044	ng/g		05/08/18 09:58	05/16/18 13:27	1
PCB-204	ND		0.010	0.00037	ng/g		05/08/18 09:58	05/16/18 13:27	1
PCB-205	ND		0.010	0.0011	ng/g		05/08/18 09:58	05/16/18 13:27	1
PCB-206	ND		0.010	0.0020	ng/g		05/08/18 09:58	05/16/18 13:27	1
PCB-207	ND		0.010	0.0015	ng/g		05/08/18 09:58	05/16/18 13:27	1
PCB-208	ND		0.010	0.0017	ng/g		05/08/18 09:58	05/16/18 13:27	1
PCB-209	ND		0.010	0.0016	ng/g		05/08/18 09:58	05/16/18 13:27	1

Isotope Dilution	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
PCB-1L	*97*		*30 - 140*	*05/08/18 09:58*	*05/16/18 13:27*	*1*
PCB-3L	*80*		*30 - 140*	*05/08/18 09:58*	*05/16/18 13:27*	*1*
PCB-4L	*80*		*30 - 140*	*05/08/18 09:58*	*05/16/18 13:27*	*1*
PCB-15L	*69*		*30 - 140*	*05/08/18 09:58*	*05/16/18 13:27*	*1*
PCB-19L	*84*		*30 - 140*	*05/08/18 09:58*	*05/16/18 13:27*	*1*
PCB-37L	*80*		*30 - 140*	*05/08/18 09:58*	*05/16/18 13:27*	*1*
PCB-54L	*88*		*30 - 140*	*05/08/18 09:58*	*05/16/18 13:27*	*1*
PCB-77L	*77*		*30 - 140*	*05/08/18 09:58*	*05/16/18 13:27*	*1*
PCB-81L	*77*		*30 - 140*	*05/08/18 09:58*	*05/16/18 13:27*	*1*
PCB-104L	*77*		*30 - 140*	*05/08/18 09:58*	*05/16/18 13:27*	*1*
PCB-105L	*84*		*30 - 140*	*05/08/18 09:58*	*05/16/18 13:27*	*1*
PCB-114L	*85*		*30 - 140*	*05/08/18 09:58*	*05/16/18 13:27*	*1*
PCB-118L	*81*		*30 - 140*	*05/08/18 09:58*	*05/16/18 13:27*	*1*
PCB-123L	*80*		*30 - 140*	*05/08/18 09:58*	*05/16/18 13:27*	*1*
PCB-126L	*82*		*30 - 140*	*05/08/18 09:58*	*05/16/18 13:27*	*1*
PCB-155L	*81*		*30 - 140*	*05/08/18 09:58*	*05/16/18 13:27*	*1*
PCB-156L	*89*	*C*	*30 - 140*	*05/08/18 09:58*	*05/16/18 13:27*	*1*
PCB-157L	*89*	*C156*	*30 - 140*	*05/08/18 09:58*	*05/16/18 13:27*	*1*
PCB-167L	*86*		*30 - 140*	*05/08/18 09:58*	*05/16/18 13:27*	*1*
PCB-169L	*87*		*30 - 140*	*05/08/18 09:58*	*05/16/18 13:27*	*1*
PCB-170L	*86*		*30 - 140*	*05/08/18 09:58*	*05/16/18 13:27*	*1*
PCB-188L	*83*		*30 - 140*	*05/08/18 09:58*	*05/16/18 13:27*	*1*
PCB-189L	*74*		*30 - 140*	*05/08/18 09:58*	*05/16/18 13:27*	*1*
PCB-202L	*94*		*30 - 140*	*05/08/18 09:58*	*05/16/18 13:27*	*1*
PCB-205L	*74*		*30 - 140*	*05/08/18 09:58*	*05/16/18 13:27*	*1*
PCB-206L	*76*		*30 - 140*	*05/08/18 09:58*	*05/16/18 13:27*	*1*
PCB-208L	*69*		*30 - 140*	*05/08/18 09:58*	*05/16/18 13:27*	*1*
PCB-209L	*73*		*30 - 140*	*05/08/18 09:58*	*05/16/18 13:27*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
PCB-28L	*91*		*40 - 125*	*05/08/18 09:58*	*05/16/18 13:27*	*1*
PCB-111L	*88*		*40 - 125*	*05/08/18 09:58*	*05/16/18 13:27*	*1*
PCB-178L	*87*		*40 - 125*	*05/08/18 09:58*	*05/16/18 13:27*	*1*

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

Lab Sample ID: LCS 140-20159/17-B
Matrix: Solid
Analysis Batch: 20384

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 20159

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1	0.500	0.375		ng/g		75	50 - 150
PCB-3	0.500	0.399		ng/g		80	50 - 150
PCB-4	0.500	0.488		ng/g		98	50 - 150
PCB-15	0.500	0.510		ng/g		102	50 - 150
PCB-19	0.500	0.591		ng/g		118	50 - 150
PCB-37	0.500	0.489		ng/g		98	50 - 150
PCB-54	0.500	0.506		ng/g		101	50 - 150
PCB-77	0.500	0.487		ng/g		97	50 - 150
PCB-81	0.500	0.494		ng/g		99	50 - 150
PCB-104	0.500	0.556		ng/g		111	50 - 150
PCB-105	0.500	0.512		ng/g		102	50 - 150
PCB-114	0.500	0.541		ng/g		108	50 - 150
PCB-118	0.500	0.508		ng/g		102	50 - 150
PCB-123	0.500	0.559		ng/g		112	50 - 150
PCB-126	0.500	0.558		ng/g		112	50 - 150
PCB-155	0.500	0.512		ng/g		102	50 - 150
PCB-156	1.00	1.11	C	ng/g		111	50 - 150
PCB-157	1.00	1.11	C156	ng/g		111	50 - 150
PCB-167	0.500	0.551		ng/g		110	50 - 150
PCB-169	0.500	0.528		ng/g		106	50 - 150
PCB-188	0.500	0.535		ng/g		107	50 - 150
PCB-189	0.500	0.520		ng/g		104	50 - 150
PCB-202	0.500	0.474		ng/g		95	50 - 150
PCB-205	0.500	0.606		ng/g		121	50 - 150
PCB-206	0.500	0.530		ng/g		106	50 - 150
PCB-208	0.500	0.553		ng/g		111	50 - 150
PCB-209	0.500	0.553		ng/g		111	50 - 150

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
PCB-1L	*101*		*30 - 140*
PCB-3L	*84*		*30 - 140*
PCB-4L	*84*		*30 - 140*
PCB-15L	*77*		*30 - 140*
PCB-19L	*92*		*30 - 140*
PCB-37L	*83*		*30 - 140*
PCB-54L	*88*		*30 - 140*
PCB-77L	*91*		*30 - 140*
PCB-81L	*88*		*30 - 140*
PCB-104L	*74*		*30 - 140*
PCB-105L	*89*		*30 - 140*
PCB-114L	*89*		*30 - 140*
PCB-118L	*86*		*30 - 140*
PCB-123L	*86*		*30 - 140*
PCB-126L	*88*		*30 - 140*
PCB-155L	*81*		*30 - 140*
PCB-156L	*89*	*C*	*30 - 140*
PCB-157L	*89*	*C156*	*30 - 140*
PCB-167L	*88*		*30 - 140*

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

Lab Sample ID: LCS 140-20159/17-B
Matrix: Solid
Analysis Batch: 20384

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 20159

Isotope Dilution	LCS %Recovery	LCS Qualifier	Limits
PCB-169L	99		30 - 140
PCB-170L	89		30 - 140
PCB-188L	84		30 - 140
PCB-189L	82		30 - 140
PCB-202L	91		30 - 140
PCB-205L	73		30 - 140
PCB-206L	71		30 - 140
PCB-208L	70		30 - 140
PCB-209L	65		30 - 140

Surrogate	LCS %Recovery	LCS Qualifier	Limits
PCB-28L	90		40 - 125
PCB-111L	92		40 - 125
PCB-178L	88		40 - 125

Lab Sample ID: LCSD 140-20159/18-B
Matrix: Solid
Analysis Batch: 20384

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 20159

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
PCB-1			0.500	0.388		ng/g		78	50 - 150	3	50
PCB-3			0.500	0.402		ng/g		80	50 - 150	1	50
PCB-4			0.500	0.489		ng/g		98	50 - 150	0	50
PCB-15			0.500	0.543		ng/g		109	50 - 150	6	50
PCB-19			0.500	0.584		ng/g		117	50 - 150	1	50
PCB-37			0.500	0.488		ng/g		98	50 - 150	0	50
PCB-54			0.500	0.512		ng/g		102	50 - 150	1	50
PCB-77			0.500	0.507		ng/g		101	50 - 150	4	50
PCB-81			0.500	0.486		ng/g		97	50 - 150	2	50
PCB-104			0.500	0.557		ng/g		111	50 - 150	0	50
PCB-105			0.500	0.509		ng/g		102	50 - 150	1	50
PCB-114			0.500	0.520		ng/g		104	50 - 150	4	50
PCB-118			0.500	0.525		ng/g		105	50 - 150	3	50
PCB-123			0.500	0.547		ng/g		109	50 - 150	2	50
PCB-126			0.500	0.563		ng/g		113	50 - 150	1	50
PCB-155			0.500	0.512		ng/g		102	50 - 150	0	50
PCB-156			1.00	1.08	C	ng/g		108	50 - 150	2	50
PCB-157			1.00	1.08	C156	ng/g		108	50 - 150	2	50
PCB-167			0.500	0.520		ng/g		104	50 - 150	6	50
PCB-169			0.500	0.522		ng/g		104	50 - 150	1	50
PCB-188			0.500	0.534		ng/g		107	50 - 150	0	50
PCB-189			0.500	0.558		ng/g		112	50 - 150	7	50
PCB-202			0.500	0.479		ng/g		96	50 - 150	1	50
PCB-205			0.500	0.595		ng/g		119	50 - 150	2	50
PCB-206			0.500	0.517		ng/g		103	50 - 150	2	50
PCB-208			0.500	0.538		ng/g		108	50 - 150	3	50
PCB-209			0.500	0.555		ng/g		111	50 - 150	0	50

Isotope Dilution	LCSD %Recovery	LCSD Qualifier	Limits
PCB-1L	100		30 - 140
PCB-3L	82		30 - 140
PCB-4L	82		30 - 140
PCB-15L	71		30 - 140
PCB-19L	87		30 - 140
PCB-37L	83		30 - 140
PCB-54L	87		30 - 140
PCB-77L	83		30 - 140
PCB-81L	83		30 - 140
PCB-104L	77		30 - 140
PCB-105L	86		30 - 140
PCB-114L	89		30 - 140
PCB-118L	83		30 - 140
PCB-123L	83		30 - 140
PCB-126L	81		30 - 140
PCB-155L	82		30 - 140
PCB-156L	89	C	30 - 140
PCB-157L	89	C156	30 - 140
PCB-167L	89		30 - 140
PCB-169L	97		30 - 140
PCB-170L	84		30 - 140
PCB-188L	80		30 - 140
PCB-189L	75		30 - 140
PCB-202L	90		30 - 140
PCB-205L	73		30 - 140
PCB-206L	74		30 - 140
PCB-208L	69		30 - 140
PCB-209L	70		30 - 140

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
PCB-28L	91		40 - 125
PCB-111L	91		40 - 125
PCB-178L	83		40 - 125

Lab Chronicle

Client: AECOM
Project/Site: Portland Harbor Pre-Remedial Design

TestAmerica Job ID: 580-76830-3

Client Sample ID: PDI-SG-B291-BL1
Lab Sample ID: 580-76830-1
Date Collected: 04/23/18 09:56
Matrix: Solid
Date Received: 04/25/18 13:55
Percent Solids: 45.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	HRMS-Sox			20049	05/03/18 12:25	CLI	TAL KNX
Total/NA	Cleanup	Split			20106	05/04/18 15:50	SMM	TAL KNX
Total/NA	Analysis	1668A		1	20286	05/13/18 16:37	MSD	TAL KNX

Client Sample ID: PDI-SG-B292-BL1
Lab Sample ID: 580-76830-2
Date Collected: 04/23/18 10:42
Matrix: Solid
Date Received: 04/25/18 13:55
Percent Solids: 43.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	HRMS-Sox			20049	05/03/18 12:25	CLI	TAL KNX
Total/NA	Cleanup	Split			20106	05/04/18 15:50	SMM	TAL KNX
Total/NA	Analysis	1668A		10	20307	05/14/18 12:18	JMN	TAL KNX

Client Sample ID: PDI-SG-B306-BL1
Lab Sample ID: 580-76830-3
Date Collected: 04/23/18 11:33
Matrix: Solid
Date Received: 04/25/18 13:55
Percent Solids: 45.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	HRMS-Sox			20049	05/03/18 12:25	CLI	TAL KNX
Total/NA	Cleanup	Split			20106	05/04/18 15:50	SMM	TAL KNX
Total/NA	Analysis	1668A		1	20286	05/13/18 18:40	MSD	TAL KNX

Client Sample ID: PDI-SG-B323-BL1
Lab Sample ID: 580-76830-4
Date Collected: 04/23/18 12:35
Matrix: Solid
Date Received: 04/25/18 13:55
Percent Solids: 45.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	HRMS-Sox			20049	05/03/18 12:25	CLI	TAL KNX
Total/NA	Cleanup	Split			20106	05/04/18 15:50	SMM	TAL KNX
Total/NA	Analysis	1668A		1	20286	05/13/18 19:42	MSD	TAL KNX

Client Sample ID: PDI-SG-B329-BL1
Lab Sample ID: 580-76830-5
Date Collected: 04/23/18 14:06
Matrix: Solid
Date Received: 04/25/18 13:55
Percent Solids: 39.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	HRMS-Sox			20049	05/03/18 12:25	CLI	TAL KNX
Total/NA	Cleanup	Split			20106	05/04/18 15:50	SMM	TAL KNX
Total/NA	Analysis	1668A		1	20286	05/13/18 20:44	MSD	TAL KNX

Lab Chronicle

Client: AECOM
Project/Site: Portland Harbor Pre-Remedial Design

TestAmerica Job ID: 580-76830-3

Client Sample ID: PDI-SG-B334-BL1

Lab Sample ID: 580-76830-6
Date Collected: 04/23/18 14:56
Matrix: Solid
Date Received: 04/25/18 13:55
Percent Solids: 46.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	HRMS-Sox			20049	05/03/18 12:25	CLI	TAL KNX
Total/NA	Cleanup	Split			20106	05/04/18 15:50	SMM	TAL KNX
Total/NA	Analysis	1668A		1	20307	05/14/18 13:19	JMN	TAL KNX

Client Sample ID: PDI-SG-B346-BL1

Lab Sample ID: 580-76830-7
Date Collected: 04/23/18 16:00
Matrix: Solid
Date Received: 04/25/18 13:55
Percent Solids: 50.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	HRMS-Sox			20049	05/03/18 12:25	CLI	TAL KNX
Total/NA	Cleanup	Split			20106	05/04/18 15:50	SMM	TAL KNX
Total/NA	Analysis	1668A		1	20330	05/15/18 08:37	PMP	TAL KNX

Client Sample ID: PDI-SG-B265-BL1

Lab Sample ID: 580-76830-8
Date Collected: 04/23/18 10:07
Matrix: Solid
Date Received: 04/25/18 13:55
Percent Solids: 43.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	HRMS-Sox			20049	05/03/18 12:25	CLI	TAL KNX
Total/NA	Cleanup	Split			20106	05/04/18 15:50	SMM	TAL KNX
Total/NA	Analysis	1668A		5	20330	05/15/18 01:26	PMP	TAL KNX

Client Sample ID: PDI-SG-B271-BL1

Lab Sample ID: 580-76830-9
Date Collected: 04/23/18 11:27
Matrix: Solid
Date Received: 04/25/18 13:55
Percent Solids: 33.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	HRMS-Sox			20049	05/03/18 12:25	CLI	TAL KNX
Total/NA	Cleanup	Split			20106	05/04/18 15:50	SMM	TAL KNX
Total/NA	Analysis	1668A		5	20330	05/15/18 02:28	PMP	TAL KNX

Client Sample ID: PDI-SG-B273-BL1

Lab Sample ID: 580-76830-10
Date Collected: 04/23/18 12:29
Matrix: Solid
Date Received: 04/25/18 13:55
Percent Solids: 36.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	HRMS-Sox			20049	05/03/18 12:25	CLI	TAL KNX
Total/NA	Cleanup	Split			20106	05/04/18 15:50	SMM	TAL KNX
Total/NA	Analysis	1668A		10	20330	05/15/18 03:29	PMP	TAL KNX

Lab Chronicle

Client: AECOM
Project/Site: Portland Harbor Pre-Remedial Design

TestAmerica Job ID: 580-76830-3

Client Sample ID: PDI-SG-B279-BL1

Lab Sample ID: 580-76830-11
Date Collected: 04/23/18 14:49
Matrix: Solid
Date Received: 04/25/18 13:55
Percent Solids: 38.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	HRMS-Sox			20049	05/03/18 12:25	CLI	TAL KNX
Total/NA	Cleanup	Split			20106	05/04/18 15:50	SMM	TAL KNX
Total/NA	Analysis	1668A		10	20330	05/15/18 04:31	PMP	TAL KNX

Client Sample ID: PDI-SG-B280-BL1

Lab Sample ID: 580-76830-12
Date Collected: 04/23/18 15:51
Matrix: Solid
Date Received: 04/25/18 13:55
Percent Solids: 32.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	HRMS-Sox			20049	05/03/18 12:25	CLI	TAL KNX
Total/NA	Cleanup	Split			20106	05/04/18 15:50	SMM	TAL KNX
Total/NA	Analysis	1668A		10	20330	05/15/18 05:32	PMP	TAL KNX

Client Sample ID: PDI-SG-B260-BL1

Lab Sample ID: 580-76830-13
Date Collected: 04/23/18 17:24
Matrix: Solid
Date Received: 04/25/18 13:55
Percent Solids: 48.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	HRMS-Sox			20049	05/03/18 12:25	CLI	TAL KNX
Total/NA	Cleanup	Split			20106	05/04/18 15:50	SMM	TAL KNX
Total/NA	Analysis	1668A		10	20330	05/15/18 06:34	PMP	TAL KNX

Client Sample ID: PDI-SG-B352-BL1

Lab Sample ID: 580-76830-14
Date Collected: 04/24/18 10:00
Matrix: Solid
Date Received: 04/25/18 13:55
Percent Solids: 51.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	HRMS-Sox			20049	05/03/18 12:25	CLI	TAL KNX
Total/NA	Cleanup	Split			20106	05/04/18 15:50	SMM	TAL KNX
Total/NA	Analysis	1668A		1	20330	05/15/18 07:36	PMP	TAL KNX

Client Sample ID: PDI-SG-B366-BL1

Lab Sample ID: 580-76830-15
Date Collected: 04/24/18 11:40
Matrix: Solid
Date Received: 04/25/18 13:55
Percent Solids: 64.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	HRMS-Sox			20064	05/03/18 10:07	SSS	TAL KNX
Total/NA	Cleanup	Split			20104	05/04/18 15:42	SMM	TAL KNX
Total/NA	Analysis	1668A		1	20342	05/15/18 17:35	JMN	TAL KNX

Lab Chronicle

Client: AECOM
Project/Site: Portland Harbor Pre-Remedial Design

TestAmerica Job ID: 580-76830-3

Client Sample ID: PDI-SG-B366-BL1-D
Lab Sample ID: 580-76830-16
Date Collected: 04/24/18 11:40
Matrix: Solid
Date Received: 04/25/18 13:55
Percent Solids: 59.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	HRMS-Sox			20064	05/03/18 10:07	SSS	TAL KNX
Total/NA	Cleanup	Split			20104	05/04/18 15:42	SMM	TAL KNX
Total/NA	Analysis	1668A		1	20342	05/15/18 18:37	JMN	TAL KNX

Client Sample ID: PDI-SG-B357-BL1
Lab Sample ID: 580-76830-17
Date Collected: 04/24/18 10:50
Matrix: Solid
Date Received: 04/25/18 13:55
Percent Solids: 44.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	HRMS-Sox			20064	05/03/18 10:07	SSS	TAL KNX
Total/NA	Cleanup	Split			20104	05/04/18 15:42	SMM	TAL KNX
Total/NA	Analysis	1668A		1	20342	05/15/18 19:39	JMN	TAL KNX

Client Sample ID: PDI-SG-B384-BL1
Lab Sample ID: 580-76830-18
Date Collected: 04/24/18 14:55
Matrix: Solid
Date Received: 04/25/18 13:55
Percent Solids: 41.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	HRMS-Sox			20064	05/03/18 10:07	SSS	TAL KNX
Total/NA	Cleanup	Split			20104	05/04/18 15:42	SMM	TAL KNX
Total/NA	Analysis	1668A		1	20342	05/15/18 20:40	JMN	TAL KNX

Client Sample ID: PDI-SG-B378-BL1
Lab Sample ID: 580-76830-19
Date Collected: 04/24/18 13:03
Matrix: Solid
Date Received: 04/25/18 13:55
Percent Solids: 63.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	HRMS-Sox			20064	05/03/18 10:07	SSS	TAL KNX
Total/NA	Cleanup	Split			20104	05/04/18 15:42	SMM	TAL KNX
Total/NA	Analysis	1668A		1	20361	05/16/18 02:40	PMP	TAL KNX

Client Sample ID: PDI-SG-B284-BL1
Lab Sample ID: 580-76830-20
Date Collected: 04/24/18 09:55
Matrix: Solid
Date Received: 04/25/18 13:55
Percent Solids: 32.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	HRMS-Sox			20064	05/03/18 10:07	SSS	TAL KNX
Total/NA	Cleanup	Split			20104	05/04/18 15:42	SMM	TAL KNX
Total/NA	Analysis	1668A		1	20384	05/16/18 14:29	JMN	TAL KNX

Lab Chronicle

Client: AECOM
Project/Site: Portland Harbor Pre-Remedial Design

TestAmerica Job ID: 580-76830-3

Client Sample ID: PDI-SG-B288-BL1

Lab Sample ID: 580-76830-21
Date Collected: 04/24/18 11:02
Matrix: Solid
Date Received: 04/25/18 13:55
Percent Solids: 30.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	HRMS-Sox			20064	05/03/18 10:07	SSS	TAL KNX
Total/NA	Cleanup	Split			20104	05/04/18 15:42	SMM	TAL KNX
Total/NA	Analysis	1668A		1	20384	05/16/18 17:34	JMN	TAL KNX

Client Sample ID: PDI-SG-B294-BL1

Lab Sample ID: 580-76830-22
Date Collected: 04/24/18 12:24
Matrix: Solid
Date Received: 04/25/18 13:55
Percent Solids: 34.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	HRMS-Sox			20064	05/03/18 10:07	SSS	TAL KNX
Total/NA	Cleanup	Split			20104	05/04/18 15:42	SMM	TAL KNX
Total/NA	Analysis	1668A		1	20384	05/16/18 15:31	JMN	TAL KNX

Client Sample ID: PDI-SG-B296-BL1

Lab Sample ID: 580-76830-23
Date Collected: 04/24/18 14:14
Matrix: Solid
Date Received: 04/25/18 13:55
Percent Solids: 33.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	HRMS-Sox			20064	05/03/18 10:07	SSS	TAL KNX
Total/NA	Cleanup	Split			20104	05/04/18 15:42	SMM	TAL KNX
Total/NA	Analysis	1668A		1	20403	05/17/18 01:38	PMP	TAL KNX

Client Sample ID: PDI-SG-B302-BL1

Lab Sample ID: 580-76830-24
Date Collected: 04/24/18 15:12
Matrix: Solid
Date Received: 04/25/18 13:55
Percent Solids: 36.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	HRMS-Sox			20064	05/03/18 10:07	SSS	TAL KNX
Total/NA	Cleanup	Split			20104	05/04/18 15:42	SMM	TAL KNX
Total/NA	Analysis	1668A		1	20403	05/17/18 02:39	PMP	TAL KNX

Client Sample ID: PDI-SG-B303-BL1

Lab Sample ID: 580-76830-25
Date Collected: 04/24/18 16:01
Matrix: Solid
Date Received: 04/25/18 13:55
Percent Solids: 33.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	HRMS-Sox			20159	05/08/18 09:58	BRS	TAL KNX
Total/NA	Cleanup	Split			20218	05/09/18 17:24	SMM	TAL KNX
Total/NA	Analysis	1668A		1	20403	05/17/18 03:41	PMP	TAL KNX

Lab Chronicle

Client: AECOM
Project/Site: Portland Harbor Pre-Remedial Design

TestAmerica Job ID: 580-76830-3

Client Sample ID: PDI-SG-B237-BL1

Lab Sample ID: 580-76830-26
Date Collected: 04/20/18 17:04
Matrix: Solid
Date Received: 04/25/18 13:55
Percent Solids: 48.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	HRMS-Sox			20159	05/08/18 09:58	BRS	TAL KNX
Total/NA	Cleanup	Split			20218	05/09/18 17:24	SMM	TAL KNX
Total/NA	Analysis	1668A		1	20384	05/16/18 20:39	JMN	TAL KNX

Client Sample ID: PDI-SG-B233-BL1

Lab Sample ID: 580-76830-27
Date Collected: 04/20/18 14:45
Matrix: Solid
Date Received: 04/25/18 13:55
Percent Solids: 64.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	HRMS-Sox			20159	05/08/18 09:58	BRS	TAL KNX
Total/NA	Cleanup	Split			20218	05/09/18 17:24	SMM	TAL KNX
Total/NA	Analysis	1668A		1	20457	05/18/18 20:56	JMN	TAL KNX

Client Sample ID: PDI-SG-B243-BL1

Lab Sample ID: 580-76830-29
Date Collected: 04/20/18 17:40
Matrix: Solid
Date Received: 04/25/18 13:55
Percent Solids: 49.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	HRMS-Sox			20159	05/08/18 09:58	BRS	TAL KNX
Total/NA	Cleanup	Split			20218	05/09/18 17:24	SMM	TAL KNX
Total/NA	Analysis	1668A		1	20447	05/18/18 02:34	PMP	TAL KNX

Laboratory References:

TAL KNX = TestAmerica Knoxville, 5815 Middlebrook Pike, Knoxville, TN 37921, TEL (865)291-3000

Accreditation/Certification Summary

Client: AECOM
TestAmerica Job ID: 580-76830-3
Project/Site: Portland Harbor Pre-Remedial Design

Laboratory: TestAmerica Seattle

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	EPA Region	Identification Number	Expiration Date
Alaska (UST)	State Program	10	17-024	01-19-19
ANAB	DoD ELAP		L2236	01-19-19
ANAB	ISO/IEC 17025		L2236	01-19-19
California	State Program	9	2901	11-05-18
Montana (UST)	State Program	8	N/A	04-30-20
Oregon	NELAP	10	WA100007	11-05-18
US Fish & Wildlife	Federal		LE058448-0	07-31-18
USDA	Federal		P330-14-00126	02-10-20
Washington	State Program	10	C553	02-17-19

Laboratory: TestAmerica Knoxville

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	EPA Region	Identification Number	Expiration Date
	AFCEE		N/A	
ANAB	DoD ELAP		L2311	02-13-19
Arkansas DEQ	State Program	6	88-0688	06-16-19
California	State Program	9	2423	06-30-19
Colorado	State Program	8	TN00009	02-28-19
Connecticut	State Program	1	PH-0223	09-30-19
Florida	NELAP	4	E87177	06-30-19
Georgia	State Program	4	906	04-13-20
Hawaii	State Program	9	N/A	04-13-19
Kansas	NELAP	7	E-10349	10-31-18
Kentucky (DW)	State Program	4	90101	12-31-18
Louisiana	NELAP	6	83979	06-30-19
Louisiana (DW)	NELAP	6	LA160005	12-31-18
Maryland	State Program	3	277	03-31-19
Michigan	State Program	5	9933	04-13-20
Nevada	State Program	9	TN00009	07-31-18
New Jersey	NELAP	2	TN001	06-30-19
New York	NELAP	2	10781	03-31-19
North Carolina (DW)	State Program	4	21705	07-31-19
North Carolina (WW/SW)	State Program	4	64	12-31-18
Ohio VAP	State Program	5	CL0059	11-22-18
Oklahoma	State Program	6	9415	08-31-18
Oregon	NELAP	10	TNI0189	01-01-19
Pennsylvania	NELAP	3	68-00576	12-31-18
Tennessee	State Program	4	2014	04-13-20
Texas	NELAP	6	T104704380-16-9	08-31-18
US Fish & Wildlife	Federal		LE-058448-0	07-31-18
USDA	Federal		P330-16-00262	08-20-19
Utah	NELAP	8	TN00009	07-31-18
Virginia	NELAP	3	460176	09-14-18
Washington	State Program	10	C593	01-19-19
West Virginia (DW)	State Program	3	9955C	12-31-18
West Virginia DEP	State Program	3	345	04-30-19
Wisconsin	State Program	5	998044300	08-31-18

Sample Summary

Client: AECOM
Project/Site: Portland Harbor Pre-Remedial Design

TestAmerica Job ID: 580-76830-3

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
580-76830-1	PDI-SG-B291-BL1	Solid	04/23/18 09:56	04/25/18 13:55
580-76830-2	PDI-SG-B292-BL1	Solid	04/23/18 10:42	04/25/18 13:55
580-76830-3	PDI-SG-B306-BL1	Solid	04/23/18 11:33	04/25/18 13:55
580-76830-4	PDI-SG-B323-BL1	Solid	04/23/18 12:35	04/25/18 13:55
580-76830-5	PDI-SG-B329-BL1	Solid	04/23/18 14:06	04/25/18 13:55
580-76830-6	PDI-SG-B334-BL1	Solid	04/23/18 14:56	04/25/18 13:55
580-76830-7	PDI-SG-B346-BL1	Solid	04/23/18 16:00	04/25/18 13:55
580-76830-8	PDI-SG-B265-BL1	Solid	04/23/18 10:07	04/25/18 13:55
580-76830-9	PDI-SG-B271-BL1	Solid	04/23/18 11:27	04/25/18 13:55
580-76830-10	PDI-SG-B273-BL1	Solid	04/23/18 12:29	04/25/18 13:55
580-76830-11	PDI-SG-B279-BL1	Solid	04/23/18 14:49	04/25/18 13:55
580-76830-12	PDI-SG-B280-BL1	Solid	04/23/18 15:51	04/25/18 13:55
580-76830-13	PDI-SG-B260-BL1	Solid	04/23/18 17:24	04/25/18 13:55
580-76830-14	PDI-SG-B352-BL1	Solid	04/24/18 10:00	04/25/18 13:55
580-76830-15	PDI-SG-B366-BL1	Solid	04/24/18 11:40	04/25/18 13:55
580-76830-16	PDI-SG-B366-BL1-D	Solid	04/24/18 11:40	04/25/18 13:55
580-76830-17	PDI-SG-B357-BL1	Solid	04/24/18 10:50	04/25/18 13:55
580-76830-18	PDI-SG-B384-BL1	Solid	04/24/18 14:55	04/25/18 13:55
580-76830-19	PDI-SG-B378-BL1	Solid	04/24/18 13:03	04/25/18 13:55
580-76830-20	PDI-SG-B284-BL1	Solid	04/24/18 09:55	04/25/18 13:55
580-76830-21	PDI-SG-B288-BL1	Solid	04/24/18 11:02	04/25/18 13:55
580-76830-22	PDI-SG-B294-BL1	Solid	04/24/18 12:24	04/25/18 13:55
580-76830-23	PDI-SG-B296-BL1	Solid	04/24/18 14:14	04/25/18 13:55
580-76830-24	PDI-SG-B302-BL1	Solid	04/24/18 15:12	04/25/18 13:55
580-76830-25	PDI-SG-B303-BL1	Solid	04/24/18 16:01	04/25/18 13:55
580-76830-26	PDI-SG-B237-BL1	Solid	04/20/18 17:04	04/25/18 13:55
580-76830-27	PDI-SG-B233-BL1	Solid	04/20/18 14:45	04/25/18 13:55
580-76830-29	PDI-SG-B243-BL1	Solid	04/20/18 17:40	04/25/18 13:55

SURFACE SEDIMENT
CHAIN OF CUSTODY

TestAmerica-Seattle 5755-8th-Street-East Tacoma, WA 98424-1317 **Ph: 253-922-2310 Fax: 253-922-5047**	**Project Contact: Amy Dahl / Chelsey Cook** **Tel: (206) 438-2261 / (206) 438-2010**	**Site Contact: Jennifer Ray** **Laboratory Contact: Elaine-Walker**	**4/25/2018** **Carrier: Courier**	COC No 1 of 3 COCs
Client Contact AECOM 1111 3rd Ave Suite 1600 Seattle, WA 98101 Phone: (206) 438-2700 Fax: 1+(866) 495-5288 Project Name: Portland Harbor Pre-Remedial Design Investigation and Baseline Sampling Portland, OR Project #: 60566335 Study Surface Sediment	**Analysis Turnaround Time** Calendar (C) or Work Days (W) ☒ 21 days ☐ Other _____			

Sample Identification	Sample Date	Sample Time	Matrix	QC Sample	Sampler's Initials	Total No. of Cont.	Fraction	PCB Congeners 1668A	PCDD/Fs 1613B	TPH Diesel, Metals, Mercury NWTPH-Dx, 6020B, 7471A	Grain size ASTM D7928/D6913	Total organic carbon, Total solids 9060	Archive Archive -20 C	Sample Specific Notes:
PDI-SG-B291-BL1	4/23/2018	9:56	SE		NM	6		X	X	X	X	X	X	
PDI-SG-B292-BL1	4/23/2018	10:42	SE		NM	6		X	X	X	X	X	X	
PDI-SG-B306-BL1	4/23/2018	11:33	SE		NM	6		X	X	X	X	X	X	
PDI-SG-B323-BL1	4/23/2018	12:35	SE		NM	6		X	X	X	X	X	X	
PDI-SG-B329-BL1	4/23/2018	14:06	SE		NM	6		X	X	X	X	X	X	
PDI-SG-B334-BL1	4/23/2018	14:56	SE		NM	6		X	X	X	X	X	X	
PDI-SG-B346-BL1	4/23/2018	16:00	SE		NM	6		X	X	X	X	X	X	
PDI-SG-B265-BL1	4/23/2018	10:07	SE		MM	6		X	X	X	X	X	X	
PDI-SG-B271-BL1	4/23/2018	11:27	SE		MM	6		X	X	X	X	X	X	
PDI-SG-B273-BL1	4/23/2018	12:29	SE		MM	6		X	X	X	X	X	X	
PDI-SG-B279-BL1	4/23/2018	14:49	SE		MM	6		X	X	X	X	X	X	
PDI-SG-B280-BL1	4/23/2018	15:51	SE		MM	6		X	X	X	X	X	X	

580-76830 Chain of Custody

Container Type: WMG=Wide Mouth Glass Jar, P=HDPE, PP=Polypropylene, AG=amber glass, G=glass, RC=Resin Column

Preservative: HCl = Hydrochloric Acid, H3PO4 = Phosphoric Acid, HNO3 = Nitric Acid

Fraction: D = Dissolved, PRT = Particulate, T = Total (unfiltered)

Sample Disposal
☐ *Return To Client* ☒ *Disposal By Lab* ☒ *Archive For 12 Months*

Special Instructions/QC Requirements & Comments:
Separate reports for each lab

6.9, 5.1, 20.2, 16.0, 16.4, 0.2

	Company	Date/Time	Received by	Company	Date/Time
Relinquished by	AECOM	4/25/18 1519		M.E.	4/25/18 1319
Relinquished by	M.E.	4/25/18 1355		TAPOR	4/25/18 1355
Relinquished by	Company	Date/Time	Received by	Company	Date/Time
				TA	4/25/18 1355

AR 4/25/18

SURFACE SEDIMENT
CHAIN OF CUSTODY

TestAmerica-Seattle 5755-8th-Street-East Tacoma, WA 98424-1317 Ph: 253-922-2310 Fax: 253-922-5047	Project Contact: Amy Dahl / Chelsey Cook Tel: (206) 438-2261 / (206) 438-2010	Site Contact: Jennifer Ray Laboratory Contact: Elaine-Walker	4/25/2018 Carrier: Courier	COC No. 2 of 3 COCs
Client Contact AECOM 1111 3rd Ave Suite 1600 Seattle, WA 98101 Phone: (206) 438-2700 Fax: 1+(866) 495-5288 Project Name: Portland Harbor Pre-Remedial Design Investigation and Baseline Sampling Portland, OR Project #: 60566335 Study: Surface Sediment	Analysis Turnaround Time Calendar (C) or Work Days (W) [x] 21 days [ ] Other _____			

Sample Identification	Sample Date	Sample Time	Matrix	QC Sample	Sampler's Initials	Total No. of Cont.	Fraction	PCB Congeners 1668A	PCDD/Fs 1613B	TPH Diesel, Metals, Mercury NWTPH-Dx, 6020B, 7471A	Grain size ASTM D7928/D6913	Total organic carbon, Total solids 9060	Archive Archive -20 C	Sample Specific Notes:
PDI-SG-B260-BL1	4/23/2018	17:24	SE		MM	6		X	X	X	X	X	X	
PDI-SG-B352-BL1	4/24/2018	10:00	SE		AM	6		X	X	X	X	X	X	
PDI-SG-B366-BL1	4/24/2018	11:40	SE		AM	6		X	X	X	X	X	X	
PDI-SG-B366-BL1-D	4/24/2018	11:40	SE		AM	6		X	X	X	X	X	X	
PDI-SG-B357-BL1	4/24/2018	10:50	SE		AM	6		X	X	X	X	X	X	
PDI-SG-B384-BL1	4/24/2018	14:55	SE		AM	6		X	X	X	X	X	X	
PDI-SG-B378-BL1	4/24/2018	13:03	SE		AM	6		X	X	X	X	X	X	
PDI-SG-B284-BL1	4/24/2018	9:55	SE		MM	6		X	X	X	X	X	X	
PDI-SG-B288-BL1	4/24/2018	11:02	SE	MS/MSD	MM	12		X	X	X	X	X	X	
PDI-SG-B294-BL1	4/24/2018	12:24	SE		MM	6		X	X	X	X	X	X	
PDI-SG-B296-BL1	4/24/2018	14:14	SE		MM	6		X	X	X	X	X	X	
PDI-SG-B302-BL1	4/24/2018	15:12	SE		MM	6		X	X	X	X	X	X	

Container Type: WMG=Wide Mouth Glass Jar, P=HDPE, PP=Polypropylene, AG=amber glass, G=glass, RC=Resin Column

Preservative: HCl = Hydrochloric Acid, H3PO4 = Phosphoric Acid, HNO3 = Nitric Acid

Fraction: D = Dissolved, PRT = Particulate, T = Total (unfiltered)

Sample Disposal
[ ] Return To Client [X] Disposal By Lab [X] Archive For 12 Months

Special Instructions/QC Requirements & Comments:
Separate reports for each lab

	Company	Date/Time	Received by:	Company	Date/Time
Relinquished by:	AECOM	4/25/18 1319		M-E	4/25/18 1319
Relinquished by:	M-E	4/25/18 1355		TAPOA	4/25/18 1355
Relinquished by:	Company	Date/Time	Received by:	Company	Date/Time

SURFACE SEDIMENT
CHAIN OF CUSTODY

TestAmerica-Seattle 5755-8th-Street-East Tacoma, WA 98424-1317 **Ph: 253-922-2310 Fax: 253-922-5047**	**Project Contact: Amy Dahl / Chelsey Cook** **Tel: (206) 438-2261 / (206) 438-2010** **Analysis Turnaround Time** Calendar (C) or Work Days (W) _____ [x] 21 days [ ] Other _____	**Site Contact: Jennifer Ray** **Laboratory Contact: Elaine-Walker**	**4/25/2018** **Carrier: Courier**	COC No: 3 of 3 COCs

Client Contact	**Project Name:** Portland Harbor Pre-Remedial Design Investigation and Baseline Sampling
AECOM	Portland, OR
1111 3rd Ave Suite 1600	Project #: 60566335 Study Surface Sediment
Seattle, WA 98101	
Phone: (206) 438-2700 Fax: 1-(866) 495-5288	

Sample Identification	Sample Date	Sample Time	Matrix	QC Sample	Sampler's Initials	Total No. of Cont.	Preclog	PCB Congeners 1668A	PCDD/Fs 1613B	TPH Diesel, Metals, Mercury NWTPH-Dx, 6020B, 7471A	Grain size ASTM D7928/D6913	Total organic carbon, Total solids 9060	Archive Archive -20 C	WQ - PCB Congeners 1668A	WQ - PCDD/Fs 1613B	WQ - TPH Diesel NWTPH-Dx	WQ - Metals, Mercury 6020B, 7470	WQ - Total Organic Carbon SM5310B	Sample Specific Notes:
PDI-SG-B303-BL1	4/24/2018	16:01	SE		MM	6		X	X	X	X	X	X						
~~PDI-SG-RB-VV-042318-1730~~	~~4/23/2018~~	17:30	W		ED	8								X	X	X	X	X	not received
~~PDI-SG-RB-VV-180423-1700~~	~~4/23/2018~~	17:00	W		NM	8								X	X	X	X	X	not received
PDI-SG-B237-BL1	4/20/2018	17:04	W		LS	6		X	X	X	X	X	X						
~~PDI-SG-B240-BL1~~	~~4/20/2018~~	16:40	W		LS	6		X	X	X	X	X	X						not received
PDI-SG-B233-BL1	4/20/2018	14:45	W		LS	6		X	X	X	X	X	X						
~~PDI-SG-B240-D-BL1~~	~~4/20/2018~~	16:40	W		LS	5		X	X	X		X	X						Parent not received (will add to parent COC when received per client) SW 4/26/2018
PDI-SG-B243-BL1	4/20/2018	17:40	W		LS	6		X	X	X	X	X	X						

Container Type: WMG=Wide Mouth Glass Jar, P=HDPE, PP=Polypropylene, AG=amber glass, G=glass, RC=Resin Column

Preservative: HCl = Hydrochloric Acid, H3PO4 = Phosphoric Acid, HNO3 = Nitric Acid

Fraction: D = Dissolved, PRT = Particulate, T = Total (unfiltered)

Sample Disposal

[ ] Return To Client [X] Disposal By Lab [X] Archive For 12 Months

Special Instructions/QC Requirements & Comments:

Separate reports for each lab

Relinquished by:	Company: AECOM	Date/Time: 4/25/18 1318	Received by:	Company: M-E-	Date/Time: 4/25/18 1319
Relinquished by:	Company: M-E-	Date/Time: 4/25/18 1355	Received by:	Company: TAPOR	Date/Time: 4/25/18 1355
Relinquished by	Company	Date/Time	Received by:	Company	Date/Time

| TestAmerica-Seattle | SURFACE SEDIMENT | | |

| TestAmerica-Seattle
5755-8th-Street-East
Tacoma, WA 98424-1317
Ph: 253-922-2310 Fax: 253-922-5047 | **SURFACE SEDIMENT CHAIN OF CUSTODY** | | |

| TestAmerica-Seattle
5755-8th-Street-East
Tacoma, WA 98424-1317
Ph: 253-922-2310 Fax: 253-922-5047 | **SURFACE SEDIMENT**
CHAIN OF CUSTODY | | |

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Walker, Elaine M	Carrier Tracking No(s):	COC No: 580-54878.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: elaine.walker@testamericainc.com	State of Origin: Oregon	Page: Page 1 of 4
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note):		Job #: 580-76830-1
Address: 5815 Middlebrook Pike,	Due Date Requested: 5/14/2018	**Analysis Requested**		Preservation Codes:
City: Knoxville	TAT Requested (days):			A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone
State, Zip: TN, 37921	PO #:			
Phone: 865-291-3000(Tel) 865-584-4315(Fax)	WO #:			
Email:	Project #: 58012120			
Project Name: Portland Harbor Pre-Remedial Design	SSOW#:			
Site:				

580-76830 Chain of Custody

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	1668A/1668_P_Sed_209 PCBs plus Totals	1668A/1668_ppM_209 PCBs plus Totals	Server_1668Percent_PCB_P_S	Special Instructions/Note:
PDI-SG-B291-BL1 (580-76830-1)	4/23/18	08:53 Pacific		Solid	X	X	X	
PDI-SG-B292-BL1 (580-76830-2)	4/23/18	10:42 Pacific		Solid	X	X	X	
PDI-SG-B306-BL1 (580-76830-3)	4/23/18	11:33 Pacific		Solid	X	X	X	
PDI-SG-B323-BL1 (580-76830-4)	4/23/18	12:35 Pacific		Solid	X	X	X	
PDI-SG-B329-BL1 (580-76830-5)	4/23/18	14:05 Pacific		Solid	X	X	X	
PDI-SG-B334-BL1 (580-76830-6)	4/23/18	14:36 Pacific		Solid	X	X	X	
PDI-SG-B346-BL1 (580-76830-7)	4/23/18	16:00 Pacific		Solid	X	X	X	
PDI-SG-B255-BL1 (580-76830-8)	4/23/18	10:07 Pacific		Solid	X	X	X	
PDI-SG-B271-BL1 (580-76830-9)	4/23/18	11:27 Pacific		Solid	X	X	X	

Note: Since laboratory accreditations are subject to change, TestAmerica Laboratories, Inc. places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to TestAmerica Laboratories, Inc. attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to TestAmerica Laboratories, Inc.

Possible Hazard Identification: Unconfirmed	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month): ☐ Return To Client ☐ Disposal By Lab ☐ Archive For ____ Months
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:
Empty Kit Relinquished by:	Date: Time: Method of Shipment:

Relinquished by:	Date/Time: 4/26/18 1355	Company: TAOR	Received by:	Date/Time: 4-27-18 09:27	Company: TA-Knx		
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company		
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company		

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 09/20/2016

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Walker, Elaine M	Carrier Tracking No(s):	COC No: 580-64676.2
Client Contact: Shipping/Receiving	Phone:	E-Mail: elaine.walker@testamericainc.com	State of Origin: Oregon	Page: Page 2 of 4
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note):		Job #: 580-76830-1
Address: 5815 Middlebrook Pike,	Due Date Requested: 5/14/2018	Analysis Requested		Preservation Codes:
City: Knoxville	TAT Requested (days):			A - HCL; B - NaOH; C - Zn Acetate; D - Nitric Acid; E - NaHSO4; F - MeOH; G - Amchlor; H - Ascorbic Acid; I - Ice; J - DI Water; K - EDTA; L - EDA; M - Hexane; N - None; O - AsNaO2; P - Na2O4S; Q - Na2SO3; R - Na2S2O3; S - H2SO4; T - TSP Dodecahydrate; U - Acetone; V - MCAA; W - pH 4-5; Z - other (specify)
State, Zip: TN, 37921	PO #:			
Phone: 865-291-3000(Tel) 865-584-4315(Fax)	WO #:			
Email:	Project #: 58012120			Other:
Project Name: Portland Harbor Pre-Remedial Design	SSOW#:			
Site:				

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (w=water, s=solid, o=waste/oil, BT=Tissue, A=Air)	1668A/1668_P_Sus 209 PCBs plus Totals	1668A/1668_Bslt 209 PCBs plus Totals	Percent_1668/percent_PCB_P_S	Special Instructions/Note:
PDI-SG-B273-BL1 (580-76830-10)	4/23/18	12:29 Pacific		Solid	X	X	X	
PDI-SG-B279-BL1 (580-76830-11)	4/23/18	14:49 Pacific		Solid	X	X	X	
PDI-SG-B280-BL1 (580-76830-12)	4/23/18	15:51 Pacific		Solid	X	X	X	
PDI-SG-B260-BL1 (580-76830-13)	4/23/18	17:24 Pacific		Solid	X	X	X	
PDI-SG-B352-BL1 (580-76830-14)	4/24/18	10:00 Pacific		Solid	X	X	X	
PDI-SG-B366-BL1 (580-76830-15)	4/24/18	11:40 Pacific		Solid	X	X	X	
PDI-SG-B366-BL1-D (580-76830-16)	4/24/18	11:40 Pacific		Solid	X	X	X	
PDI-SG-B357-BL1 (580-76830-17)	4/24/18	10:50 Pacific		Solid	X	X	X	
PDI-SG-B384-BL1 (580-76830-18)	4/24/18	14:35 Pacific		Solid	X	X	X	

Note: Since laboratory accreditations are subject to change, TestAmerica Laboratories, Inc. places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody.

Possible Hazard Identification: Unconfirmed	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month): ☐ Return To Client ☐ Disposal By Lab ☐ Archive For ___ Months
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:
Empty Kit Relinquished by:	Date: Time: Method of Shipment:

Relinquished by:	Date/Time: 4/25/18 1355	Company: TAPOR	Received by:	Date/Time: 4/27/18 09:50	Company: TA KNOX		
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company		
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company		

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.:
	Cooler Temperature(s) °C and Other Remarks:

Ver: 09/20/2016

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Walker, Elaine M	Carrier Tracking No(s):	COC No: 580-54878.3
Client Contact: Shipping/Receiving	Phone:	E-Mail: elaine.walker@testamericainc.com	State of Origin: Oregon	Page: Page 3 of 4
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note):		Job #: 580-76830-1
Address: 5815 Middlebrook Pike,	Due Date Requested: 5/14/2018	Analysis Requested		Preservation Codes:
City: Knoxville	TAT Requested (days):			A - HCL M - Hexane B - NaOH N - None C - Zn Acetate O - AsNaO2 D - Nitric Acid P - Na2O4S E - NaHSO4 Q - Na2SO3 F - MeOH R - Na2S2O3 G - Amchlor S - H2SO4 H - Ascorbic Acid T - TSP Dodecahydrate I - Ice U - Acetone J - DI Water V - MCAA K - EDTA W - pH 4-5 L - EDA Z - other (specify)
State, Zip: TN, 37921				Other:
Phone: 865-291-3000(Tel) 865-584-4315(Fax)	PO #:			
Email:	WO #:			
Project Name: Portland Harbor Pre-Remedial Design	Project #: 58012120			
Site:	SSOW#:			

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Analysis: 1668A/1668_P_Low 209 PCBs plus Totals	1668A/1668_Spcfc 209 PCBs plus Totals	Herbert_1668/Herbert_PCB_P_S	Special Instructions/Note:
PDI-SG-B278-BL1 (580-76830-19)	4/24/18	13:03 Pacific		Solid	X	X	X	
PDI-SG-B284-BL1 (580-76830-20)	4/24/18	09:55 Pacific		Solid	X	X	X	
PDI-SG-B285-BL1 (580-76830-21)	4/24/18	11:02 Pacific		Solid	X	X	X	
PDI-SG-B285-BL1 (580-76830-21MS)	4/24/18	11:02 Pacific	MS	Solid	X	X		
PDI-SG-B285-BL1 (580-76830-21MSD)	4/24/18	11:02 Pacific	MSD	Solid	X	X		
PDI-SG-B294-BL1 (580-76830-22)	4/24/18	12:24 Pacific		Solid	X	X	X	
PDI-SG-B296-BL1 (580-76830-23)	4/24/18	14:14 Pacific		Solid	X	X	X	
PDI-SG-B302-BL1 (580-76830-24)	4/24/18	15:12 Pacific		Solid	X	X	X	
PDI-SG-B303-BL1 (580-76830-25)	4/24/18	16:01 Pacific		Solid	X	X	X	

Note: Since laboratory accreditations are subject to change, TestAmerica Laboratories, Inc. places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody.

Possible Hazard Identification: Unconfirmed		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month): ☐ Return To Client ☐ Disposal By Lab ☐ Archive For ____ Months
Deliverable Requested: I, II, III, IV, Other (specify)	Primary Deliverable Rank: 2	Special Instructions/QC Requirements:
Empty Kit Relinquished by:	Date:	Time: Method of Shipment:

Relinquished by:	Date/Time: 4/25/18 1355	Company: TAPER	Received by:	Date/Time: 4/27/18 09:30	Company: TAL KNX
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 09/20/2016

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information (Sub Contract Lab) Client Contact: Shipping/Receiving	Sampler: Phone:	Lab PM: Walker, Elaine M E-Mail: elaine.walker@testamericainc.com	Carrier Tracking No(s):	COC No: 580-54876.4 Page: Page 4 of 4
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note):	State of Origin: Oregon	Job #: 580-76830-1
Address: 5815 Middlebrook Pike,	Due Date Requested: 5/14/2018	**Analysis Requested**		Preservation Codes:
City: Knoxville	TAT Requested (days):			A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Amchlor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA M - Hexane N - None O - AsNaO2 P - Na2O4S Q - Na2SO3 R - Na2S2O3 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - pH 4-5 Z - other (specify) Other:
State, Zip: TN, 37921	PO #:			
Phone: 865-291-3000(Tel) 865-584-4315(Fax)	WO #:			
Email:	Project #: 58012120			
Project Name: Portland Harbor Pre-Remedial Design	SSOW#:			
Site:				

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	1668A/1668A_P_Ext 209 PCBs plus Twists	1668A/1668A_Split 209 PCBs plus Twists	Remote_1668/Remote_PCB_P_S	Special Instructions/Note:
PDI-SG-B237-BL1 (580-76830-26)	4/20/18	17:04 Pacific		Solid	X	X	X	
PDI-SG-B233-BL1 (580-76830-27)	4/20/18	14:45 Pacific		Solid	X	X	X	
PDI-SG-B243-BL1 (580-76830-29)	4/20/18	17:40 Pacific		Solid	X	X	X	

Note: Since laboratory accreditations are subject to change, TestAmerica Laboratories, Inc. places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody.

Possible Hazard Identification Unconfirmed		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) ☐ Return To Client ☐ Disposal By Lab ☐ Archive For Months
Deliverable Requested: I, II, III, IV, Other (specify)	Primary Deliverable Rank: 2	Special Instructions/QC Requirements:
Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:
Relinquished by:	Date/Time: 4/25/18 1355	Company: TAOR	Received by:	Date/Time: 4-27-18 09:50	Company: TA-Knox
Relinquished by:	Date/Time:	Company:	Received by:	Date/Time:	Company:
Relinquished by:	Date/Time:	Company:	Received by:	Date/Time:	Company:
Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks:		

Ver: 09/20/2016

Login Sample Receipt Checklist

Client: AECOM

Job Number: 580-76830-3

Login Number: 76830
List Number: 1
Creator: O'Connell, Jason I

List Source: TestAmerica Seattle

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Walker, M Elaine

From: Dahl, Amy <amy.dahl@aecom.com>
Sent: Thursday, April 26, 2018 10:30 AM
To: Walker, M Elaine; Cook, Chelsey
Cc: Ray, Jennifer; McCoog, Michaela
Subject: RE: 580-76830 Portland Harbor

Thanks Elaine. It would be very helpful if you could cross out the dup you received and add it to the COC when you receive the parent sample, which I understand was picked up yesterday.

Amy Dahl, PhD
Chemist, Environment, Pacific Northwest
D +1-206-438-2261
amy.dahl@aecom.com

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1111 Third Avenue, Suite 1600
Seattle, WA 98101, United States
T +1-206-438-2700
aecom.com

From: Walker, M Elaine [mailto:Elaine.Walker@testamericainc.com]
Sent: Thursday, April 26, 2018 10:25 AM
To: Dahl, Amy; Cook, Chelsey
Cc: Ray, Jennifer; McCoog, Michaela
Subject: RE: 580-76830 Portland Harbor
Importance: High

Hi again Amy,

For the missing samples, it looks like one of them is the parent of the duplicate that is missing. Are these missing samples being submitted at another time and if so, shall I keep the duplicate on this job or not?

Thanks,
M. ELAINE WALKER
Project Manager

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

5755 8th Street East
Tacoma, WA 98424
Tel 253.248.4972 | Fax 253.922.5047
www.testamericainc.com

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From: Dahl, Amy [mailto:amy.dahl@aecom.com]
Sent: Wednesday, April 25, 2018 4:28 PM
To: Walker, M Elaine; Cook, Chelsey
Cc: Ray, Jennifer; McCoog, Michaela
Subject: RE: 580-76830 Portland Harbor

External Email

Hi Elaine, let's do what we did the last time and cross them off the COC, initial, date, note "missing samples" and log them in from the COC when you receive the samples.

Thank you,

Amy Dahl, PhD
Chemist, Environment, Pacific Northwest
D +1-206-438-2261
amy.dahl@aecom.com

AECOM
1111 Third Avenue, Suite 1600
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T +1-206-438-2700
aecom.com

From: Walker, M Elaine [mailto:Elaine.Walker@testamericainc.com]
Sent: Wednesday, April 25, 2018 4:02 PM
To: Dahl, Amy; Cook, Chelsey
Subject: FW: 580-76830 Portland Harbor
Importance: High

PRIVILEGED AND CONFIDENTIAL / JOINT DEFENSE COMMUNICATION / ATTORNEY CLIENT WORK PRODUCT

Hi there,

Can you take a look at the Portland Service Center comments below regarding today's pickup?

Thanks,
M. ELAINE WALKER
Project Manager

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From: O'Connell, Jason I.
Sent: Wednesday, April 25, 2018 3:59 PM
To: Walker, M Elaine

Subject: Fw: 580-76830 Portland Harbor
Importance: High

We are missing samples: PDI-SG-RB-VV-042318-1730, PDI-SG-RB-VV-042318-1730 & PDI-SG-B240-BL1 (page 3 on COC) Should we include them in this job? or wait until we receive them?

Thanks!

JASON O'CONNELL
Service Center Supervisor

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

8920 SW Gemini Dr
Beaverton, OR 97008
Dir 503.906.9202 | Cell 971.645.6229
www.testamericainc.com

From: O'Connell, Jason I.
Sent: Wednesday, April 25, 2018 3:54 PM
To: O'Connell, Jason I.
Subject:

Walker, M Elaine

From: Cook, Chelsey <Chelsey.Cook@aecom.com>
Sent: Thursday, April 26, 2018 1:37 PM
To: Walker, M Elaine
Subject: RE: 580-76830 Portland Harbor

[redacted]

Please label how the duplicates have been labeled before (I noticed this and forgot to point it out). When you're adding it to Monday's COC put the –D after the ID.

Thanks Elaine!

Chelsey Cook
Staff Chemist
D 1-206-438-2010
chelsey.cook@aecom.com

AECOM
1111 3rd Avenue, Suite 1600
Seattle, WA 98101, USA
T +206-438-2700
www.aecom.com

From: Walker, M Elaine [mailto:Elaine.Walker@testamericainc.com]
Sent: Thursday, April 26, 2018 1:19 PM
To: Cook, Chelsey
Subject: RE: 580-76830 Portland Harbor

Quick question. The dup is labeled a little different on the COC for this one (PDI-SG=B240-D-BL1). Usually the –D is after the ID, so I want to make sure.

M. ELAINE WALKER
Project Manager

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From: Cook, Chelsey [mailto:Chelsey.Cook@aecom.com]
Sent: Thursday, April 26, 2018 1:16 PM

To: Walker, M Elaine
Subject: RE: 580-76830 Portland Harbor

[External Email]

Great, thanks Elaine!

Chelsey

From: Walker, M Elaine [mailto:Elaine.Walker@testamericainc.com]
Sent: Thursday, April 26, 2018 1:11 PM
To: Cook, Chelsey; Dahl, Amy
Cc: Ray, Jennifer; McCoog, Michaela
Subject: RE: 580-76830 Portland Harbor

Yes, you're correct. The parent sample is in job 580-76777-1 (sample 5). I will add the duplicate sample received today to the login from Monday that contains the parent sample.

Thanks,
M. ELAINE WALKER
Project Manager

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From: Cook, Chelsey [mailto:Chelsey.Cook@aecom.com]
Sent: Thursday, April 26, 2018 1:03 PM
To: Dahl, Amy; Walker, M Elaine
Cc: Ray, Jennifer; McCoog, Michaela
Subject: RE: 580-76830 Portland Harbor

[External Email]

Elaine,

I spoke with Jennifer about samples PDI-SG-B240-BL1 and PDI-SG-B240-BL1-D. You should have received the parent sample in the shipment that was delivered on Monday 4/23 (which I don't believe I have seen an acknowledgment for yet) and the duplicate was the sample that should have been received yesterday. Please confirm whether or not you think that's accurate, and if so, could we adjust the COCs as needed so that they're in the same lab group?

Please let me know if you have any questions or if you don't think that's accurate.

Thanks!

Chelsey Cook

Staff Chemist
D 1-206-438-2010
chelsey.cook@aecom.com

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1111 3rd Avenue, Suite 1600
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From: Dahl, Amy
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Cc: Ray, Jennifer; McCoog, Michaela
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Thank you,

Amy Dahl, PhD
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Importance: High

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Thanks,
M. ELAINE WALKER
Project Manager

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Thanks!

JASON O'CONNELL
Service Center Supervisor

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From: O'Connell, Jason I.
Sent: Wednesday, April 25, 2018 3:54 PM
To: O'Connell, Jason I.
Subject:

Isotope Dilution Summary

Client: AECOM
Project/Site: Portland Harbor Pre-Remedial Design

TestAmerica Job ID: 580-76830-3

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

Matrix: Solid **Prep Type: Total/NA**

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	PCB1L (30-140)	PCB3L (30-140)	PCB4L (30-140)	PCB15L (30-140)	PCB19L (30-140)	PCB37L (30-140)	PCB54L (30-140)	PCB77L (30-140)
580-76830-1	PDI-SG-B291-BL1	70	75	70	80	81	87	83	89
580-76830-2	PDI-SG-B292-BL1	89	89	76	72	82	82	71	85
580-76830-3	PDI-SG-B306-BL1	74	77	71	78	85	88	88	96
580-76830-4	PDI-SG-B323-BL1	72	76	70	75	81	86	81	92
580-76830-5	PDI-SG-B329-BL1	69	72	66	75	80	84	81	88
580-76830-6	PDI-SG-B334-BL1	79	86	68	75	83	89	83	89
580-76830-7	PDI-SG-B346-BL1	71	77	69	78	82	88	79	84
580-76830-8	PDI-SG-B265-BL1	85	89	77	80	98	87	97	88
580-76830-9	PDI-SG-B271-BL1	78	67 q	71	73	83	87	86	82
580-76830-10	PDI-SG-B273-BL1	78	80	72	73	79	88	78 q	82
580-76830-11	PDI-SG-B279-BL1	79	80	74	75	92	88	86	92
580-76830-12	PDI-SG-B280-BL1	82	85	76	74	104	83	99	83
580-76830-13	PDI-SG-B260-BL1	80	81	67 q	77	85	89	87	83
580-76830-14	PDI-SG-B352-BL1	86	88	77	76	89	85	86	82
580-76830-15	PDI-SG-B366-BL1	82	90	74	75	84	83	84	82
580-76830-16	PDI-SG-B366-BL1-D	78	85	73	72	84	82	86	79
580-76830-17	PDI-SG-B357-BL1	87	93	77	74	93	88	88	76
580-76830-18	PDI-SG-B384-BL1	83	89	73	73	93	82	85	78
580-76830-19	PDI-SG-B378-BL1	86	88	74	74	85	83	87	77
580-76830-20	PDI-SG-B284-BL1	83	86	76	74	94	89	93	82
580-76830-21	PDI-SG-B288-BL1	86	89	78	76	100	87	91	77
580-76830-21 MS	PDI-SG-B288-BL1	89	94	74	74	98	87	95	73
580-76830-21 MSD	PDI-SG-B288-BL1	86	89	73	72	94	82	88	74
580-76830-22	PDI-SG-B294-BL1	87	89	76	74	100	86	92	82
580-76830-23	PDI-SG-B296-BL1	89	90	76	78	113	87	111	56
580-76830-24	PDI-SG-B302-BL1	89	89	75	73	108	82	101	63
580-76830-25	PDI-SG-B303-BL1	94	95	81	80	106	89	105	74
580-76830-26	PDI-SG-B237-BL1	86	89	79	82	101	90	93	82
580-76830-27	PDI-SG-B233-BL1	80	85	70	85	87	83	72	84
580-76830-29	PDI-SG-B243-BL1	62	67	77	78	99	86	89	80
LCS 140-20049/17-B	Lab Control Sample	68	63	61	57	73	76	70	72
LCS 140-20064/17-B	Lab Control Sample	94	85	78	70	79	75	85	77
LCS 140-20159/17-B	Lab Control Sample	101	84	84	77	92	83	88	91
LCSD 140-20049/18-B	Lab Control Sample Dup	70	63	66	60	75	77	73	79
LCSD 140-20064/18-B	Lab Control Sample Dup	98	89	79	68	82	81	83	82
LCSD 140-20159/18-B	Lab Control Sample Dup	100	82	82	71	87	83	87	83
MB 140-20049/16-B	Method Blank	67	57	59	55	79	73	74	76
MB 140-20064/16-B	Method Blank	100	92	79	70	80	77	90	71
MB 140-20159/16-B	Method Blank	97	80	80	69	84	80	88	77

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	PCB81L (30-140)	PCB104L (30-140)	PCB105L (30-140)	P114L (30-140)	PCB118L (30-140)	PCB123L (30-140)	PCB126L (30-140)	PCB155L (30-140)
580-76830-1	PDI-SG-B291-BL1	87	78	86	86	86	83	86	82
580-76830-2	PDI-SG-B292-BL1	83	79	91	90	90	86	84	77
580-76830-3	PDI-SG-B306-BL1	91	78	86	91	87	83	91	84
580-76830-4	PDI-SG-B323-BL1	85	76	85	86	84	84	87	84
580-76830-5	PDI-SG-B329-BL1	84	76	69	85	84	80	83	82
580-76830-6	PDI-SG-B334-BL1	85	81	84	89	88	88	89	78
580-76830-7	PDI-SG-B346-BL1	84	79	90	90	86	87	86	80

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

Matrix: Solid **Prep Type: Total/NA**

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	PCB81L (30-140)	PCB104L (30-140)	PCB105L (30-140)	P114L (30-140)	PCB118L (30-140)	PCB123L (30-140)	PCB126L (30-140)	PCB155L (30-140)
580-76830-8	PDI-SG-B265-BL1	86	83	91	89	88	89	86	89
580-76830-9	PDI-SG-B271-BL1	80	76	84	85	84	84	84	81
580-76830-10	PDI-SG-B273-BL1	79	83	85	85	85	84	85	79
580-76830-11	PDI-SG-B279-BL1	87	78	85	87	85	88	87	77
580-76830-12	PDI-SG-B280-BL1	82	80	91	93	91	93	88	85
580-76830-13	PDI-SG-B260-BL1	85	79	88	89	86	85	85	81
580-76830-14	PDI-SG-B352-BL1	85	80	82	89	86	87	85	81
580-76830-15	PDI-SG-B366-BL1	82	74	86	90	87	86	84	82
580-76830-16	PDI-SG-B366-BL1-D	81	76	84	89	85	85	82	81
580-76830-17	PDI-SG-B357-BL1	80	80	83	92	87	87	84	82
580-76830-18	PDI-SG-B384-BL1	79	75	87	92	89	88	82	77
580-76830-19	PDI-SG-B378-BL1	80	79	88	90	87	87	85	80
580-76830-20	PDI-SG-B284-BL1	84	83	91	92	90	90	85	85
580-76830-21	PDI-SG-B288-BL1	78	83	97	100	102	98	80	86
580-76830-21 MS	PDI-SG-B288-BL1	77	86	96	99	98	97	83	87
580-76830-21 MSD	PDI-SG-B288-BL1	77	77	86	86	86	84	79	80
580-76830-22	PDI-SG-B294-BL1	84	82	93	96	91	92	86	86
580-76830-23	PDI-SG-B296-BL1	58	96	103	108	103	107	85	90
580-76830-24	PDI-SG-B302-BL1	64	88	94	98	97	98	77	84
580-76830-25	PDI-SG-B303-BL1	75	88	100	98	97	97	84	86
580-76830-26	PDI-SG-B237-BL1	81	85	89	90	89	87	83	85
580-76830-27	PDI-SG-B233-BL1	85	84	97	95	93	94	77	73
580-76830-29	PDI-SG-B243-BL1	81	87	90	103	103	92	78	91
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LCS 140-20064/17-B	Lab Control Sample	76	74	84	83	82	79	80	79
LCS 140-20159/17-B	Lab Control Sample	88	74	89	89	86	86	88	81
LCSD 140-20049/18-B	Lab Control Sample Dup	75	72	85	83	82	85	82	79
LCSD 140-20064/18-B	Lab Control Sample Dup	80	76	86	88	83	82	76	82
LCSD 140-20159/18-B	Lab Control Sample Dup	83	77	86	89	83	83	81	82
MB 140-20049/16-B	Method Blank	74	73	87	86	82	83	82	85
MB 140-20064/16-B	Method Blank	70	85	83	81	82	79	63	82
MB 140-20159/16-B	Method Blank	77	77	84	85	81	80	82	81

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	PCB156L (30-140)	PCB157L (30-140)	PCB167L (30-140)	PCB169L (30-140)	PCB170L (30-140)	PCB188L (30-140)	PCB189L (30-140)	PCB202L (30-140)
580-76830-1	PDI-SG-B291-BL1	86 C	86 C156	86	93	79	84	92	88
580-76830-2	PDI-SG-B292-BL1	85 C	85 C156	83	89	83	91	79	82
580-76830-3	PDI-SG-B306-BL1	90 C	90 C156	89	95	82	86	94	90
580-76830-4	PDI-SG-B323-BL1	84 C	84 C156	85	88	78	85	91	89
580-76830-5	PDI-SG-B329-BL1	85 C	85 C156	84	93	82	81	88	88
580-76830-6	PDI-SG-B334-BL1	87 C	87 C156	86	92	82	89	87	88
580-76830-7	PDI-SG-B346-BL1	88 C	88 C156	91	94	84	92	89	92
580-76830-8	PDI-SG-B265-BL1	92 C	92 C156	95	101	87	90	91	93
580-76830-9	PDI-SG-B271-BL1	84 C	84 C156	86	89	82	88	85	87
580-76830-10	PDI-SG-B273-BL1	87 C	87 C156	88	94	83	89	91	87
580-76830-11	PDI-SG-B279-BL1	93 C	93 C156	92	98	85	92	89	94
580-76830-12	PDI-SG-B280-BL1	84 C	84 C156	87	90	85	88	88	85
580-76830-13	PDI-SG-B260-BL1	85 C	85 C156	89	91	76	86	85	80
580-76830-14	PDI-SG-B352-BL1	88 C	88 C156	89	91	84	91	91	89

Isotope Dilution Summary

Client: AECOM
Project/Site: Portland Harbor Pre-Remedial Design

TestAmerica Job ID: 580-76830-3

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

Matrix: Solid **Prep Type: Total/NA**

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	PCB156L (30-140)	PCB157L (30-140)	PCB167L (30-140)	PCB169L (30-140)	PCB170L (30-140)	PCB188L (30-140)	PCB189L (30-140)	PCB202L (30-140)
580-76830-15	PDI-SG-B366-BL1	90 C	90 C156	91	99	83	83	101	89
580-76830-16	PDI-SG-B366-BL1-D	87 C	87 C156	88	89	88	91	104	96
580-76830-17	PDI-SG-B357-BL1	92 C	92 C156	92	97	83	85	104	89
580-76830-18	PDI-SG-B384-BL1	85 C	85 C156	86	83	83	96	108	96
580-76830-19	PDI-SG-B378-BL1	90 C	90 C156	89	96	87	90	98	92
580-76830-20	PDI-SG-B284-BL1	86 C	86 C156	87	88	84	93	98	95
580-76830-21	PDI-SG-B288-BL1	80 C	80 C156	85	77	86	109	121	105
580-76830-21 MS	PDI-SG-B288-BL1	83 C	83 C156	88	79	82	105	116	100
580-76830-21 MSD	PDI-SG-B288-BL1	80 C	80 C156	85	77	83	101	117	98
580-76830-22	PDI-SG-B294-BL1	84 C	84 C156	88	84	81	102	107	97
580-76830-23	PDI-SG-B296-BL1	87 C	87 C156	87	86	85	95	102	107
580-76830-24	PDI-SG-B302-BL1	80 C	80 C156	81	80	83	92	112	98
580-76830-25	PDI-SG-B303-BL1	83 C	83 C156	85	81	85	101	121	105
580-76830-26	PDI-SG-B237-BL1	87 C	87 C156	87	85	81	93	123	95
580-76830-27	PDI-SG-B233-BL1	65 C	65 C156	64	79	88	141 *	96	94
580-76830-29	PDI-SG-B243-BL1	80 C	80 C156	84	87	84	101	80	109
LCS 140-20049/17-B	Lab Control Sample	83 C	83 C156	85	88	84	89	79	91
LCS 140-20064/17-B	Lab Control Sample	84 C	84 C156	84	89	82	83	85	89
LCS 140-20159/17-B	Lab Control Sample	89 C	89 C156	88	99	89	84	82	91
LCSD 140-20049/18-B	Lab Control Sample Dup	85 C	85 C156	87	91	84	89	84	94
LCSD 140-20064/18-B	Lab Control Sample Dup	92 C	92 C156	86	95	84	84	93	89
LCSD 140-20159/18-B	Lab Control Sample Dup	89 C	89 C156	89	97	84	80	75	90
MB 140-20049/16-B	Method Blank	88 C	88 C156	88	94	87	88	85	96
MB 140-20064/16-B	Method Blank	88 C	88 C156	83	86	81	81	77	88
MB 140-20159/16-B	Method Blank	89 C	89 C156	86	87	86	83	74	94

		Percent Isotope Dilution Recovery (Acceptance Limits)			
Lab Sample ID	Client Sample ID	PCB205L (30-140)	PCB206L (30-140)	PCB208L (30-140)	PCB209L (30-140)
580-76830-1	PDI-SG-B291-BL1	72	70	71	63
580-76830-2	PDI-SG-B292-BL1	73	70	69	63
580-76830-3	PDI-SG-B306-BL1	74	74	75	66
580-76830-4	PDI-SG-B323-BL1	70	70	76	58
580-76830-5	PDI-SG-B329-BL1	69	70	68	63
580-76830-6	PDI-SG-B334-BL1	72	66	70	59
580-76830-7	PDI-SG-B346-BL1	72	72	71	64
580-76830-8	PDI-SG-B265-BL1	73	77	76	68
580-76830-9	PDI-SG-B271-BL1	73	71	70	68
580-76830-10	PDI-SG-B273-BL1	76	76	71	69
580-76830-11	PDI-SG-B279-BL1	72	78	73	65
580-76830-12	PDI-SG-B280-BL1	76	82	74	68 q
580-76830-13	PDI-SG-B260-BL1	70	74	71	66
580-76830-14	PDI-SG-B352-BL1	72	69	73	61
580-76830-15	PDI-SG-B366-BL1	74	72	72	68
580-76830-16	PDI-SG-B366-BL1-D	71	65	71	57
580-76830-17	PDI-SG-B357-BL1	74	70	73	66
580-76830-18	PDI-SG-B384-BL1	73	64	72	57
580-76830-19	PDI-SG-B378-BL1	75	73	72	66
580-76830-20	PDI-SG-B284-BL1	74	75	74	64
580-76830-21	PDI-SG-B288-BL1	81	91	92	86

Isotope Dilution Summary

Client: AECOM
Project/Site: Portland Harbor Pre-Remedial Design

TestAmerica Job ID: 580-76830-3

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

Matrix: Solid **Prep Type: Total/NA**

		Percent Isotope Dilution Recovery (Acceptance Limits)			
Lab Sample ID	Client Sample ID	PCB205L (30-140)	PCB206L (30-140)	PCB208L (30-140)	PCB209L (30-140)
580-76830-21 MS	PDI-SG-B288-BL1	75	77	82	76
580-76830-21 MSD	PDI-SG-B288-BL1	79	75	83	73
580-76830-22	PDI-SG-B294-BL1	75	75	77	70
580-76830-23	PDI-SG-B296-BL1	72	78	70	81
580-76830-24	PDI-SG-B302-BL1	68	87	81	82
580-76830-25	PDI-SG-B303-BL1	79	82	90	84
580-76830-26	PDI-SG-B237-BL1	88	82	87	75
580-76830-27	PDI-SG-B233-BL1	65	75	78	66
580-76830-29	PDI-SG-B243-BL1	73	83	89	82
LCS 140-20049/17-B	Lab Control Sample	74	75	72	70
LCS 140-20064/17-B	Lab Control Sample	72	72	73	66
LCS 140-20159/17-B	Lab Control Sample	73	71	70	65
LCSD 140-20049/18-B	Lab Control Sample Dup	73	74	75	68
LCSD 140-20064/18-B	Lab Control Sample Dup	74	68	72	63
LCSD 140-20159/18-B	Lab Control Sample Dup	73	74	69	70
MB 140-20049/16-B	Method Blank	76	80	77	74
MB 140-20064/16-B	Method Blank	73	74	72	65
MB 140-20159/16-B	Method Blank	74	76	69	73

Surrogate Legend

PCB1L = PCB-1L
PCB3L = PCB-3L
PCB4L = PCB-4L
PCB15L = PCB-15L
PCB19L = PCB-19L
PCB37L = PCB-37L
PCB54L = PCB-54L
PCB77L = PCB-77L
PCB81L = PCB-81L
PCB104L = PCB-104L
PCB105L = PCB-105L
P114L = PCB-114L
PCB118L = PCB-118L
PCB123L = PCB-123L
PCB126L = PCB-126L
PCB155L = PCB-155L
PCB156L = PCB-156L
PCB157L = PCB-157L
PCB167L = PCB-167L
PCB169L = PCB-169L
PCB170L = PCB-170L
PCB188L = PCB-188L
PCB189L = PCB-189L
PCB202L = PCB-202L
PCB205L = PCB-205L
PCB206L = PCB-206L
PCB208L = PCB-208L
PCB209L = PCB-209L