TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

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TestAmerica Job ID: 580-76755-3
Client Project/Site: Portland Harbor Pre-Remedial Design
Revision: 1

For:
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Attn: Karen Mixon

M. Elaine Walker

Authorized for release by:
7/25/2018 2:46:10 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 6
Client Sample Results 8
QC Sample Results 148
Chronicle 183
Certification Summary 189
Sample Summary 190
Chain of Custody 191
Receipt Checklists 202
Isotope Dilution Summary 203

Job ID: 580-76755-3

Laboratory: TestAmerica Seattle

Narrative

CASE NARRATIVE
Client: AECOM
Project: Portland Harbor Pre-Remedial Design
Report Number: 580-76755-3

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-eight samples were received on 4/20/2018 1:00 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, 1.1º C, 1.1º C, 1.3º C, 1.7º C and 2.3º C.

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

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

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-B206-BL1 (580-76755-1), PDI-SG-B212-BL1 (580-76755-2), PDI-SG-B220-BL1 (580-76755-3), PDI-SG-B228-BL1 (580-76755-4), PDI-SG-B242-BL1 (580-76755-5), PDI-SG-B250-BL1 (580-76755-6), PDI-SG-B256-BL1 (580-76755-7), PDI-SG-B267-BL1 (580-76755-8), PDI-SG-B180-BL1 (580-76755-9), PDI-SG-B184-BL1 (580-76755-10), PDI-SG-B177-BL1 (580-76755-11), PDI-SG-B185-BL1 (580-76755-12), PDI-SG-B190-BL1 (580-76755-13), PDI-SG-B205-BL1 (580-76755-14), PDI-SG-B213-BL1 (580-76755-15), PDI-SG-B216-BL1 (580-76755-16), PDI-SG-B218-BL1 (580-76755-17), PDI-SG-B219-BL1 (580-76755-18), PDI-SG-B219-BL1-D (580-76755-19), PDI-SG-B223-BL1 (580-76755-20), PDI-SG-B224-BL1 (580-76755-21), PDI-SG-B221-BL1 (580-76755-22), PDI-SG-B204-BL1 (580-76755-23), PDI-SG-B203-BL1 (580-76755-24), PDI-SG-B200-BL1 (580-76755-25), PDI-SG-B197-BL1 (580-76755-26) and PDI-SG-B195-BL1 (580-76755-27) were analyzed for polychlorinated biphenyls congeners (PCBs) in accordance with EPA Method 1668A. The samples were prepared on 04/27/2018 and 04/30/2018 and analyzed on 05/08/2018, 05/09/2018 and 05/10/2018.

Several analytes were detected in method blank MB 140-19882/16-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

Job ID: 580-76755-3 (Continued)

Laboratory: TestAmerica Seattle (Continued)

MDL and/or RL, the result has been flagged.

Several analytes were detected in method blank MB 140-19935/16-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 140-19941/16-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.

An Ion abundance ratio is outside criteria for an Isotope Dilution Analyte (IDA) associated with the following sample: PDI-SG-B242-BL1 (580-76755-5).

The following samples exhibited elevated noise or matrix interferences for one or more analytes causing elevation of the detection limit (EDL): PDI-SG-B216-BL1 (580-76755-16) and PDI-SG-B219-BL1-D (580-76755-19). The reporting limit (RL) for the affected analytes has been raised to be equal to the EDL, and a "G" qualifier applied.

Several Isotope Dilution Analyte (IDA) recoveries are above the method recommended limit for the following sample: PDI-SG-B218-BL1 (580-76755-17). Quantitation by isotope dilution generally precludes any adverse effect on data quality due to elevated IDA recoveries.

Samples PDI-SG-B205-BL1 (580-76755-14)[5X], PDI-SG-B213-BL1 (580-76755-15)[5X] and PDI-SG-B218-BL1 (580-76755-17)[5X] 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.

PCB CONGENERS - Rinse Blank

Sample PDI-RB-VV-041918 (580-76755-28) was analyzed for PCB Congeners in accordance with 1668A. The sample was prepared on 05/04/2018 and analyzed on 05/14/2018.

Several analytes were detected in method blank MB 140-20082/18-A 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.

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

Job Narrative
580-76755-3

Comments
No additional comments.

Receipt
The samples were received on 4/20/2018 1:00 PM; the samples arrived in good condition, properly preserved and, where required, oı ice. The temperatures of the 6 coolers at receipt time were 0.2º C, 1.1º C, 1.1º C, 1.3º C, 1.7º C and 2.3º C.

Receipt Exceptions

<EXPLANATION_REQUIRED>

PDI-SG-B206-BL1 (580-76755-1), PDI-SG-B212-BL1 (580-76755-2), PDI-SG-B220-BL1 (580-76755-3), PDI-SG-B228-BL1 (580-76755-4), PDI-SG-B242-BL1 (580-76755-5), PDI-SG-B250-BL1 (580-76755-6), PDI-SG-B256-BL1 (580-76755-7), PDI-SG-B267-BL1 (580-76755-8), PDI-SG-B180-BL1 (580-76755-9), PDI-SG-B184-BL1 (580-76755-10), PDI-SG-B177-BL1 (580-76755-11), PDI-SG-B185-BL1 (580-76755-12), PDI-SG-B190-BL1 (580-76755-13), PDI-SG-B205-BL1 (580-76755-14), PDI-SG-B213-BL1 (580-76755-15), PDI-SG-B216-BL1 (580-76755-16), PDI-SG-B218-BL1 (580-76755-17), PDI-SG-B219-BL1 (580-76755-18), PDI-SG-B219-BL1-D (580-76755-19), PDI-SG-B223-BL1 (580-76755-20), PDI-SG-B224-BL1 (580-76755-21), PDI-SG-B221-BL1 (580-76755-22),

Job ID: 580-76755-3 (Continued)

Laboratory: TestAmerica Seattle (Continued)

PDI-SG-B204-BL1 (580-76755-23), PDI-SG-B203-BL1 (580-76755-24), PDI-SG-B200-BL1 (580-76755-25) and PDI-SG-B195-BL1 (580-76755-27)
1 of 2 soil sample container placed in freezer.4-24-18 @11:50

The PCB Screen did not pull in to the sample acknowledgement.

Client requested that the EDL be reported to the RDL for the EDD for Dioxins and Congeners.

Validation Response - Method 1668A

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

Dioxin
Method(s) 1668A: An Ion abundance ratio is outside criteria for an Isotope Dilution Analyte (IDA) associated with the following sample: PDI-SG-B242-BL1 (580-76755-5).

Method(s) 1668A: The following samples exhibited elevated noise or matrix interferences for one or more analytes causing elevation of the detection limit (EDL): PDI-SG-B216-BL1 (580-76755-16) and PDI-SG-B219-BL1-D (580-76755-19) . The reporting limit (RL) for the affected analytes has been raised to be equal to the EDL, and a "G" qualifier applied.

Method(s) 1668A: Several Isotope Dilution Analyte (IDA) recoveries are above the method recommended limit for the following sample: PDI-SG-B218-BL1 (580-76755-17). Quantitation by isotope dilution generally precludes any adverse effect on data quality due to elevated IDA recoveries.

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

Organic Prep
No analytical or quality issues were noted, other than those described 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.
C93	The compound co-eluted with PCB-93
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.
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
B	Compound was found in the blank and sample.
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
G	The reported quantitation limit has been raised due to an exhibited elevated noise or matrix interference
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
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
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-B206-BL1
Date Collected: 04/18/18 10:11
Date Received: 04/20/18 13:00

Lab Sample ID: 580-76755-1
Matrix: Solid
Percent Solids: 43.4

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1	0.0053	J	0.011	0.00020	ng/g	☼	04/27/18 08:13	05/08/18 03:15	1
PCB-2	0.0014	J q B	0.011	0.00021	ng/g	☼	04/27/18 08:13	05/08/18 03:15	1
PCB-3	0.0021	J q B	0.011	0.00023	ng/g	☼	04/27/18 08:13	05/08/18 03:15	1
PCB-4	0.0082	J q	0.023	0.00062	ng/g	☼	04/27/18 08:13	05/08/18 03:15	1
PCB-5	ND		0.011	0.00039	ng/g	☼	04/27/18 08:13	05/08/18 03:15	1
PCB-6	ND		0.011	0.00039	ng/g	☼	04/27/18 08:13	05/08/18 03:15	1
PCB-7	ND		0.011	0.00037	ng/g	☼	04/27/18 08:13	05/08/18 03:15	1
PCB-8	0.0086	J q B	0.023	0.00038	ng/g	☼	04/27/18 08:13	05/08/18 03:15	1
PCB-9	ND		0.011	0.00043	ng/g	☼	04/27/18 08:13	05/08/18 03:15	1
PCB-10	ND		0.011	0.00042	ng/g	☼	04/27/18 08:13	05/08/18 03:15	1
PCB-11	0.032	q B	0.023	0.00036	ng/g	☼	04/27/18 08:13	05/08/18 03:15	1
PCB-12	0.0020	J q C B	0.023	0.00036	ng/g	☼	04/27/18 08:13	05/08/18 03:15	1
PCB-13	0.0020	J q C12 B	0.023	0.00036	ng/g	☼	04/27/18 08:13	05/08/18 03:15	1
PCB-14	0.0012	J q	0.011	0.00033	ng/g	☼	04/27/18 08:13	05/08/18 03:15	1
PCB-15	0.0077	J	0.011	0.00037	ng/g	☼	04/27/18 08:13	05/08/18 03:15	1
PCB-16	0.0013	J q	0.011	0.00016	ng/g	☼	04/27/18 08:13	05/08/18 03:15	1
PCB-17	0.0064	J q	0.011	0.00012	ng/g	☼	04/27/18 08:13	05/08/18 03:15	1
PCB-18	0.0092	J q C	0.023	0.00011	ng/g	☼	04/27/18 08:13	05/08/18 03:15	1
PCB-19	0.0048	J q	0.011	0.00015	ng/g	☼	04/27/18 08:13	05/08/18 03:15	1
PCB-20	0.042	C B	0.023	0.00073	ng/g	☼	04/27/18 08:13	05/08/18 03:15	1
PCB-21	0.012	J C B	0.023	0.00068	ng/g	☼	04/27/18 08:13	05/08/18 03:15	1
PCB-22	0.011	B	0.011	0.00074	ng/g	☼	04/27/18 08:13	05/08/18 03:15	1
PCB-23	ND		0.011	0.00073	ng/g	☼	04/27/18 08:13	05/08/18 03:15	1
PCB-24	ND		0.011	0.000091	ng/g	☼	04/27/18 08:13	05/08/18 03:15	1
PCB-25	0.0069	J q B	0.011	0.00070	ng/g	☼	04/27/18 08:13	05/08/18 03:15	1
PCB-26	0.0081	J C B	0.023	0.00073	ng/g	☼	04/27/18 08:13	05/08/18 03:15	1
PCB-27	0.00067	J q	0.011	0.000089	ng/g	☼	04/27/18 08:13	05/08/18 03:15	1
PCB-28	0.042	C20 B	0.023	0.00073	ng/g	☼	04/27/18 08:13	05/08/18 03:15	1
PCB-29	0.0081	J C26 B	0.023	0.00073	ng/g	☼	04/27/18 08:13	05/08/18 03:15	1
PCB-30	0.0092	J q C18	0.023	0.00011	ng/g	☼	04/27/18 08:13	05/08/18 03:15	1
PCB-31	0.031	B	0.023	0.00067	ng/g	☼	04/27/18 08:13	05/08/18 03:15	1
PCB-32	0.0045	J q	0.011	0.000082	ng/g	☼	04/27/18 08:13	05/08/18 03:15	1
PCB-33	0.012	J C21 B	0.023	0.00068	ng/g	☼	04/27/18 08:13	05/08/18 03:15	1
PCB-34	ND		0.011	0.00075	ng/g	☼	04/27/18 08:13	05/08/18 03:15	1
PCB-35	ND		0.011	0.00072	ng/g	☼	04/27/18 08:13	05/08/18 03:15	1
PCB-36	ND		0.011	0.00065	ng/g	☼	04/27/18 08:13	05/08/18 03:15	1
PCB-37	0.012		0.011	0.00068	ng/g	☼	04/27/18 08:13	05/08/18 03:15	1
PCB-38	ND		0.011	0.00071	ng/g	☼	04/27/18 08:13	05/08/18 03:15	1
PCB-39	ND		0.011	0.00065	ng/g	☼	04/27/18 08:13	05/08/18 03:15	1
PCB-40	0.024	J C	0.034	0.0019	ng/g	☼	04/27/18 08:13	05/08/18 03:15	1
PCB-41	0.024	J C40	0.034	0.0019	ng/g	☼	04/27/18 08:13	05/08/18 03:15	1
PCB-42	0.018		0.011	0.0019	ng/g	☼	04/27/18 08:13	05/08/18 03:15	1
PCB-43	ND	C	0.023	0.0017	ng/g	☼	04/27/18 08:13	05/08/18 03:15	1
PCB-44	0.070	C B	0.034	0.0017	ng/g	☼	04/27/18 08:13	05/08/18 03:15	1
PCB-45	0.0099	J q C	0.023	0.0020	ng/g	☼	04/27/18 08:13	05/08/18 03:15	1
PCB-46	ND		0.011	0.0023	ng/g	☼	04/27/18 08:13	05/08/18 03:15	1
PCB-47	0.070	C44 B	0.034	0.0017	ng/g	☼	04/27/18 08:13	05/08/18 03:15	1
PCB-48	0.0069	J q	0.011	0.0018	ng/g	☼	04/27/18 08:13	05/08/18 03:15	1
PCB-49	0.047	C	0.023	0.0015	ng/g	☼	04/27/18 08:13	05/08/18 03:15	1

Client Sample ID: PDI-SG-B206-BL1
Date Collected: 04/18/18 10:11
Date Received: 04/20/18 13:00

Lab Sample ID: 580-76755-1
Matrix: Solid
Percent Solids: 43.4

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-50	0.013	J C	0.023	0.0019	ng/g	☼	04/27/18 08:13	05/08/18 03:15	1
PCB-51	0.0099	J q C45	0.023	0.0020	ng/g	☼	04/27/18 08:13	05/08/18 03:15	1
PCB-52	0.087		0.011	0.0020	ng/g	☼	04/27/18 08:13	05/08/18 03:15	1
PCB-53	0.013	J C50	0.023	0.0019	ng/g	☼	04/27/18 08:13	05/08/18 03:15	1
PCB-54	0.00020	J q	0.011	0.00012	ng/g	☼	04/27/18 08:13	05/08/18 03:15	1
PCB-55	ND		0.011	0.0013	ng/g	☼	04/27/18 08:13	05/08/18 03:15	1
PCB-56	0.023		0.011	0.0013	ng/g	☼	04/27/18 08:13	05/08/18 03:15	1
PCB-57	ND		0.011	0.0013	ng/g	☼	04/27/18 08:13	05/08/18 03:15	1
PCB-58	ND		0.011	0.0013	ng/g	☼	04/27/18 08:13	05/08/18 03:15	1
PCB-59	0.0048	J q C	0.034	0.0013	ng/g	☼	04/27/18 08:13	05/08/18 03:15	1
PCB-60	0.010	J	0.011	0.0013	ng/g	☼	04/27/18 08:13	05/08/18 03:15	1
PCB-61	0.11	C B	0.046	0.0012	ng/g	☼	04/27/18 08:13	05/08/18 03:15	1
PCB-62	0.0048	J q C59	0.034	0.0013	ng/g	☼	04/27/18 08:13	05/08/18 03:15	1
PCB-63	0.0019	J q	0.011	0.0011	ng/g	☼	04/27/18 08:13	05/08/18 03:15	1
PCB-64	0.020		0.011	0.0012	ng/g	☼	04/27/18 08:13	05/08/18 03:15	1
PCB-65	0.070	C44 B	0.034	0.0017	ng/g	☼	04/27/18 08:13	05/08/18 03:15	1
PCB-66	0.060		0.011	0.0013	ng/g	☼	04/27/18 08:13	05/08/18 03:15	1
PCB-67	0.0030	J	0.011	0.0012	ng/g	☼	04/27/18 08:13	05/08/18 03:15	1
PCB-68	0.0027	J	0.011	0.0011	ng/g	☼	04/27/18 08:13	05/08/18 03:15	1
PCB-69	0.047	C49	0.023	0.0015	ng/g	☼	04/27/18 08:13	05/08/18 03:15	1
PCB-70	0.11	C61 B	0.046	0.0012	ng/g	☼	04/27/18 08:13	05/08/18 03:15	1
PCB-71	0.024	J C40	0.034	0.0019	ng/g	☼	04/27/18 08:13	05/08/18 03:15	1
PCB-72	0.0022	J	0.011	0.0013	ng/g	☼	04/27/18 08:13	05/08/18 03:15	1
PCB-73	ND	C43	0.023	0.0017	ng/g	☼	04/27/18 08:13	05/08/18 03:15	1
PCB-74	0.11	C61 B	0.046	0.0012	ng/g	☼	04/27/18 08:13	05/08/18 03:15	1
PCB-75	0.0048	J q C59	0.034	0.0013	ng/g	☼	04/27/18 08:13	05/08/18 03:15	1
PCB-76	0.11	C61 B	0.046	0.0012	ng/g	☼	04/27/18 08:13	05/08/18 03:15	1
PCB-77	0.0067	J	0.011	0.0012	ng/g	☼	04/27/18 08:13	05/08/18 03:15	1
PCB-78	ND		0.011	0.0013	ng/g	☼	04/27/18 08:13	05/08/18 03:15	1
PCB-79	ND		0.011	0.0011	ng/g	☼	04/27/18 08:13	05/08/18 03:15	1
PCB-80	ND		0.011	0.0011	ng/g	☼	04/27/18 08:13	05/08/18 03:15	1
PCB-81	ND		0.011	0.0012	ng/g	☼	04/27/18 08:13	05/08/18 03:15	1
PCB-82	0.012	q	0.011	0.00078	ng/g	☼	04/27/18 08:13	05/08/18 03:15	1
PCB-83	0.084	C	0.023	0.00075	ng/g	☼	04/27/18 08:13	05/08/18 03:15	1
PCB-84	0.029		0.011	0.00082	ng/g	☼	04/27/18 08:13	05/08/18 03:15	1
PCB-85	0.021	J C	0.034	0.00056	ng/g	☼	04/27/18 08:13	05/08/18 03:15	1
PCB-86	0.080	C	0.068	0.00060	ng/g	☼	04/27/18 08:13	05/08/18 03:15	1
PCB-87	0.080	C86	0.068	0.00060	ng/g	☼	04/27/18 08:13	05/08/18 03:15	1
PCB-88	0.017	J q C	0.023	0.00071	ng/g	☼	04/27/18 08:13	05/08/18 03:15	1
PCB-89	ND		0.011	0.00077	ng/g	☼	04/27/18 08:13	05/08/18 03:15	1
PCB-90	0.14	C	0.034	0.00061	ng/g	☼	04/27/18 08:13	05/08/18 03:15	1
PCB-91	0.017	J q C88	0.023	0.00071	ng/g	☼	04/27/18 08:13	05/08/18 03:15	1
PCB-92	0.028		0.011	0.00073	ng/g	☼	04/27/18 08:13	05/08/18 03:15	1
PCB-93	0.0054	J q C	0.023	0.00072	ng/g	☼	04/27/18 08:13	05/08/18 03:15	1
PCB-94	0.0014	J q	0.011	0.00077	ng/g	☼	04/27/18 08:13	05/08/18 03:15	1
PCB-95	0.097		0.011	0.00075	ng/g	☼	04/27/18 08:13	05/08/18 03:15	1
PCB-96	0.0015	J q	0.011	0.00058	ng/g	☼	04/27/18 08:13	05/08/18 03:15	1
PCB-97	0.080	C86	0.068	0.00060	ng/g	☼	04/27/18 08:13	05/08/18 03:15	1
PCB-98	0.0025	J q C	0.023	0.00072	ng/g	☼	04/27/18 08:13	05/08/18 03:15	1

Client Sample ID: PDI-SG-B206-BL1
Date Collected: 04/18/18 10:11
Date Received: 04/20/18 13:00

Lab Sample ID: 580-76755-1
Matrix: Solid
Percent Solids: 43.4

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-99	0.084	C83	0.023	0.00075	ng/g	☼	04/27/18 08:13	05/08/18 03:15	1
PCB-100	0.0054	J q C93	0.023	0.00072	ng/g	☼	04/27/18 08:13	05/08/18 03:15	1
PCB-101	0.14	C90	0.034	0.00061	ng/g	☼	04/27/18 08:13	05/08/18 03:15	1
PCB-102	0.0025	J q C98	0.023	0.00072	ng/g	☼	04/27/18 08:13	05/08/18 03:15	1
PCB-103	0.0019	J q	0.011	0.00066	ng/g	☼	04/27/18 08:13	05/08/18 03:15	1
PCB-104	ND		0.011	0.00052	ng/g	☼	04/27/18 08:13	05/08/18 03:15	1
PCB-105	0.042		0.011	0.0019	ng/g	☼	04/27/18 08:13	05/08/18 03:15	1
PCB-106	ND		0.011	0.0020	ng/g	☼	04/27/18 08:13	05/08/18 03:15	1
PCB-107	0.0098	J	0.011	0.0019	ng/g	☼	04/27/18 08:13	05/08/18 03:15	1
PCB-108	0.0045	J q C	0.023	0.0020	ng/g	☼	04/27/18 08:13	05/08/18 03:15	1
PCB-109	0.080	C86	0.068	0.00060	ng/g	☼	04/27/18 08:13	05/08/18 03:15	1
PCB-110	0.14	C	0.023	0.00049	ng/g	☼	04/27/18 08:13	05/08/18 03:15	1
PCB-111	ND		0.011	0.00046	ng/g	☼	04/27/18 08:13	05/08/18 03:15	1
PCB-112	ND		0.011	0.00050	ng/g	☼	04/27/18 08:13	05/08/18 03:15	1
PCB-113	0.14	C90	0.034	0.00061	ng/g	☼	04/27/18 08:13	05/08/18 03:15	1
PCB-114	ND		0.011	0.0018	ng/g	☼	04/27/18 08:13	05/08/18 03:15	1
PCB-115	0.14	C110	0.023	0.00049	ng/g	☼	04/27/18 08:13	05/08/18 03:15	1
PCB-116	0.021	J C85	0.034	0.00056	ng/g	☼	04/27/18 08:13	05/08/18 03:15	1
PCB-117	0.021	J C85	0.034	0.00056	ng/g	☼	04/27/18 08:13	05/08/18 03:15	1
PCB-118	0.11	B	0.011	0.0018	ng/g	☼	04/27/18 08:13	05/08/18 03:15	1
PCB-119	0.080	C86	0.068	0.00060	ng/g	☼	04/27/18 08:13	05/08/18 03:15	1
PCB-120	ND		0.011	0.00046	ng/g	☼	04/27/18 08:13	05/08/18 03:15	1
PCB-121	ND		0.011	0.00049	ng/g	☼	04/27/18 08:13	05/08/18 03:15	1
PCB-122	ND		0.011	0.0022	ng/g	☼	04/27/18 08:13	05/08/18 03:15	1
PCB-123	0.0019	J q	0.011	0.0018	ng/g	☼	04/27/18 08:13	05/08/18 03:15	1
PCB-124	0.0045	J q C108	0.023	0.0020	ng/g	☼	04/27/18 08:13	05/08/18 03:15	1
PCB-125	0.080	C86	0.068	0.00060	ng/g	☼	04/27/18 08:13	05/08/18 03:15	1
PCB-126	ND		0.011	0.0019	ng/g	☼	04/27/18 08:13	05/08/18 03:15	1
PCB-127	ND		0.011	0.0019	ng/g	☼	04/27/18 08:13	05/08/18 03:15	1
PCB-128	0.035	C B	0.023	0.00053	ng/g	☼	04/27/18 08:13	05/08/18 03:15	1
PCB-129	0.23	C B	0.046	0.00053	ng/g	☼	04/27/18 08:13	05/08/18 03:15	1
PCB-130	0.013		0.011	0.00072	ng/g	☼	04/27/18 08:13	05/08/18 03:15	1
PCB-131	ND		0.011	0.00072	ng/g	☼	04/27/18 08:13	05/08/18 03:15	1
PCB-132	0.072		0.011	0.00069	ng/g	☼	04/27/18 08:13	05/08/18 03:15	1
PCB-133	0.0044	J q	0.011	0.00067	ng/g	☼	04/27/18 08:13	05/08/18 03:15	1
PCB-134	0.0050	J q C	0.023	0.00070	ng/g	☼	04/27/18 08:13	05/08/18 03:15	1
PCB-135	0.073	C	0.023	0.00015	ng/g	☼	04/27/18 08:13	05/08/18 03:15	1
PCB-136	0.024		0.011	0.00011	ng/g	☼	04/27/18 08:13	05/08/18 03:15	1
PCB-137	0.0083	J q	0.011	0.00058	ng/g	☼	04/27/18 08:13	05/08/18 03:15	1
PCB-138	0.23	C129 B	0.046	0.00053	ng/g	☼	04/27/18 08:13	05/08/18 03:15	1
PCB-139	0.0032	J C	0.023	0.00060	ng/g	☼	04/27/18 08:13	05/08/18 03:15	1
PCB-140	0.0032	J C139	0.023	0.00060	ng/g	☼	04/27/18 08:13	05/08/18 03:15	1
PCB-141	0.043		0.011	0.00062	ng/g	☼	04/27/18 08:13	05/08/18 03:15	1
PCB-142	ND		0.011	0.00068	ng/g	☼	04/27/18 08:13	05/08/18 03:15	1
PCB-143	0.0050	J q C134	0.023	0.00070	ng/g	☼	04/27/18 08:13	05/08/18 03:15	1
PCB-144	0.0082	J	0.011	0.00014	ng/g	☼	04/27/18 08:13	05/08/18 03:15	1
PCB-145	ND		0.011	0.00011	ng/g	☼	04/27/18 08:13	05/08/18 03:15	1
PCB-146	0.046		0.011	0.00056	ng/g	☼	04/27/18 08:13	05/08/18 03:15	1
PCB-147	0.18	C B	0.023	0.00060	ng/g	☼	04/27/18 08:13	05/08/18 03:15	1

Client Sample ID: PDI-SG-B206-BL1
Date Collected: 04/18/18 10:11
Date Received: 04/20/18 13:00

Lab Sample ID: 580-76755-1
Matrix: Solid
Percent Solids: 43.4

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-148	ND		0.011	0.00014	ng/g	☼	04/27/18 08:13	05/08/18 03:15	1
PCB-149	**0.18**	**C147 B**	0.023	0.00060	ng/g	☼	04/27/18 08:13	05/08/18 03:15	1
PCB-150	**0.00028**	**J q**	0.011	0.000095	ng/g	☼	04/27/18 08:13	05/08/18 03:15	1
PCB-151	**0.073**	**C135**	0.023	0.00015	ng/g	☼	04/27/18 08:13	05/08/18 03:15	1
PCB-152	ND		0.011	0.00010	ng/g	☼	04/27/18 08:13	05/08/18 03:15	1
PCB-153	**0.19**	**C**	0.023	0.00047	ng/g	☼	04/27/18 08:13	05/08/18 03:15	1
PCB-154	**0.0032**	**J q**	0.011	0.00012	ng/g	☼	04/27/18 08:13	05/08/18 03:15	1
PCB-155	ND		0.011	0.000097	ng/g	☼	04/27/18 08:13	05/08/18 03:15	1
PCB-156	**0.020**	**J q C B**	0.023	0.00057	ng/g	☼	04/27/18 08:13	05/08/18 03:15	1
PCB-157	**0.020**	**J q C156 B**	0.023	0.00057	ng/g	☼	04/27/18 08:13	05/08/18 03:15	1
PCB-158	**0.020**		0.011	0.00042	ng/g	☼	04/27/18 08:13	05/08/18 03:15	1
PCB-159	**0.0036**	**J B**	0.011	0.00043	ng/g	☼	04/27/18 08:13	05/08/18 03:15	1
PCB-160	**0.23**	**C129 B**	0.046	0.00053	ng/g	☼	04/27/18 08:13	05/08/18 03:15	1
PCB-161	ND		0.011	0.00044	ng/g	☼	04/27/18 08:13	05/08/18 03:15	1
PCB-162	ND		0.011	0.00042	ng/g	☼	04/27/18 08:13	05/08/18 03:15	1
PCB-163	**0.23**	**C129 B**	0.046	0.00053	ng/g	☼	04/27/18 08:13	05/08/18 03:15	1
PCB-164	**0.014**	**q**	0.011	0.00045	ng/g	☼	04/27/18 08:13	05/08/18 03:15	1
PCB-165	ND		0.011	0.00051	ng/g	☼	04/27/18 08:13	05/08/18 03:15	1
PCB-166	**0.035**	**C128 B**	0.023	0.00053	ng/g	☼	04/27/18 08:13	05/08/18 03:15	1
PCB-167	**0.0079**	**J B**	0.011	0.00032	ng/g	☼	04/27/18 08:13	05/08/18 03:15	1
PCB-168	**0.19**	**C153**	0.023	0.00047	ng/g	☼	04/27/18 08:13	05/08/18 03:15	1
PCB-169	ND		0.011	0.00032	ng/g	☼	04/27/18 08:13	05/08/18 03:15	1
PCB-170	**0.057**		0.011	0.000053	ng/g	☼	04/27/18 08:13	05/08/18 03:15	1
PCB-171	**0.022**	**J C**	0.023	0.000052	ng/g	☼	04/27/18 08:13	05/08/18 03:15	1
PCB-172	**0.014**		0.011	0.000051	ng/g	☼	04/27/18 08:13	05/08/18 03:15	1
PCB-173	**0.022**	**J C171**	0.023	0.000052	ng/g	☼	04/27/18 08:13	05/08/18 03:15	1
PCB-174	**0.068**		0.011	0.000054	ng/g	☼	04/27/18 08:13	05/08/18 03:15	1
PCB-175	**0.0025**	**J**	0.011	0.000048	ng/g	☼	04/27/18 08:13	05/08/18 03:15	1
PCB-176	**0.0068**	**J q**	0.011	0.000034	ng/g	☼	04/27/18 08:13	05/08/18 03:15	1
PCB-177	**0.043**		0.011	0.000054	ng/g	☼	04/27/18 08:13	05/08/18 03:15	1
PCB-178	**0.012**	**q**	0.011	0.000050	ng/g	☼	04/27/18 08:13	05/08/18 03:15	1
PCB-179	**0.038**		0.011	0.000037	ng/g	☼	04/27/18 08:13	05/08/18 03:15	1
PCB-180	**0.14**	**C**	0.023	0.000040	ng/g	☼	04/27/18 08:13	05/08/18 03:15	1
PCB-181	ND		0.011	0.000046	ng/g	☼	04/27/18 08:13	05/08/18 03:15	1
PCB-182	ND		0.011	0.000044	ng/g	☼	04/27/18 08:13	05/08/18 03:15	1
PCB-183	**0.039**	**C**	0.023	0.000045	ng/g	☼	04/27/18 08:13	05/08/18 03:15	1
PCB-184	ND		0.011	0.000038	ng/g	☼	04/27/18 08:13	05/08/18 03:15	1
PCB-185	**0.039**	**C183**	0.023	0.000045	ng/g	☼	04/27/18 08:13	05/08/18 03:15	1
PCB-186	ND		0.011	0.000036	ng/g	☼	04/27/18 08:13	05/08/18 03:15	1
PCB-187	**0.090**		0.011	0.000046	ng/g	☼	04/27/18 08:13	05/08/18 03:15	1
PCB-188	ND		0.011	0.000033	ng/g	☼	04/27/18 08:13	05/08/18 03:15	1
PCB-189	**0.0026**	**J**	0.011	0.00049	ng/g	☼	04/27/18 08:13	05/08/18 03:15	1
PCB-190	**0.012**	**q**	0.011	0.000034	ng/g	☼	04/27/18 08:13	05/08/18 03:15	1
PCB-191	**0.0018**	**J q**	0.011	0.000035	ng/g	☼	04/27/18 08:13	05/08/18 03:15	1
PCB-192	ND		0.011	0.000037	ng/g	☼	04/27/18 08:13	05/08/18 03:15	1
PCB-193	**0.14**	**C180**	0.023	0.000040	ng/g	☼	04/27/18 08:13	05/08/18 03:15	1
PCB-194	**0.036**	**B**	0.011	0.00034	ng/g	☼	04/27/18 08:13	05/08/18 03:15	1
PCB-195	**0.013**		0.011	0.00039	ng/g	☼	04/27/18 08:13	05/08/18 03:15	1
PCB-196	**0.014**		0.011	0.00013	ng/g	☼	04/27/18 08:13	05/08/18 03:15	1

Client Sample ID: PDI-SG-B206-BL1
Date Collected: 04/18/18 10:11
Date Received: 04/20/18 13:00

Lab Sample ID: 580-76755-1
Matrix: Solid
Percent Solids: 43.4

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-197	0.0012	J q	0.011	0.000088	ng/g	☼	04/27/18 08:13	05/08/18 03:15	1
PCB-198	0.045	C	0.023	0.00014	ng/g	☼	04/27/18 08:13	05/08/18 03:15	1
PCB-199	0.045	C198	0.023	0.00014	ng/g	☼	04/27/18 08:13	05/08/18 03:15	1
PCB-200	0.0022	J q	0.011	0.000096	ng/g	☼	04/27/18 08:13	05/08/18 03:15	1
PCB-201	0.0055	J q	0.011	0.000093	ng/g	☼	04/27/18 08:13	05/08/18 03:15	1
PCB-202	0.0035	J q	0.011	0.00011	ng/g	☼	04/27/18 08:13	05/08/18 03:15	1
PCB-203	0.023		0.011	0.00012	ng/g	☼	04/27/18 08:13	05/08/18 03:15	1
PCB-204	ND		0.011	0.000096	ng/g	☼	04/27/18 08:13	05/08/18 03:15	1
PCB-205	0.0017	J q	0.011	0.00026	ng/g	☼	04/27/18 08:13	05/08/18 03:15	1
PCB-206	0.029		0.011	0.0013	ng/g	☼	04/27/18 08:13	05/08/18 03:15	1
PCB-207	0.0037	J	0.011	0.00086	ng/g	☼	04/27/18 08:13	05/08/18 03:15	1
PCB-208	0.0068	J q	0.011	0.00091	ng/g	☼	04/27/18 08:13	05/08/18 03:15	1
PCB-209	0.024	B	0.011	0.00013	ng/g	☼	04/27/18 08:13	05/08/18 03:15	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
PCB-1L	*78*		*30 - 140*	*04/27/18 08:13*	*05/08/18 03:15*	*1*
PCB-3L	*77*		*30 - 140*	*04/27/18 08:13*	*05/08/18 03:15*	*1*
PCB-4L	*77*		*30 - 140*	*04/27/18 08:13*	*05/08/18 03:15*	*1*
PCB-15L	*89*		*30 - 140*	*04/27/18 08:13*	*05/08/18 03:15*	*1*
PCB-19L	*78*		*30 - 140*	*04/27/18 08:13*	*05/08/18 03:15*	*1*
PCB-37L	*84*		*30 - 140*	*04/27/18 08:13*	*05/08/18 03:15*	*1*
PCB-54L	*97*		*30 - 140*	*04/27/18 08:13*	*05/08/18 03:15*	*1*
PCB-77L	*87*		*30 - 140*	*04/27/18 08:13*	*05/08/18 03:15*	*1*
PCB-81L	*84*		*30 - 140*	*04/27/18 08:13*	*05/08/18 03:15*	*1*
PCB-104L	*90*		*30 - 140*	*04/27/18 08:13*	*05/08/18 03:15*	*1*
PCB-105L	*86*		*30 - 140*	*04/27/18 08:13*	*05/08/18 03:15*	*1*
PCB-114L	*84*		*30 - 140*	*04/27/18 08:13*	*05/08/18 03:15*	*1*
PCB-118L	*86*		*30 - 140*	*04/27/18 08:13*	*05/08/18 03:15*	*1*
PCB-123L	*85*		*30 - 140*	*04/27/18 08:13*	*05/08/18 03:15*	*1*
PCB-126L	*87*		*30 - 140*	*04/27/18 08:13*	*05/08/18 03:15*	*1*
PCB-155L	*104*		*30 - 140*	*04/27/18 08:13*	*05/08/18 03:15*	*1*
PCB-156L	*87*	*C*	*30 - 140*	*04/27/18 08:13*	*05/08/18 03:15*	*1*
PCB-157L	*87*	*C156*	*30 - 140*	*04/27/18 08:13*	*05/08/18 03:15*	*1*
PCB-167L	*86*		*30 - 140*	*04/27/18 08:13*	*05/08/18 03:15*	*1*
PCB-169L	*91*		*30 - 140*	*04/27/18 08:13*	*05/08/18 03:15*	*1*
PCB-170L	*86*		*30 - 140*	*04/27/18 08:13*	*05/08/18 03:15*	*1*
PCB-188L	*89*		*30 - 140*	*04/27/18 08:13*	*05/08/18 03:15*	*1*
PCB-189L	*101*		*30 - 140*	*04/27/18 08:13*	*05/08/18 03:15*	*1*
PCB-202L	*95*		*30 - 140*	*04/27/18 08:13*	*05/08/18 03:15*	*1*
PCB-205L	*79*		*30 - 140*	*04/27/18 08:13*	*05/08/18 03:15*	*1*
PCB-206L	*70*		*30 - 140*	*04/27/18 08:13*	*05/08/18 03:15*	*1*
PCB-208L	*72*		*30 - 140*	*04/27/18 08:13*	*05/08/18 03:15*	*1*
PCB-209L	*63*		*30 - 140*	*04/27/18 08:13*	*05/08/18 03:15*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
PCB-28L	*79*		*40 - 125*	*04/27/18 08:13*	*05/08/18 03:15*	*1*
PCB-111L	*89*		*40 - 125*	*04/27/18 08:13*	*05/08/18 03:15*	*1*
PCB-178L	*87*		*40 - 125*	*04/27/18 08:13*	*05/08/18 03:15*	*1*

Client Sample ID: PDI-SG-B212-BL1
Date Collected: 04/18/18 11:08
Date Received: 04/20/18 13:00

Lab Sample ID: 580-76755-2
Matrix: Solid
Percent Solids: 41.5

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1	0.0030	J q	0.012	0.00020	ng/g	☼	04/27/18 08:13	05/08/18 04:18	1
PCB-2	0.011	J B	0.012	0.00021	ng/g	☼	04/27/18 08:13	05/08/18 04:18	1
PCB-3	0.0083	J B	0.012	0.00024	ng/g	☼	04/27/18 08:13	05/08/18 04:18	1
PCB-4	0.013	J q	0.024	0.00099	ng/g	☼	04/27/18 08:13	05/08/18 04:18	1
PCB-5	ND		0.012	0.00070	ng/g	☼	04/27/18 08:13	05/08/18 04:18	1
PCB-6	0.0041	J q	0.012	0.00069	ng/g	☼	04/27/18 08:13	05/08/18 04:18	1
PCB-7	0.0027	J	0.012	0.00066	ng/g	☼	04/27/18 08:13	05/08/18 04:18	1
PCB-8	0.018	J B q	0.024	0.00067	ng/g	☼	04/27/18 08:13	05/08/18 04:18	1
PCB-9	0.0018	J q	0.012	0.00077	ng/g	☼	04/27/18 08:13	05/08/18 04:18	1
PCB-10	ND		0.012	0.00074	ng/g	☼	04/27/18 08:13	05/08/18 04:18	1
PCB-11	0.045	B	0.024	0.00063	ng/g	☼	04/27/18 08:13	05/08/18 04:18	1
PCB-12	ND	C	0.024	0.00063	ng/g	☼	04/27/18 08:13	05/08/18 04:18	1
PCB-13	ND	C12	0.024	0.00063	ng/g	☼	04/27/18 08:13	05/08/18 04:18	1
PCB-14	ND		0.012	0.00058	ng/g	☼	04/27/18 08:13	05/08/18 04:18	1
PCB-15	0.020		0.012	0.00070	ng/g	☼	04/27/18 08:13	05/08/18 04:18	1
PCB-16	0.0084	J q	0.012	0.00017	ng/g	☼	04/27/18 08:13	05/08/18 04:18	1
PCB-17	0.0092	J q	0.012	0.00013	ng/g	☼	04/27/18 08:13	05/08/18 04:18	1
PCB-18	0.015	J C q	0.024	0.00011	ng/g	☼	04/27/18 08:13	05/08/18 04:18	1
PCB-19	0.0086	J q	0.012	0.00015	ng/g	☼	04/27/18 08:13	05/08/18 04:18	1
PCB-20	0.068	C B	0.024	0.0010	ng/g	☼	04/27/18 08:13	05/08/18 04:18	1
PCB-21	0.018	J C B q	0.024	0.00096	ng/g	☼	04/27/18 08:13	05/08/18 04:18	1
PCB-22	0.020	B	0.012	0.0010	ng/g	☼	04/27/18 08:13	05/08/18 04:18	1
PCB-23	ND		0.012	0.0010	ng/g	☼	04/27/18 08:13	05/08/18 04:18	1
PCB-24	ND		0.012	0.000095	ng/g	☼	04/27/18 08:13	05/08/18 04:18	1
PCB-25	0.0077	J B q	0.012	0.00098	ng/g	☼	04/27/18 08:13	05/08/18 04:18	1
PCB-26	0.010	J C B q	0.024	0.0010	ng/g	☼	04/27/18 08:13	05/08/18 04:18	1
PCB-27	0.00098	J q	0.012	0.000094	ng/g	☼	04/27/18 08:13	05/08/18 04:18	1
PCB-28	0.068	B C20	0.024	0.0010	ng/g	☼	04/27/18 08:13	05/08/18 04:18	1
PCB-29	0.010	J C26 B q	0.024	0.0010	ng/g	☼	04/27/18 08:13	05/08/18 04:18	1
PCB-30	0.015	J C18 q	0.024	0.00011	ng/g	☼	04/27/18 08:13	05/08/18 04:18	1
PCB-31	0.048	B	0.024	0.00095	ng/g	☼	04/27/18 08:13	05/08/18 04:18	1
PCB-32	0.0084	J q	0.012	0.000087	ng/g	☼	04/27/18 08:13	05/08/18 04:18	1
PCB-33	0.018	J B C21 q	0.024	0.00096	ng/g	☼	04/27/18 08:13	05/08/18 04:18	1
PCB-34	ND		0.012	0.0011	ng/g	☼	04/27/18 08:13	05/08/18 04:18	1
PCB-35	ND		0.012	0.0010	ng/g	☼	04/27/18 08:13	05/08/18 04:18	1
PCB-36	ND		0.012	0.00092	ng/g	☼	04/27/18 08:13	05/08/18 04:18	1
PCB-37	0.021		0.012	0.00095	ng/g	☼	04/27/18 08:13	05/08/18 04:18	1
PCB-38	ND		0.012	0.0010	ng/g	☼	04/27/18 08:13	05/08/18 04:18	1
PCB-39	ND		0.012	0.00091	ng/g	☼	04/27/18 08:13	05/08/18 04:18	1
PCB-40	0.041	C q	0.036	0.0022	ng/g	☼	04/27/18 08:13	05/08/18 04:18	1
PCB-41	0.041	q C40	0.036	0.0022	ng/g	☼	04/27/18 08:13	05/08/18 04:18	1
PCB-42	0.020	q	0.012	0.0022	ng/g	☼	04/27/18 08:13	05/08/18 04:18	1
PCB-43	ND	C	0.024	0.0020	ng/g	☼	04/27/18 08:13	05/08/18 04:18	1
PCB-44	0.12	C B	0.036	0.0020	ng/g	☼	04/27/18 08:13	05/08/18 04:18	1
PCB-45	0.027	C	0.024	0.0023	ng/g	☼	04/27/18 08:13	05/08/18 04:18	1
PCB-46	ND		0.012	0.0027	ng/g	☼	04/27/18 08:13	05/08/18 04:18	1
PCB-47	0.12	B C44	0.036	0.0020	ng/g	☼	04/27/18 08:13	05/08/18 04:18	1
PCB-48	0.012		0.012	0.0021	ng/g	☼	04/27/18 08:13	05/08/18 04:18	1
PCB-49	0.080	C	0.024	0.0018	ng/g	☼	04/27/18 08:13	05/08/18 04:18	1

Client Sample ID: PDI-SG-B212-BL1
Date Collected: 04/18/18 11:08
Date Received: 04/20/18 13:00

Lab Sample ID: 580-76755-2
Matrix: Solid
Percent Solids: 41.5

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 q	0.024	0.0022	ng/g	☼	04/27/18 08:13	05/08/18 04:18	1
PCB-51	0.027	C45	0.024	0.0023	ng/g	☼	04/27/18 08:13	05/08/18 04:18	1
PCB-52	0.17		0.012	0.0023	ng/g	☼	04/27/18 08:13	05/08/18 04:18	1
PCB-53	0.019	J C50 q	0.024	0.0022	ng/g	☼	04/27/18 08:13	05/08/18 04:18	1
PCB-54	0.0025	J q	0.012	0.00014	ng/g	☼	04/27/18 08:13	05/08/18 04:18	1
PCB-55	ND		0.012	0.0015	ng/g	☼	04/27/18 08:13	05/08/18 04:18	1
PCB-56	0.041		0.012	0.0015	ng/g	☼	04/27/18 08:13	05/08/18 04:18	1
PCB-57	ND		0.012	0.0015	ng/g	☼	04/27/18 08:13	05/08/18 04:18	1
PCB-58	ND		0.012	0.0015	ng/g	☼	04/27/18 08:13	05/08/18 04:18	1
PCB-59	0.0076	J C q	0.036	0.0015	ng/g	☼	04/27/18 08:13	05/08/18 04:18	1
PCB-60	0.013	q	0.012	0.0015	ng/g	☼	04/27/18 08:13	05/08/18 04:18	1
PCB-61	0.17	C B	0.048	0.0014	ng/g	☼	04/27/18 08:13	05/08/18 04:18	1
PCB-62	0.0076	J C59 q	0.036	0.0015	ng/g	☼	04/27/18 08:13	05/08/18 04:18	1
PCB-63	0.0027	J q	0.012	0.0013	ng/g	☼	04/27/18 08:13	05/08/18 04:18	1
PCB-64	0.031	q	0.012	0.0014	ng/g	☼	04/27/18 08:13	05/08/18 04:18	1
PCB-65	0.12	B C44	0.036	0.0020	ng/g	☼	04/27/18 08:13	05/08/18 04:18	1
PCB-66	0.11		0.012	0.0015	ng/g	☼	04/27/18 08:13	05/08/18 04:18	1
PCB-67	0.0018	J q	0.012	0.0014	ng/g	☼	04/27/18 08:13	05/08/18 04:18	1
PCB-68	ND		0.012	0.0013	ng/g	☼	04/27/18 08:13	05/08/18 04:18	1
PCB-69	0.080	C49	0.024	0.0018	ng/g	☼	04/27/18 08:13	05/08/18 04:18	1
PCB-70	0.17	C61 B	0.048	0.0014	ng/g	☼	04/27/18 08:13	05/08/18 04:18	1
PCB-71	0.041	q C40	0.036	0.0022	ng/g	☼	04/27/18 08:13	05/08/18 04:18	1
PCB-72	0.0016	J q	0.012	0.0015	ng/g	☼	04/27/18 08:13	05/08/18 04:18	1
PCB-73	ND	C43	0.024	0.0020	ng/g	☼	04/27/18 08:13	05/08/18 04:18	1
PCB-74	0.17	C61 B	0.048	0.0014	ng/g	☼	04/27/18 08:13	05/08/18 04:18	1
PCB-75	0.0076	J C59 q	0.036	0.0015	ng/g	☼	04/27/18 08:13	05/08/18 04:18	1
PCB-76	0.17	C61 B	0.048	0.0014	ng/g	☼	04/27/18 08:13	05/08/18 04:18	1
PCB-77	0.012	q	0.012	0.0014	ng/g	☼	04/27/18 08:13	05/08/18 04:18	1
PCB-78	ND		0.012	0.0015	ng/g	☼	04/27/18 08:13	05/08/18 04:18	1
PCB-79	ND		0.012	0.0013	ng/g	☼	04/27/18 08:13	05/08/18 04:18	1
PCB-80	ND		0.012	0.0013	ng/g	☼	04/27/18 08:13	05/08/18 04:18	1
PCB-81	ND		0.012	0.0014	ng/g	☼	04/27/18 08:13	05/08/18 04:18	1
PCB-82	0.026		0.012	0.0016	ng/g	☼	04/27/18 08:13	05/08/18 04:18	1
PCB-83	0.16	C	0.024	0.0015	ng/g	☼	04/27/18 08:13	05/08/18 04:18	1
PCB-84	0.050		0.012	0.0016	ng/g	☼	04/27/18 08:13	05/08/18 04:18	1
PCB-85	0.051	C	0.036	0.0011	ng/g	☼	04/27/18 08:13	05/08/18 04:18	1
PCB-86	0.16	C	0.072	0.0012	ng/g	☼	04/27/18 08:13	05/08/18 04:18	1
PCB-87	0.16	C86	0.072	0.0012	ng/g	☼	04/27/18 08:13	05/08/18 04:18	1
PCB-88	0.044	C	0.024	0.0014	ng/g	☼	04/27/18 08:13	05/08/18 04:18	1
PCB-89	ND		0.012	0.0015	ng/g	☼	04/27/18 08:13	05/08/18 04:18	1
PCB-90	0.26	C	0.036	0.0012	ng/g	☼	04/27/18 08:13	05/08/18 04:18	1
PCB-91	0.044	C88	0.024	0.0014	ng/g	☼	04/27/18 08:13	05/08/18 04:18	1
PCB-92	0.057		0.012	0.0015	ng/g	☼	04/27/18 08:13	05/08/18 04:18	1
PCB-93	0.0040	J C q	0.024	0.0015	ng/g	☼	04/27/18 08:13	05/08/18 04:18	1
PCB-94	ND		0.012	0.0015	ng/g	☼	04/27/18 08:13	05/08/18 04:18	1
PCB-95	0.20		0.012	0.0015	ng/g	☼	04/27/18 08:13	05/08/18 04:18	1
PCB-96	0.0040	J	0.012	0.0012	ng/g	☼	04/27/18 08:13	05/08/18 04:18	1
PCB-97	0.16	C86	0.072	0.0012	ng/g	☼	04/27/18 08:13	05/08/18 04:18	1
PCB-98	0.0094	J C	0.024	0.0014	ng/g	☼	04/27/18 08:13	05/08/18 04:18	1

Client Sample ID: PDI-SG-B212-BL1
Date Collected: 04/18/18 11:08
Date Received: 04/20/18 13:00

Lab Sample ID: 580-76755-2
Matrix: Solid
Percent Solids: 41.5

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-99	0.16	C83	0.024	0.0015	ng/g	☼	04/27/18 08:13	05/08/18 04:18	1
PCB-100	0.0040	J C93 q	0.024	0.0015	ng/g	☼	04/27/18 08:13	05/08/18 04:18	1
PCB-101	0.26	C90	0.036	0.0012	ng/g	☼	04/27/18 08:13	05/08/18 04:18	1
PCB-102	0.0094	J C98	0.024	0.0014	ng/g	☼	04/27/18 08:13	05/08/18 04:18	1
PCB-103	0.0046	J q	0.012	0.0013	ng/g	☼	04/27/18 08:13	05/08/18 04:18	1
PCB-104	ND		0.012	0.0010	ng/g	☼	04/27/18 08:13	05/08/18 04:18	1
PCB-105	0.080		0.012	0.0023	ng/g	☼	04/27/18 08:13	05/08/18 04:18	1
PCB-106	ND		0.012	0.0024	ng/g	☼	04/27/18 08:13	05/08/18 04:18	1
PCB-107	0.021		0.012	0.0023	ng/g	☼	04/27/18 08:13	05/08/18 04:18	1
PCB-108	0.0078	J C	0.024	0.0024	ng/g	☼	04/27/18 08:13	05/08/18 04:18	1
PCB-109	0.16	C86	0.072	0.0012	ng/g	☼	04/27/18 08:13	05/08/18 04:18	1
PCB-110	0.29	C	0.024	0.00099	ng/g	☼	04/27/18 08:13	05/08/18 04:18	1
PCB-111	ND		0.012	0.00093	ng/g	☼	04/27/18 08:13	05/08/18 04:18	1
PCB-112	ND		0.012	0.0010	ng/g	☼	04/27/18 08:13	05/08/18 04:18	1
PCB-113	0.26	C90	0.036	0.0012	ng/g	☼	04/27/18 08:13	05/08/18 04:18	1
PCB-114	0.0059	J	0.012	0.0022	ng/g	☼	04/27/18 08:13	05/08/18 04:18	1
PCB-115	0.29	C110	0.024	0.00099	ng/g	☼	04/27/18 08:13	05/08/18 04:18	1
PCB-116	0.051	C85	0.036	0.0011	ng/g	☼	04/27/18 08:13	05/08/18 04:18	1
PCB-117	0.051	C85	0.036	0.0011	ng/g	☼	04/27/18 08:13	05/08/18 04:18	1
PCB-118	0.21	B	0.012	0.0022	ng/g	☼	04/27/18 08:13	05/08/18 04:18	1
PCB-119	0.16	C86	0.072	0.0012	ng/g	☼	04/27/18 08:13	05/08/18 04:18	1
PCB-120	0.0015	J q	0.012	0.00091	ng/g	☼	04/27/18 08:13	05/08/18 04:18	1
PCB-121	ND		0.012	0.00099	ng/g	☼	04/27/18 08:13	05/08/18 04:18	1
PCB-122	ND		0.012	0.0026	ng/g	☼	04/27/18 08:13	05/08/18 04:18	1
PCB-123	ND		0.012	0.0022	ng/g	☼	04/27/18 08:13	05/08/18 04:18	1
PCB-124	0.0078	J C108	0.024	0.0024	ng/g	☼	04/27/18 08:13	05/08/18 04:18	1
PCB-125	0.16	C86	0.072	0.0012	ng/g	☼	04/27/18 08:13	05/08/18 04:18	1
PCB-126	ND		0.012	0.0023	ng/g	☼	04/27/18 08:13	05/08/18 04:18	1
PCB-127	ND		0.012	0.0023	ng/g	☼	04/27/18 08:13	05/08/18 04:18	1
PCB-128	0.061	C B	0.024	0.0013	ng/g	☼	04/27/18 08:13	05/08/18 04:18	1
PCB-129	0.40	C B	0.048	0.0013	ng/g	☼	04/27/18 08:13	05/08/18 04:18	1
PCB-130	0.024		0.012	0.0018	ng/g	☼	04/27/18 08:13	05/08/18 04:18	1
PCB-131	ND		0.012	0.0018	ng/g	☼	04/27/18 08:13	05/08/18 04:18	1
PCB-132	0.12		0.012	0.0017	ng/g	☼	04/27/18 08:13	05/08/18 04:18	1
PCB-133	0.0083	J	0.012	0.0017	ng/g	☼	04/27/18 08:13	05/08/18 04:18	1
PCB-134	0.023	J C	0.024	0.0018	ng/g	☼	04/27/18 08:13	05/08/18 04:18	1
PCB-135	0.12	C	0.024	0.00015	ng/g	☼	04/27/18 08:13	05/08/18 04:18	1
PCB-136	0.045		0.012	0.00010	ng/g	☼	04/27/18 08:13	05/08/18 04:18	1
PCB-137	0.011	J q	0.012	0.0015	ng/g	☼	04/27/18 08:13	05/08/18 04:18	1
PCB-138	0.40	B C129	0.048	0.0013	ng/g	☼	04/27/18 08:13	05/08/18 04:18	1
PCB-139	0.0035	J C q	0.024	0.0015	ng/g	☼	04/27/18 08:13	05/08/18 04:18	1
PCB-140	0.0035	J C139 q	0.024	0.0015	ng/g	☼	04/27/18 08:13	05/08/18 04:18	1
PCB-141	0.073		0.012	0.0016	ng/g	☼	04/27/18 08:13	05/08/18 04:18	1
PCB-142	ND		0.012	0.0017	ng/g	☼	04/27/18 08:13	05/08/18 04:18	1
PCB-143	0.023	J C134	0.024	0.0018	ng/g	☼	04/27/18 08:13	05/08/18 04:18	1
PCB-144	0.013	q	0.012	0.00014	ng/g	☼	04/27/18 08:13	05/08/18 04:18	1
PCB-145	ND		0.012	0.00010	ng/g	☼	04/27/18 08:13	05/08/18 04:18	1
PCB-146	0.072		0.012	0.0014	ng/g	☼	04/27/18 08:13	05/08/18 04:18	1
PCB-147	0.31	C B	0.024	0.0015	ng/g	☼	04/27/18 08:13	05/08/18 04:18	1

Client Sample ID: PDI-SG-B212-BL1
Date Collected: 04/18/18 11:08
Date Received: 04/20/18 13:00

Lab Sample ID: 580-76755-2
Matrix: Solid
Percent Solids: 41.5

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-148	0.00035	J q	0.012	0.00014	ng/g	☼	04/27/18 08:13	05/08/18 04:18	1
PCB-149	0.31	B C147	0.024	0.0015	ng/g	☼	04/27/18 08:13	05/08/18 04:18	1
PCB-150	0.00097	J q	0.012	0.000094	ng/g	☼	04/27/18 08:13	05/08/18 04:18	1
PCB-151	0.12	C135	0.024	0.00015	ng/g	☼	04/27/18 08:13	05/08/18 04:18	1
PCB-152	ND		0.012	0.00010	ng/g	☼	04/27/18 08:13	05/08/18 04:18	1
PCB-153	0.33	C	0.024	0.0012	ng/g	☼	04/27/18 08:13	05/08/18 04:18	1
PCB-154	0.0072	J q	0.012	0.00012	ng/g	☼	04/27/18 08:13	05/08/18 04:18	1
PCB-155	ND		0.012	0.000096	ng/g	☼	04/27/18 08:13	05/08/18 04:18	1
PCB-156	0.044	C B	0.024	0.0014	ng/g	☼	04/27/18 08:13	05/08/18 04:18	1
PCB-157	0.044	C156 B	0.024	0.0014	ng/g	☼	04/27/18 08:13	05/08/18 04:18	1
PCB-158	0.035	q	0.012	0.0010	ng/g	☼	04/27/18 08:13	05/08/18 04:18	1
PCB-159	0.0044	J B	0.012	0.0011	ng/g	☼	04/27/18 08:13	05/08/18 04:18	1
PCB-160	0.40	B C129	0.048	0.0013	ng/g	☼	04/27/18 08:13	05/08/18 04:18	1
PCB-161	ND		0.012	0.0011	ng/g	☼	04/27/18 08:13	05/08/18 04:18	1
PCB-162	0.0019	J	0.012	0.0011	ng/g	☼	04/27/18 08:13	05/08/18 04:18	1
PCB-163	0.40	B C129	0.048	0.0013	ng/g	☼	04/27/18 08:13	05/08/18 04:18	1
PCB-164	0.029		0.012	0.0011	ng/g	☼	04/27/18 08:13	05/08/18 04:18	1
PCB-165	ND		0.012	0.0013	ng/g	☼	04/27/18 08:13	05/08/18 04:18	1
PCB-166	0.061	C128 B	0.024	0.0013	ng/g	☼	04/27/18 08:13	05/08/18 04:18	1
PCB-167	0.014	B	0.012	0.00080	ng/g	☼	04/27/18 08:13	05/08/18 04:18	1
PCB-168	0.33	C153	0.024	0.0012	ng/g	☼	04/27/18 08:13	05/08/18 04:18	1
PCB-169	ND		0.012	0.00081	ng/g	☼	04/27/18 08:13	05/08/18 04:18	1
PCB-170	0.12		0.012	0.00015	ng/g	☼	04/27/18 08:13	05/08/18 04:18	1
PCB-171	0.035	C q	0.024	0.00014	ng/g	☼	04/27/18 08:13	05/08/18 04:18	1
PCB-172	0.019		0.012	0.00014	ng/g	☼	04/27/18 08:13	05/08/18 04:18	1
PCB-173	0.035	C171 q	0.024	0.00014	ng/g	☼	04/27/18 08:13	05/08/18 04:18	1
PCB-174	0.13		0.012	0.00014	ng/g	☼	04/27/18 08:13	05/08/18 04:18	1
PCB-175	0.0039	J q	0.012	0.00013	ng/g	☼	04/27/18 08:13	05/08/18 04:18	1
PCB-176	0.014		0.012	0.000091	ng/g	☼	04/27/18 08:13	05/08/18 04:18	1
PCB-177	0.077		0.012	0.00015	ng/g	☼	04/27/18 08:13	05/08/18 04:18	1
PCB-178	0.028		0.012	0.00014	ng/g	☼	04/27/18 08:13	05/08/18 04:18	1
PCB-179	0.049	q	0.012	0.00010	ng/g	☼	04/27/18 08:13	05/08/18 04:18	1
PCB-180	0.25	C	0.024	0.00011	ng/g	☼	04/27/18 08:13	05/08/18 04:18	1
PCB-181	ND		0.012	0.00012	ng/g	☼	04/27/18 08:13	05/08/18 04:18	1
PCB-182	ND		0.012	0.00012	ng/g	☼	04/27/18 08:13	05/08/18 04:18	1
PCB-183	0.075	C	0.024	0.00012	ng/g	☼	04/27/18 08:13	05/08/18 04:18	1
PCB-184	ND		0.012	0.00010	ng/g	☼	04/27/18 08:13	05/08/18 04:18	1
PCB-185	0.075	C183	0.024	0.00012	ng/g	☼	04/27/18 08:13	05/08/18 04:18	1
PCB-186	ND		0.012	0.000097	ng/g	☼	04/27/18 08:13	05/08/18 04:18	1
PCB-187	0.16		0.012	0.00012	ng/g	☼	04/27/18 08:13	05/08/18 04:18	1
PCB-188	ND		0.012	0.000088	ng/g	☼	04/27/18 08:13	05/08/18 04:18	1
PCB-189	0.0045	J	0.012	0.00082	ng/g	☼	04/27/18 08:13	05/08/18 04:18	1
PCB-190	0.019		0.012	0.000092	ng/g	☼	04/27/18 08:13	05/08/18 04:18	1
PCB-191	0.0035	J q	0.012	0.000093	ng/g	☼	04/27/18 08:13	05/08/18 04:18	1
PCB-192	ND		0.012	0.000099	ng/g	☼	04/27/18 08:13	05/08/18 04:18	1
PCB-193	0.25	C180	0.024	0.00011	ng/g	☼	04/27/18 08:13	05/08/18 04:18	1
PCB-194	0.065	B	0.012	0.0011	ng/g	☼	04/27/18 08:13	05/08/18 04:18	1
PCB-195	0.026		0.012	0.0012	ng/g	☼	04/27/18 08:13	05/08/18 04:18	1
PCB-196	0.023	q	0.012	0.00016	ng/g	☼	04/27/18 08:13	05/08/18 04:18	1

Client Sample ID: PDI-SG-B212-BL1
Date Collected: 04/18/18 11:08
Date Received: 04/20/18 13:00

Lab Sample ID: 580-76755-2
Matrix: Solid
Percent Solids: 41.5

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-197	0.0019	J	0.012	0.00011	ng/g	☼	04/27/18 08:13	05/08/18 04:18	1
PCB-198	0.069	C q	0.024	0.00017	ng/g	☼	04/27/18 08:13	05/08/18 04:18	1
PCB-199	0.069	C198 q	0.024	0.00017	ng/g	☼	04/27/18 08:13	05/08/18 04:18	1
PCB-200	0.0060	J q	0.012	0.00012	ng/g	☼	04/27/18 08:13	05/08/18 04:18	1
PCB-201	0.0054	J	0.012	0.00012	ng/g	☼	04/27/18 08:13	05/08/18 04:18	1
PCB-202	0.017	q	0.012	0.00013	ng/g	☼	04/27/18 08:13	05/08/18 04:18	1
PCB-203	0.043		0.012	0.00015	ng/g	☼	04/27/18 08:13	05/08/18 04:18	1
PCB-204	ND		0.012	0.00012	ng/g	☼	04/27/18 08:13	05/08/18 04:18	1
PCB-205	0.0019	J q	0.012	0.00081	ng/g	☼	04/27/18 08:13	05/08/18 04:18	1
PCB-206	0.088		0.012	0.0023	ng/g	☼	04/27/18 08:13	05/08/18 04:18	1
PCB-207	0.0073	J q	0.012	0.0015	ng/g	☼	04/27/18 08:13	05/08/18 04:18	1
PCB-208	0.028		0.012	0.0016	ng/g	☼	04/27/18 08:13	05/08/18 04:18	1
PCB-209	0.057	B	0.012	0.00014	ng/g	☼	04/27/18 08:13	05/08/18 04:18	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
PCB-1L	*83*		*30 - 140*	*04/27/18 08:13*	*05/08/18 04:18*	*1*
PCB-3L	*82*		*30 - 140*	*04/27/18 08:13*	*05/08/18 04:18*	*1*
PCB-4L	*87*		*30 - 140*	*04/27/18 08:13*	*05/08/18 04:18*	*1*
PCB-15L	*84*		*30 - 140*	*04/27/18 08:13*	*05/08/18 04:18*	*1*
PCB-19L	*82*		*30 - 140*	*04/27/18 08:13*	*05/08/18 04:18*	*1*
PCB-37L	*84*		*30 - 140*	*04/27/18 08:13*	*05/08/18 04:18*	*1*
PCB-54L	*100*		*30 - 140*	*04/27/18 08:13*	*05/08/18 04:18*	*1*
PCB-77L	*90*		*30 - 140*	*04/27/18 08:13*	*05/08/18 04:18*	*1*
PCB-81L	*88*		*30 - 140*	*04/27/18 08:13*	*05/08/18 04:18*	*1*
PCB-104L	*88*		*30 - 140*	*04/27/18 08:13*	*05/08/18 04:18*	*1*
PCB-105L	*83*		*30 - 140*	*04/27/18 08:13*	*05/08/18 04:18*	*1*
PCB-114L	*81*		*30 - 140*	*04/27/18 08:13*	*05/08/18 04:18*	*1*
PCB-118L	*85*		*30 - 140*	*04/27/18 08:13*	*05/08/18 04:18*	*1*
PCB-123L	*84*		*30 - 140*	*04/27/18 08:13*	*05/08/18 04:18*	*1*
PCB-126L	*86*		*30 - 140*	*04/27/18 08:13*	*05/08/18 04:18*	*1*
PCB-155L	*103*		*30 - 140*	*04/27/18 08:13*	*05/08/18 04:18*	*1*
PCB-156L	*91*	*C*	*30 - 140*	*04/27/18 08:13*	*05/08/18 04:18*	*1*
PCB-157L	*91*	*C156*	*30 - 140*	*04/27/18 08:13*	*05/08/18 04:18*	*1*
PCB-167L	*92*		*30 - 140*	*04/27/18 08:13*	*05/08/18 04:18*	*1*
PCB-169L	*90*		*30 - 140*	*04/27/18 08:13*	*05/08/18 04:18*	*1*
PCB-170L	*80*		*30 - 140*	*04/27/18 08:13*	*05/08/18 04:18*	*1*
PCB-188L	*84*		*30 - 140*	*04/27/18 08:13*	*05/08/18 04:18*	*1*
PCB-189L	*94*		*30 - 140*	*04/27/18 08:13*	*05/08/18 04:18*	*1*
PCB-202L	*96*		*30 - 140*	*04/27/18 08:13*	*05/08/18 04:18*	*1*
PCB-205L	*78*		*30 - 140*	*04/27/18 08:13*	*05/08/18 04:18*	*1*
PCB-206L	*65*		*30 - 140*	*04/27/18 08:13*	*05/08/18 04:18*	*1*
PCB-208L	*66*		*30 - 140*	*04/27/18 08:13*	*05/08/18 04:18*	*1*
PCB-209L	*59*		*30 - 140*	*04/27/18 08:13*	*05/08/18 04:18*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
PCB-28L	*79*		*40 - 125*	*04/27/18 08:13*	*05/08/18 04:18*	*1*
PCB-111L	*92*		*40 - 125*	*04/27/18 08:13*	*05/08/18 04:18*	*1*
PCB-178L	*82*		*40 - 125*	*04/27/18 08:13*	*05/08/18 04:18*	*1*

Client Sample ID: PDI-SG-B220-BL1

Date Collected: 04/18/18 12:08
Date Received: 04/20/18 13:00

Lab Sample ID: 580-76755-3

Matrix: Solid
Percent Solids: 55.1

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1	0.0029	J	0.0096	0.00017	ng/g	☼	04/27/18 08:13	05/08/18 05:22	1
PCB-2	0.0069	J B	0.0096	0.00019	ng/g	☼	04/27/18 08:13	05/08/18 05:22	1
PCB-3	0.0031	J B q	0.0096	0.00021	ng/g	☼	04/27/18 08:13	05/08/18 05:22	1
PCB-4	0.0081	J q	0.019	0.00063	ng/g	☼	04/27/18 08:13	05/08/18 05:22	1
PCB-5	ND		0.0096	0.00042	ng/g	☼	04/27/18 08:13	05/08/18 05:22	1
PCB-6	0.0032	J	0.0096	0.00042	ng/g	☼	04/27/18 08:13	05/08/18 05:22	1
PCB-7	0.00096	J	0.0096	0.00040	ng/g	☼	04/27/18 08:13	05/08/18 05:22	1
PCB-8	0.012	J B	0.019	0.00041	ng/g	☼	04/27/18 08:13	05/08/18 05:22	1
PCB-9	ND		0.0096	0.00046	ng/g	☼	04/27/18 08:13	05/08/18 05:22	1
PCB-10	ND		0.0096	0.00045	ng/g	☼	04/27/18 08:13	05/08/18 05:22	1
PCB-11	0.030	B	0.019	0.00038	ng/g	☼	04/27/18 08:13	05/08/18 05:22	1
PCB-12	0.0017	J C B q	0.019	0.00038	ng/g	☼	04/27/18 08:13	05/08/18 05:22	1
PCB-13	0.0017	J C12 B q	0.019	0.00038	ng/g	☼	04/27/18 08:13	05/08/18 05:22	1
PCB-14	ND		0.0096	0.00035	ng/g	☼	04/27/18 08:13	05/08/18 05:22	1
PCB-15	0.0097	q	0.0096	0.00040	ng/g	☼	04/27/18 08:13	05/08/18 05:22	1
PCB-16	0.0050	J q	0.0096	0.000099	ng/g	☼	04/27/18 08:13	05/08/18 05:22	1
PCB-17	0.0082	J q	0.0096	0.000075	ng/g	☼	04/27/18 08:13	05/08/18 05:22	1
PCB-18	0.015	J C q	0.019	0.000066	ng/g	☼	04/27/18 08:13	05/08/18 05:22	1
PCB-19	0.011		0.0096	0.000093	ng/g	☼	04/27/18 08:13	05/08/18 05:22	1
PCB-20	0.045	C B q	0.019	0.00054	ng/g	☼	04/27/18 08:13	05/08/18 05:22	1
PCB-21	0.020	C B	0.019	0.00050	ng/g	☼	04/27/18 08:13	05/08/18 05:22	1
PCB-22	0.013	B	0.0096	0.00055	ng/g	☼	04/27/18 08:13	05/08/18 05:22	1
PCB-23	ND		0.0096	0.00054	ng/g	☼	04/27/18 08:13	05/08/18 05:22	1
PCB-24	ND		0.0096	0.000057	ng/g	☼	04/27/18 08:13	05/08/18 05:22	1
PCB-25	0.0049	J B q	0.0096	0.00051	ng/g	☼	04/27/18 08:13	05/08/18 05:22	1
PCB-26	0.0073	J C B q	0.019	0.00054	ng/g	☼	04/27/18 08:13	05/08/18 05:22	1
PCB-27	0.0022	J q	0.0096	0.000057	ng/g	☼	04/27/18 08:13	05/08/18 05:22	1
PCB-28	0.045	B C20 q	0.019	0.00054	ng/g	☼	04/27/18 08:13	05/08/18 05:22	1
PCB-29	0.0073	J C26 B q	0.019	0.00054	ng/g	☼	04/27/18 08:13	05/08/18 05:22	1
PCB-30	0.015	J C18 q	0.019	0.000066	ng/g	☼	04/27/18 08:13	05/08/18 05:22	1
PCB-31	0.033	B q	0.019	0.00050	ng/g	☼	04/27/18 08:13	05/08/18 05:22	1
PCB-32	0.0072	J	0.0096	0.000052	ng/g	☼	04/27/18 08:13	05/08/18 05:22	1
PCB-33	0.020	B C21	0.019	0.00050	ng/g	☼	04/27/18 08:13	05/08/18 05:22	1
PCB-34	ND		0.0096	0.00056	ng/g	☼	04/27/18 08:13	05/08/18 05:22	1
PCB-35	0.00087	J q	0.0096	0.00053	ng/g	☼	04/27/18 08:13	05/08/18 05:22	1
PCB-36	ND		0.0096	0.00048	ng/g	☼	04/27/18 08:13	05/08/18 05:22	1
PCB-37	0.014		0.0096	0.00050	ng/g	☼	04/27/18 08:13	05/08/18 05:22	1
PCB-38	ND		0.0096	0.00052	ng/g	☼	04/27/18 08:13	05/08/18 05:22	1
PCB-39	ND		0.0096	0.00048	ng/g	☼	04/27/18 08:13	05/08/18 05:22	1
PCB-40	0.031	C	0.029	0.00079	ng/g	☼	04/27/18 08:13	05/08/18 05:22	1
PCB-41	0.031	C40	0.029	0.00079	ng/g	☼	04/27/18 08:13	05/08/18 05:22	1
PCB-42	0.019		0.0096	0.00080	ng/g	☼	04/27/18 08:13	05/08/18 05:22	1
PCB-43	0.0016	J C q	0.019	0.00071	ng/g	☼	04/27/18 08:13	05/08/18 05:22	1
PCB-44	0.081	C B	0.029	0.00071	ng/g	☼	04/27/18 08:13	05/08/18 05:22	1
PCB-45	0.015	J C	0.019	0.00083	ng/g	☼	04/27/18 08:13	05/08/18 05:22	1
PCB-46	0.0042	J	0.0096	0.00097	ng/g	☼	04/27/18 08:13	05/08/18 05:22	1
PCB-47	0.081	B C44	0.029	0.00071	ng/g	☼	04/27/18 08:13	05/08/18 05:22	1
PCB-48	0.0085	J	0.0096	0.00076	ng/g	☼	04/27/18 08:13	05/08/18 05:22	1
PCB-49	0.051	C q	0.019	0.00063	ng/g	☼	04/27/18 08:13	05/08/18 05:22	1

Client Sample ID: PDI-SG-B220-BL1
Date Collected: 04/18/18 12:08
Date Received: 04/20/18 13:00

Lab Sample ID: 580-76755-3
Matrix: Solid
Percent Solids: 55.1

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	0.019	0.00079	ng/g	☼	04/27/18 08:13	05/08/18 05:22	1
PCB-51	0.015	J C45	0.019	0.00083	ng/g	☼	04/27/18 08:13	05/08/18 05:22	1
PCB-52	0.11		0.0096	0.00083	ng/g	☼	04/27/18 08:13	05/08/18 05:22	1
PCB-53	0.014	J C50	0.019	0.00079	ng/g	☼	04/27/18 08:13	05/08/18 05:22	1
PCB-54	0.0012	J q	0.0096	0.000067	ng/g	☼	04/27/18 08:13	05/08/18 05:22	1
PCB-55	ND		0.0096	0.00054	ng/g	☼	04/27/18 08:13	05/08/18 05:22	1
PCB-56	0.027		0.0096	0.00055	ng/g	☼	04/27/18 08:13	05/08/18 05:22	1
PCB-57	ND		0.0096	0.00055	ng/g	☼	04/27/18 08:13	05/08/18 05:22	1
PCB-58	0.00069	J q	0.0096	0.00053	ng/g	☼	04/27/18 08:13	05/08/18 05:22	1
PCB-59	0.0054	J C	0.029	0.00054	ng/g	☼	04/27/18 08:13	05/08/18 05:22	1
PCB-60	0.0099		0.0096	0.00054	ng/g	☼	04/27/18 08:13	05/08/18 05:22	1
PCB-61	0.12	C B	0.038	0.00052	ng/g	☼	04/27/18 08:13	05/08/18 05:22	1
PCB-62	0.0054	J C59	0.029	0.00054	ng/g	☼	04/27/18 08:13	05/08/18 05:22	1
PCB-63	0.0026	J	0.0096	0.00048	ng/g	☼	04/27/18 08:13	05/08/18 05:22	1
PCB-64	0.025		0.0096	0.00050	ng/g	☼	04/27/18 08:13	05/08/18 05:22	1
PCB-65	0.081	B C44	0.029	0.00071	ng/g	☼	04/27/18 08:13	05/08/18 05:22	1
PCB-66	0.075		0.0096	0.00052	ng/g	☼	04/27/18 08:13	05/08/18 05:22	1
PCB-67	0.0023	J	0.0096	0.00051	ng/g	☼	04/27/18 08:13	05/08/18 05:22	1
PCB-68	0.0012	J	0.0096	0.00048	ng/g	☼	04/27/18 08:13	05/08/18 05:22	1
PCB-69	0.051	C49 q	0.019	0.00063	ng/g	☼	04/27/18 08:13	05/08/18 05:22	1
PCB-70	0.12	C61 B	0.038	0.00052	ng/g	☼	04/27/18 08:13	05/08/18 05:22	1
PCB-71	0.031	C40	0.029	0.00079	ng/g	☼	04/27/18 08:13	05/08/18 05:22	1
PCB-72	0.0023	J	0.0096	0.00054	ng/g	☼	04/27/18 08:13	05/08/18 05:22	1
PCB-73	0.0016	J C43 q	0.019	0.00071	ng/g	☼	04/27/18 08:13	05/08/18 05:22	1
PCB-74	0.12	C61 B	0.038	0.00052	ng/g	☼	04/27/18 08:13	05/08/18 05:22	1
PCB-75	0.0054	J C59	0.029	0.00054	ng/g	☼	04/27/18 08:13	05/08/18 05:22	1
PCB-76	0.12	C61 B	0.038	0.00052	ng/g	☼	04/27/18 08:13	05/08/18 05:22	1
PCB-77	0.0070	J q	0.0096	0.00049	ng/g	☼	04/27/18 08:13	05/08/18 05:22	1
PCB-78	ND		0.0096	0.00053	ng/g	☼	04/27/18 08:13	05/08/18 05:22	1
PCB-79	0.0020	J	0.0096	0.00045	ng/g	☼	04/27/18 08:13	05/08/18 05:22	1
PCB-80	ND		0.0096	0.00047	ng/g	☼	04/27/18 08:13	05/08/18 05:22	1
PCB-81	ND		0.0096	0.00051	ng/g	☼	04/27/18 08:13	05/08/18 05:22	1
PCB-82	0.012	q	0.0096	0.00049	ng/g	☼	04/27/18 08:13	05/08/18 05:22	1
PCB-83	0.093	C	0.019	0.00047	ng/g	☼	04/27/18 08:13	05/08/18 05:22	1
PCB-84	0.027		0.0096	0.00052	ng/g	☼	04/27/18 08:13	05/08/18 05:22	1
PCB-85	0.025	J C	0.029	0.00036	ng/g	☼	04/27/18 08:13	05/08/18 05:22	1
PCB-86	0.073	C	0.058	0.00038	ng/g	☼	04/27/18 08:13	05/08/18 05:22	1
PCB-87	0.073	C86	0.058	0.00038	ng/g	☼	04/27/18 08:13	05/08/18 05:22	1
PCB-88	0.023	C q	0.019	0.00045	ng/g	☼	04/27/18 08:13	05/08/18 05:22	1
PCB-89	ND		0.0096	0.00049	ng/g	☼	04/27/18 08:13	05/08/18 05:22	1
PCB-90	0.15	C	0.029	0.00038	ng/g	☼	04/27/18 08:13	05/08/18 05:22	1
PCB-91	0.023	C88 q	0.019	0.00045	ng/g	☼	04/27/18 08:13	05/08/18 05:22	1
PCB-92	0.035		0.0096	0.00046	ng/g	☼	04/27/18 08:13	05/08/18 05:22	1
PCB-93	0.0052	J C q	0.019	0.00046	ng/g	☼	04/27/18 08:13	05/08/18 05:22	1
PCB-94	0.0012	J q	0.0096	0.00049	ng/g	☼	04/27/18 08:13	05/08/18 05:22	1
PCB-95	0.13		0.0096	0.00048	ng/g	☼	04/27/18 08:13	05/08/18 05:22	1
PCB-96	0.0022	J	0.0096	0.00036	ng/g	☼	04/27/18 08:13	05/08/18 05:22	1
PCB-97	0.073	C86	0.058	0.00038	ng/g	☼	04/27/18 08:13	05/08/18 05:22	1
PCB-98	0.0051	J C q	0.019	0.00045	ng/g	☼	04/27/18 08:13	05/08/18 05:22	1

Client Sample ID: PDI-SG-B220-BL1
Date Collected: 04/18/18 12:08
Date Received: 04/20/18 13:00

Lab Sample ID: 580-76755-3
Matrix: Solid
Percent Solids: 55.1

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-99	0.093	C83	0.019	0.00047	ng/g	☼	04/27/18 08:13	05/08/18 05:22	1
PCB-100	0.0052	J C93 q	0.019	0.00046	ng/g	☼	04/27/18 08:13	05/08/18 05:22	1
PCB-101	0.15	C90	0.029	0.00038	ng/g	☼	04/27/18 08:13	05/08/18 05:22	1
PCB-102	0.0051	J C98 q	0.019	0.00045	ng/g	☼	04/27/18 08:13	05/08/18 05:22	1
PCB-103	0.0058	J	0.0096	0.00042	ng/g	☼	04/27/18 08:13	05/08/18 05:22	1
PCB-104	ND		0.0096	0.00033	ng/g	☼	04/27/18 08:13	05/08/18 05:22	1
PCB-105	0.041		0.0096	0.00086	ng/g	☼	04/27/18 08:13	05/08/18 05:22	1
PCB-106	ND		0.0096	0.00090	ng/g	☼	04/27/18 08:13	05/08/18 05:22	1
PCB-107	0.010		0.0096	0.00087	ng/g	☼	04/27/18 08:13	05/08/18 05:22	1
PCB-108	0.0053	J C	0.019	0.00091	ng/g	☼	04/27/18 08:13	05/08/18 05:22	1
PCB-109	0.073	C86	0.058	0.00038	ng/g	☼	04/27/18 08:13	05/08/18 05:22	1
PCB-110	0.15	C	0.019	0.00031	ng/g	☼	04/27/18 08:13	05/08/18 05:22	1
PCB-111	ND		0.0096	0.00029	ng/g	☼	04/27/18 08:13	05/08/18 05:22	1
PCB-112	ND		0.0096	0.00032	ng/g	☼	04/27/18 08:13	05/08/18 05:22	1
PCB-113	0.15	C90	0.029	0.00038	ng/g	☼	04/27/18 08:13	05/08/18 05:22	1
PCB-114	0.0028	J	0.0096	0.00082	ng/g	☼	04/27/18 08:13	05/08/18 05:22	1
PCB-115	0.15	C110	0.019	0.00031	ng/g	☼	04/27/18 08:13	05/08/18 05:22	1
PCB-116	0.025	J C85	0.029	0.00036	ng/g	☼	04/27/18 08:13	05/08/18 05:22	1
PCB-117	0.025	J C85	0.029	0.00036	ng/g	☼	04/27/18 08:13	05/08/18 05:22	1
PCB-118	0.11	B	0.0096	0.00083	ng/g	☼	04/27/18 08:13	05/08/18 05:22	1
PCB-119	0.073	C86	0.058	0.00038	ng/g	☼	04/27/18 08:13	05/08/18 05:22	1
PCB-120	0.00097	J q	0.0096	0.00029	ng/g	☼	04/27/18 08:13	05/08/18 05:22	1
PCB-121	ND		0.0096	0.00031	ng/g	☼	04/27/18 08:13	05/08/18 05:22	1
PCB-122	0.0015	J q	0.0096	0.00099	ng/g	☼	04/27/18 08:13	05/08/18 05:22	1
PCB-123	0.0033	J	0.0096	0.00081	ng/g	☼	04/27/18 08:13	05/08/18 05:22	1
PCB-124	0.0053	J C108	0.019	0.00091	ng/g	☼	04/27/18 08:13	05/08/18 05:22	1
PCB-125	0.073	C86	0.058	0.00038	ng/g	☼	04/27/18 08:13	05/08/18 05:22	1
PCB-126	ND		0.0096	0.00085	ng/g	☼	04/27/18 08:13	05/08/18 05:22	1
PCB-127	ND		0.0096	0.00086	ng/g	☼	04/27/18 08:13	05/08/18 05:22	1
PCB-128	0.033	C B	0.019	0.00066	ng/g	☼	04/27/18 08:13	05/08/18 05:22	1
PCB-129	0.24	C B	0.038	0.00067	ng/g	☼	04/27/18 08:13	05/08/18 05:22	1
PCB-130	0.019		0.0096	0.00089	ng/g	☼	04/27/18 08:13	05/08/18 05:22	1
PCB-131	0.0021	J q	0.0096	0.00090	ng/g	☼	04/27/18 08:13	05/08/18 05:22	1
PCB-132	0.065		0.0096	0.00087	ng/g	☼	04/27/18 08:13	05/08/18 05:22	1
PCB-133	0.0059	J	0.0096	0.00084	ng/g	☼	04/27/18 08:13	05/08/18 05:22	1
PCB-134	0.013	J C	0.019	0.00088	ng/g	☼	04/27/18 08:13	05/08/18 05:22	1
PCB-135	0.076	C	0.019	0.000080	ng/g	☼	04/27/18 08:13	05/08/18 05:22	1
PCB-136	0.026	q	0.0096	0.000058	ng/g	☼	04/27/18 08:13	05/08/18 05:22	1
PCB-137	0.0080	J	0.0096	0.00072	ng/g	☼	04/27/18 08:13	05/08/18 05:22	1
PCB-138	0.24	B C129	0.038	0.00067	ng/g	☼	04/27/18 08:13	05/08/18 05:22	1
PCB-139	0.0051	J C	0.019	0.00075	ng/g	☼	04/27/18 08:13	05/08/18 05:22	1
PCB-140	0.0051	J C139	0.019	0.00075	ng/g	☼	04/27/18 08:13	05/08/18 05:22	1
PCB-141	0.046		0.0096	0.00078	ng/g	☼	04/27/18 08:13	05/08/18 05:22	1
PCB-142	ND		0.0096	0.00085	ng/g	☼	04/27/18 08:13	05/08/18 05:22	1
PCB-143	0.013	J C134	0.019	0.00088	ng/g	☼	04/27/18 08:13	05/08/18 05:22	1
PCB-144	0.0091	J	0.0096	0.000074	ng/g	☼	04/27/18 08:13	05/08/18 05:22	1
PCB-145	ND		0.0096	0.000058	ng/g	☼	04/27/18 08:13	05/08/18 05:22	1
PCB-146	0.048		0.0096	0.00070	ng/g	☼	04/27/18 08:13	05/08/18 05:22	1
PCB-147	0.19	C B	0.019	0.00075	ng/g	☼	04/27/18 08:13	05/08/18 05:22	1

Client Sample ID: PDI-SG-B220-BL1
Date Collected: 04/18/18 12:08
Date Received: 04/20/18 13:00

Lab Sample ID: 580-76755-3
Matrix: Solid
Percent Solids: 55.1

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-148	0.00035	J q	0.0096	0.000077	ng/g	☼	04/27/18 08:13	05/08/18 05:22	1
PCB-149	0.19	B C147	0.019	0.00075	ng/g	☼	04/27/18 08:13	05/08/18 05:22	1
PCB-150	0.0013	J	0.0096	0.000052	ng/g	☼	04/27/18 08:13	05/08/18 05:22	1
PCB-151	0.076	C135	0.019	0.000080	ng/g	☼	04/27/18 08:13	05/08/18 05:22	1
PCB-152	ND		0.0096	0.000055	ng/g	☼	04/27/18 08:13	05/08/18 05:22	1
PCB-153	0.22	C	0.019	0.00058	ng/g	☼	04/27/18 08:13	05/08/18 05:22	1
PCB-154	0.0064	J	0.0096	0.000067	ng/g	☼	04/27/18 08:13	05/08/18 05:22	1
PCB-155	0.00026	J q	0.0096	0.000053	ng/g	☼	04/27/18 08:13	05/08/18 05:22	1
PCB-156	0.018	J C B q	0.019	0.00072	ng/g	☼	04/27/18 08:13	05/08/18 05:22	1
PCB-157	0.018	J C156 B q	0.019	0.00072	ng/g	☼	04/27/18 08:13	05/08/18 05:22	1
PCB-158	0.019		0.0096	0.00052	ng/g	☼	04/27/18 08:13	05/08/18 05:22	1
PCB-159	0.0033	J B q	0.0096	0.00054	ng/g	☼	04/27/18 08:13	05/08/18 05:22	1
PCB-160	0.24	B C129	0.038	0.00067	ng/g	☼	04/27/18 08:13	05/08/18 05:22	1
PCB-161	ND		0.0096	0.00055	ng/g	☼	04/27/18 08:13	05/08/18 05:22	1
PCB-162	ND		0.0096	0.00053	ng/g	☼	04/27/18 08:13	05/08/18 05:22	1
PCB-163	0.24	B C129	0.038	0.00067	ng/g	☼	04/27/18 08:13	05/08/18 05:22	1
PCB-164	0.017		0.0096	0.00057	ng/g	☼	04/27/18 08:13	05/08/18 05:22	1
PCB-165	ND		0.0096	0.00063	ng/g	☼	04/27/18 08:13	05/08/18 05:22	1
PCB-166	0.033	C128 B	0.019	0.00066	ng/g	☼	04/27/18 08:13	05/08/18 05:22	1
PCB-167	0.0067	J B q	0.0096	0.00040	ng/g	☼	04/27/18 08:13	05/08/18 05:22	1
PCB-168	0.22	C153	0.019	0.00058	ng/g	☼	04/27/18 08:13	05/08/18 05:22	1
PCB-169	ND		0.0096	0.00039	ng/g	☼	04/27/18 08:13	05/08/18 05:22	1
PCB-170	0.070		0.0096	0.00032	ng/g	☼	04/27/18 08:13	05/08/18 05:22	1
PCB-171	0.021	C	0.019	0.00031	ng/g	☼	04/27/18 08:13	05/08/18 05:22	1
PCB-172	0.011	q	0.0096	0.00031	ng/g	☼	04/27/18 08:13	05/08/18 05:22	1
PCB-173	0.021	C171	0.019	0.00031	ng/g	☼	04/27/18 08:13	05/08/18 05:22	1
PCB-174	0.071		0.0096	0.00032	ng/g	☼	04/27/18 08:13	05/08/18 05:22	1
PCB-175	0.0023	J	0.0096	0.00029	ng/g	☼	04/27/18 08:13	05/08/18 05:22	1
PCB-176	0.0079	J	0.0096	0.00020	ng/g	☼	04/27/18 08:13	05/08/18 05:22	1
PCB-177	0.044		0.0096	0.00032	ng/g	☼	04/27/18 08:13	05/08/18 05:22	1
PCB-178	0.016		0.0096	0.00030	ng/g	☼	04/27/18 08:13	05/08/18 05:22	1
PCB-179	0.035		0.0096	0.00022	ng/g	☼	04/27/18 08:13	05/08/18 05:22	1
PCB-180	0.15	C	0.019	0.00024	ng/g	☼	04/27/18 08:13	05/08/18 05:22	1
PCB-181	ND		0.0096	0.00027	ng/g	☼	04/27/18 08:13	05/08/18 05:22	1
PCB-182	0.0016	J	0.0096	0.00026	ng/g	☼	04/27/18 08:13	05/08/18 05:22	1
PCB-183	0.044	C	0.019	0.00026	ng/g	☼	04/27/18 08:13	05/08/18 05:22	1
PCB-184	ND		0.0096	0.00022	ng/g	☼	04/27/18 08:13	05/08/18 05:22	1
PCB-185	0.044	C183	0.019	0.00026	ng/g	☼	04/27/18 08:13	05/08/18 05:22	1
PCB-186	ND		0.0096	0.00021	ng/g	☼	04/27/18 08:13	05/08/18 05:22	1
PCB-187	0.086	q	0.0096	0.00027	ng/g	☼	04/27/18 08:13	05/08/18 05:22	1
PCB-188	ND		0.0096	0.00020	ng/g	☼	04/27/18 08:13	05/08/18 05:22	1
PCB-189	0.0023	J q	0.0096	0.00029	ng/g	☼	04/27/18 08:13	05/08/18 05:22	1
PCB-190	0.012	q	0.0096	0.00020	ng/g	☼	04/27/18 08:13	05/08/18 05:22	1
PCB-191	0.0015	J q	0.0096	0.00021	ng/g	☼	04/27/18 08:13	05/08/18 05:22	1
PCB-192	ND		0.0096	0.00022	ng/g	☼	04/27/18 08:13	05/08/18 05:22	1
PCB-193	0.15	C180	0.019	0.00024	ng/g	☼	04/27/18 08:13	05/08/18 05:22	1
PCB-194	0.037	B	0.0096	0.00061	ng/g	☼	04/27/18 08:13	05/08/18 05:22	1
PCB-195	0.016		0.0096	0.00069	ng/g	☼	04/27/18 08:13	05/08/18 05:22	1
PCB-196	0.019		0.0096	0.00012	ng/g	☼	04/27/18 08:13	05/08/18 05:22	1

Client Sample ID: PDI-SG-B220-BL1
Date Collected: 04/18/18 12:08
Date Received: 04/20/18 13:00

Lab Sample ID: 580-76755-3
Matrix: Solid
Percent Solids: 55.1

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-197	0.0011	J q	0.0096	0.000081	ng/g	☼	04/27/18 08:13	05/08/18 05:22	1
PCB-198	0.041	C	0.019	0.00012	ng/g	☼	04/27/18 08:13	05/08/18 05:22	1
PCB-199	0.041	C198	0.019	0.00012	ng/g	☼	04/27/18 08:13	05/08/18 05:22	1
PCB-200	0.0037	J q	0.0096	0.000089	ng/g	☼	04/27/18 08:13	05/08/18 05:22	1
PCB-201	0.0050	J	0.0096	0.000086	ng/g	☼	04/27/18 08:13	05/08/18 05:22	1
PCB-202	0.0094	J	0.0096	0.000097	ng/g	☼	04/27/18 08:13	05/08/18 05:22	1
PCB-203	0.025	q	0.0096	0.00011	ng/g	☼	04/27/18 08:13	05/08/18 05:22	1
PCB-204	ND		0.0096	0.000089	ng/g	☼	04/27/18 08:13	05/08/18 05:22	1
PCB-205	0.0018	J q	0.0096	0.00046	ng/g	☼	04/27/18 08:13	05/08/18 05:22	1
PCB-206	0.024	q	0.0096	0.0011	ng/g	☼	04/27/18 08:13	05/08/18 05:22	1
PCB-207	0.0029	J	0.0096	0.00068	ng/g	☼	04/27/18 08:13	05/08/18 05:22	1
PCB-208	0.0076	J	0.0096	0.00070	ng/g	☼	04/27/18 08:13	05/08/18 05:22	1
PCB-209	0.022	B q	0.0096	0.000071	ng/g	☼	04/27/18 08:13	05/08/18 05:22	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
PCB-1L	*86*		*30 - 140*	*04/27/18 08:13*	*05/08/18 05:22*	*1*
PCB-3L	*82*		*30 - 140*	*04/27/18 08:13*	*05/08/18 05:22*	*1*
PCB-4L	*84*		*30 - 140*	*04/27/18 08:13*	*05/08/18 05:22*	*1*
PCB-15L	*86*		*30 - 140*	*04/27/18 08:13*	*05/08/18 05:22*	*1*
PCB-19L	*80*		*30 - 140*	*04/27/18 08:13*	*05/08/18 05:22*	*1*
PCB-37L	*88*		*30 - 140*	*04/27/18 08:13*	*05/08/18 05:22*	*1*
PCB-54L	*95*		*30 - 140*	*04/27/18 08:13*	*05/08/18 05:22*	*1*
PCB-77L	*91*		*30 - 140*	*04/27/18 08:13*	*05/08/18 05:22*	*1*
PCB-81L	*90*		*30 - 140*	*04/27/18 08:13*	*05/08/18 05:22*	*1*
PCB-104L	*91*		*30 - 140*	*04/27/18 08:13*	*05/08/18 05:22*	*1*
PCB-105L	*86*		*30 - 140*	*04/27/18 08:13*	*05/08/18 05:22*	*1*
PCB-114L	*84*		*30 - 140*	*04/27/18 08:13*	*05/08/18 05:22*	*1*
PCB-118L	*86*		*30 - 140*	*04/27/18 08:13*	*05/08/18 05:22*	*1*
PCB-123L	*85*		*30 - 140*	*04/27/18 08:13*	*05/08/18 05:22*	*1*
PCB-126L	*88*		*30 - 140*	*04/27/18 08:13*	*05/08/18 05:22*	*1*
PCB-155L	*101*		*30 - 140*	*04/27/18 08:13*	*05/08/18 05:22*	*1*
PCB-156L	*87*	*C*	*30 - 140*	*04/27/18 08:13*	*05/08/18 05:22*	*1*
PCB-157L	*87*	*C156*	*30 - 140*	*04/27/18 08:13*	*05/08/18 05:22*	*1*
PCB-167L	*86*		*30 - 140*	*04/27/18 08:13*	*05/08/18 05:22*	*1*
PCB-169L	*92*		*30 - 140*	*04/27/18 08:13*	*05/08/18 05:22*	*1*
PCB-170L	*89*		*30 - 140*	*04/27/18 08:13*	*05/08/18 05:22*	*1*
PCB-188L	*91*		*30 - 140*	*04/27/18 08:13*	*05/08/18 05:22*	*1*
PCB-189L	*104*		*30 - 140*	*04/27/18 08:13*	*05/08/18 05:22*	*1*
PCB-202L	*97*		*30 - 140*	*04/27/18 08:13*	*05/08/18 05:22*	*1*
PCB-205L	*82*		*30 - 140*	*04/27/18 08:13*	*05/08/18 05:22*	*1*
PCB-206L	*68*		*30 - 140*	*04/27/18 08:13*	*05/08/18 05:22*	*1*
PCB-208L	*73*		*30 - 140*	*04/27/18 08:13*	*05/08/18 05:22*	*1*
PCB-209L	*64*		*30 - 140*	*04/27/18 08:13*	*05/08/18 05:22*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
PCB-28L	*80*		*40 - 125*	*04/27/18 08:13*	*05/08/18 05:22*	*1*
PCB-111L	*91*		*40 - 125*	*04/27/18 08:13*	*05/08/18 05:22*	*1*
PCB-178L	*91*		*40 - 125*	*04/27/18 08:13*	*05/08/18 05:22*	*1*

Client Sample ID: PDI-SG-B228-BL1
Date Collected: 04/18/18 13:37
Date Received: 04/20/18 13:00

Lab Sample ID: 580-76755-4
Matrix: Solid
Percent Solids: 48.6

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1	0.0066	J q	0.010	0.00021	ng/g	☼	04/27/18 08:13	05/08/18 06:25	1
PCB-2	0.0065	J q B	0.010	0.00022	ng/g	☼	04/27/18 08:13	05/08/18 06:25	1
PCB-3	0.0086	J B	0.010	0.00024	ng/g	☼	04/27/18 08:13	05/08/18 06:25	1
PCB-4	0.020	q	0.020	0.00088	ng/g	☼	04/27/18 08:13	05/08/18 06:25	1
PCB-5	ND		0.010	0.00061	ng/g	☼	04/27/18 08:13	05/08/18 06:25	1
PCB-6	0.012		0.010	0.00060	ng/g	☼	04/27/18 08:13	05/08/18 06:25	1
PCB-7	0.0025	J	0.010	0.00058	ng/g	☼	04/27/18 08:13	05/08/18 06:25	1
PCB-8	0.035	B	0.020	0.00059	ng/g	☼	04/27/18 08:13	05/08/18 06:25	1
PCB-9	0.0030	J q	0.010	0.00067	ng/g	☼	04/27/18 08:13	05/08/18 06:25	1
PCB-10	ND		0.010	0.00065	ng/g	☼	04/27/18 08:13	05/08/18 06:25	1
PCB-11	0.022	B	0.020	0.00055	ng/g	☼	04/27/18 08:13	05/08/18 06:25	1
PCB-12	0.0035	J q C B	0.020	0.00056	ng/g	☼	04/27/18 08:13	05/08/18 06:25	1
PCB-13	0.0035	J q C12 B	0.020	0.00056	ng/g	☼	04/27/18 08:13	05/08/18 06:25	1
PCB-14	ND		0.010	0.00051	ng/g	☼	04/27/18 08:13	05/08/18 06:25	1
PCB-15	0.015		0.010	0.00060	ng/g	☼	04/27/18 08:13	05/08/18 06:25	1
PCB-16	0.022	q	0.010	0.00058	ng/g	☼	04/27/18 08:13	05/08/18 06:25	1
PCB-17	0.038	q	0.010	0.00044	ng/g	☼	04/27/18 08:13	05/08/18 06:25	1
PCB-18	0.073	C	0.020	0.00039	ng/g	☼	04/27/18 08:13	05/08/18 06:25	1
PCB-19	0.016	q	0.010	0.00055	ng/g	☼	04/27/18 08:13	05/08/18 06:25	1
PCB-20	0.16	C B	0.020	0.0017	ng/g	☼	04/27/18 08:13	05/08/18 06:25	1
PCB-21	0.074	C B	0.020	0.0015	ng/g	☼	04/27/18 08:13	05/08/18 06:25	1
PCB-22	0.037	B	0.010	0.0017	ng/g	☼	04/27/18 08:13	05/08/18 06:25	1
PCB-23	ND		0.010	0.0017	ng/g	☼	04/27/18 08:13	05/08/18 06:25	1
PCB-24	0.00057	J q	0.010	0.00034	ng/g	☼	04/27/18 08:13	05/08/18 06:25	1
PCB-25	0.034	B	0.010	0.0016	ng/g	☼	04/27/18 08:13	05/08/18 06:25	1
PCB-26	0.040	C B	0.020	0.0017	ng/g	☼	04/27/18 08:13	05/08/18 06:25	1
PCB-27	0.0072	J	0.010	0.00033	ng/g	☼	04/27/18 08:13	05/08/18 06:25	1
PCB-28	0.16	C20 B	0.020	0.0017	ng/g	☼	04/27/18 08:13	05/08/18 06:25	1
PCB-29	0.040	C26 B	0.020	0.0017	ng/g	☼	04/27/18 08:13	05/08/18 06:25	1
PCB-30	0.073	C18	0.020	0.00039	ng/g	☼	04/27/18 08:13	05/08/18 06:25	1
PCB-31	0.11	B	0.020	0.0015	ng/g	☼	04/27/18 08:13	05/08/18 06:25	1
PCB-32	0.045		0.010	0.00030	ng/g	☼	04/27/18 08:13	05/08/18 06:25	1
PCB-33	0.074	C21 B	0.020	0.0015	ng/g	☼	04/27/18 08:13	05/08/18 06:25	1
PCB-34	0.0024	J q	0.010	0.0017	ng/g	☼	04/27/18 08:13	05/08/18 06:25	1
PCB-35	0.0025	J	0.010	0.0016	ng/g	☼	04/27/18 08:13	05/08/18 06:25	1
PCB-36	ND		0.010	0.0015	ng/g	☼	04/27/18 08:13	05/08/18 06:25	1
PCB-37	0.025	q	0.010	0.0015	ng/g	☼	04/27/18 08:13	05/08/18 06:25	1
PCB-38	ND		0.010	0.0016	ng/g	☼	04/27/18 08:13	05/08/18 06:25	1
PCB-39	ND		0.010	0.0015	ng/g	☼	04/27/18 08:13	05/08/18 06:25	1
PCB-40	0.17	C	0.030	0.0034	ng/g	☼	04/27/18 08:13	05/08/18 06:25	1
PCB-41	0.17	C40	0.030	0.0034	ng/g	☼	04/27/18 08:13	05/08/18 06:25	1
PCB-42	0.065		0.010	0.0035	ng/g	☼	04/27/18 08:13	05/08/18 06:25	1
PCB-43	0.027	q C	0.020	0.0031	ng/g	☼	04/27/18 08:13	05/08/18 06:25	1
PCB-44	0.50	C B	0.030	0.0031	ng/g	☼	04/27/18 08:13	05/08/18 06:25	1
PCB-45	0.22	C	0.020	0.0036	ng/g	☼	04/27/18 08:13	05/08/18 06:25	1
PCB-46	0.023	q	0.010	0.0042	ng/g	☼	04/27/18 08:13	05/08/18 06:25	1
PCB-47	0.50	C44 B	0.030	0.0031	ng/g	☼	04/27/18 08:13	05/08/18 06:25	1
PCB-48	0.032		0.010	0.0033	ng/g	☼	04/27/18 08:13	05/08/18 06:25	1
PCB-49	0.41	C	0.020	0.0028	ng/g	☼	04/27/18 08:13	05/08/18 06:25	1

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Lab Sample ID: 580-76755-4
Matrix: Solid
Percent Solids: 48.6

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-50	0.19	C	0.020	0.0035	ng/g	☼	04/27/18 08:13	05/08/18 06:25	1
PCB-51	0.22	C45	0.020	0.0036	ng/g	☼	04/27/18 08:13	05/08/18 06:25	1
PCB-52	0.78		0.010	0.0036	ng/g	☼	04/27/18 08:13	05/08/18 06:25	1
PCB-53	0.19	C50	0.020	0.0035	ng/g	☼	04/27/18 08:13	05/08/18 06:25	1
PCB-54	0.023		0.010	0.00011	ng/g	☼	04/27/18 08:13	05/08/18 06:25	1
PCB-55	ND		0.010	0.0023	ng/g	☼	04/27/18 08:13	05/08/18 06:25	1
PCB-56	0.088		0.010	0.0024	ng/g	☼	04/27/18 08:13	05/08/18 06:25	1
PCB-57	ND		0.010	0.0024	ng/g	☼	04/27/18 08:13	05/08/18 06:25	1
PCB-58	ND		0.010	0.0023	ng/g	☼	04/27/18 08:13	05/08/18 06:25	1
PCB-59	0.029	J C	0.030	0.0023	ng/g	☼	04/27/18 08:13	05/08/18 06:25	1
PCB-60	0.020	q	0.010	0.0023	ng/g	☼	04/27/18 08:13	05/08/18 06:25	1
PCB-61	0.45	C B	0.041	0.0023	ng/g	☼	04/27/18 08:13	05/08/18 06:25	1
PCB-62	0.029	J C59	0.030	0.0023	ng/g	☼	04/27/18 08:13	05/08/18 06:25	1
PCB-63	0.012		0.010	0.0021	ng/g	☼	04/27/18 08:13	05/08/18 06:25	1
PCB-64	0.083		0.010	0.0022	ng/g	☼	04/27/18 08:13	05/08/18 06:25	1
PCB-65	0.50	C44 B	0.030	0.0031	ng/g	☼	04/27/18 08:13	05/08/18 06:25	1
PCB-66	0.22		0.010	0.0023	ng/g	☼	04/27/18 08:13	05/08/18 06:25	1
PCB-67	ND		0.010	0.0022	ng/g	☼	04/27/18 08:13	05/08/18 06:25	1
PCB-68	0.017		0.010	0.0021	ng/g	☼	04/27/18 08:13	05/08/18 06:25	1
PCB-69	0.41	C49	0.020	0.0028	ng/g	☼	04/27/18 08:13	05/08/18 06:25	1
PCB-70	0.45	C61 B	0.041	0.0023	ng/g	☼	04/27/18 08:13	05/08/18 06:25	1
PCB-71	0.17	C40	0.030	0.0034	ng/g	☼	04/27/18 08:13	05/08/18 06:25	1
PCB-72	0.014	q	0.010	0.0024	ng/g	☼	04/27/18 08:13	05/08/18 06:25	1
PCB-73	0.027	q C43	0.020	0.0031	ng/g	☼	04/27/18 08:13	05/08/18 06:25	1
PCB-74	0.45	C61 B	0.041	0.0023	ng/g	☼	04/27/18 08:13	05/08/18 06:25	1
PCB-75	0.029	J C59	0.030	0.0023	ng/g	☼	04/27/18 08:13	05/08/18 06:25	1
PCB-76	0.45	C61 B	0.041	0.0023	ng/g	☼	04/27/18 08:13	05/08/18 06:25	1
PCB-77	0.014		0.010	0.0021	ng/g	☼	04/27/18 08:13	05/08/18 06:25	1
PCB-78	ND		0.010	0.0023	ng/g	☼	04/27/18 08:13	05/08/18 06:25	1
PCB-79	0.011		0.010	0.0020	ng/g	☼	04/27/18 08:13	05/08/18 06:25	1
PCB-80	ND		0.010	0.0021	ng/g	☼	04/27/18 08:13	05/08/18 06:25	1
PCB-81	ND		0.010	0.0022	ng/g	☼	04/27/18 08:13	05/08/18 06:25	1
PCB-82	0.095		0.010	0.00095	ng/g	☼	04/27/18 08:13	05/08/18 06:25	1
PCB-83	0.61	C	0.020	0.00091	ng/g	☼	04/27/18 08:13	05/08/18 06:25	1
PCB-84	0.23		0.010	0.00099	ng/g	☼	04/27/18 08:13	05/08/18 06:25	1
PCB-85	0.14	q C	0.030	0.00068	ng/g	☼	04/27/18 08:13	05/08/18 06:25	1
PCB-86	0.57	C	0.061	0.00072	ng/g	☼	04/27/18 08:13	05/08/18 06:25	1
PCB-87	0.57	C86	0.061	0.00072	ng/g	☼	04/27/18 08:13	05/08/18 06:25	1
PCB-88	0.19	C	0.020	0.00086	ng/g	☼	04/27/18 08:13	05/08/18 06:25	1
PCB-89	ND		0.010	0.00093	ng/g	☼	04/27/18 08:13	05/08/18 06:25	1
PCB-90	1.0	C	0.030	0.00073	ng/g	☼	04/27/18 08:13	05/08/18 06:25	1
PCB-91	0.19	C88	0.020	0.00086	ng/g	☼	04/27/18 08:13	05/08/18 06:25	1
PCB-92	0.31		0.010	0.00089	ng/g	☼	04/27/18 08:13	05/08/18 06:25	1
PCB-93	0.055	C	0.020	0.00088	ng/g	☼	04/27/18 08:13	05/08/18 06:25	1
PCB-94	0.040		0.010	0.00093	ng/g	☼	04/27/18 08:13	05/08/18 06:25	1
PCB-95	0.90		0.010	0.00091	ng/g	☼	04/27/18 08:13	05/08/18 06:25	1
PCB-96	0.026		0.010	0.00070	ng/g	☼	04/27/18 08:13	05/08/18 06:25	1
PCB-97	0.57	C86	0.061	0.00072	ng/g	☼	04/27/18 08:13	05/08/18 06:25	1
PCB-98	0.078	q C	0.020	0.00087	ng/g	☼	04/27/18 08:13	05/08/18 06:25	1

Client Sample ID: PDI-SG-B228-BL1
Date Collected: 04/18/18 13:37
Date Received: 04/20/18 13:00

Lab Sample ID: 580-76755-4
Matrix: Solid
Percent Solids: 48.6

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-99	0.61	C83	0.020	0.00091	ng/g	☼	04/27/18 08:13	05/08/18 06:25	1
PCB-100	0.055	C93	0.020	0.00088	ng/g	☼	04/27/18 08:13	05/08/18 06:25	1
PCB-101	1.0	C90	0.030	0.00073	ng/g	☼	04/27/18 08:13	05/08/18 06:25	1
PCB-102	0.078	q C98	0.020	0.00087	ng/g	☼	04/27/18 08:13	05/08/18 06:25	1
PCB-103	0.037	q	0.010	0.00081	ng/g	☼	04/27/18 08:13	05/08/18 06:25	1
PCB-104	ND		0.010	0.00063	ng/g	☼	04/27/18 08:13	05/08/18 06:25	1
PCB-105	0.27		0.010	0.0026	ng/g	☼	04/27/18 08:13	05/08/18 06:25	1
PCB-106	ND		0.010	0.0027	ng/g	☼	04/27/18 08:13	05/08/18 06:25	1
PCB-107	0.066		0.010	0.0026	ng/g	☼	04/27/18 08:13	05/08/18 06:25	1
PCB-108	0.033	C	0.020	0.0028	ng/g	☼	04/27/18 08:13	05/08/18 06:25	1
PCB-109	0.57	C86	0.061	0.00072	ng/g	☼	04/27/18 08:13	05/08/18 06:25	1
PCB-110	0.98	C	0.020	0.00060	ng/g	☼	04/27/18 08:13	05/08/18 06:25	1
PCB-111	ND		0.010	0.00056	ng/g	☼	04/27/18 08:13	05/08/18 06:25	1
PCB-112	ND		0.010	0.00061	ng/g	☼	04/27/18 08:13	05/08/18 06:25	1
PCB-113	1.0	C90	0.030	0.00073	ng/g	☼	04/27/18 08:13	05/08/18 06:25	1
PCB-114	0.018		0.010	0.0026	ng/g	☼	04/27/18 08:13	05/08/18 06:25	1
PCB-115	0.98	C110	0.020	0.00060	ng/g	☼	04/27/18 08:13	05/08/18 06:25	1
PCB-116	0.14	q C85	0.030	0.00068	ng/g	☼	04/27/18 08:13	05/08/18 06:25	1
PCB-117	0.14	q C85	0.030	0.00068	ng/g	☼	04/27/18 08:13	05/08/18 06:25	1
PCB-118	0.73	B	0.010	0.0025	ng/g	☼	04/27/18 08:13	05/08/18 06:25	1
PCB-119	0.57	C86	0.061	0.00072	ng/g	☼	04/27/18 08:13	05/08/18 06:25	1
PCB-120	0.0067	J q	0.010	0.00055	ng/g	☼	04/27/18 08:13	05/08/18 06:25	1
PCB-121	ND		0.010	0.00060	ng/g	☼	04/27/18 08:13	05/08/18 06:25	1
PCB-122	ND		0.010	0.0030	ng/g	☼	04/27/18 08:13	05/08/18 06:25	1
PCB-123	0.010	q	0.010	0.0024	ng/g	☼	04/27/18 08:13	05/08/18 06:25	1
PCB-124	0.033	C108	0.020	0.0028	ng/g	☼	04/27/18 08:13	05/08/18 06:25	1
PCB-125	0.57	C86	0.061	0.00072	ng/g	☼	04/27/18 08:13	05/08/18 06:25	1
PCB-126	ND		0.010	0.0026	ng/g	☼	04/27/18 08:13	05/08/18 06:25	1
PCB-127	ND		0.010	0.0026	ng/g	☼	04/27/18 08:13	05/08/18 06:25	1
PCB-128	0.18	C B	0.020	0.0020	ng/g	☼	04/27/18 08:13	05/08/18 06:25	1
PCB-129	1.1	C B	0.041	0.0020	ng/g	☼	04/27/18 08:13	05/08/18 06:25	1
PCB-130	0.087		0.010	0.0027	ng/g	☼	04/27/18 08:13	05/08/18 06:25	1
PCB-131	0.017		0.010	0.0027	ng/g	☼	04/27/18 08:13	05/08/18 06:25	1
PCB-132	0.39		0.010	0.0026	ng/g	☼	04/27/18 08:13	05/08/18 06:25	1
PCB-133	0.032		0.010	0.0026	ng/g	☼	04/27/18 08:13	05/08/18 06:25	1
PCB-134	0.080	C	0.020	0.0027	ng/g	☼	04/27/18 08:13	05/08/18 06:25	1
PCB-135	0.47	C	0.020	0.00027	ng/g	☼	04/27/18 08:13	05/08/18 06:25	1
PCB-136	0.21		0.010	0.00020	ng/g	☼	04/27/18 08:13	05/08/18 06:25	1
PCB-137	0.060		0.010	0.0022	ng/g	☼	04/27/18 08:13	05/08/18 06:25	1
PCB-138	1.1	C129 B	0.041	0.0020	ng/g	☼	04/27/18 08:13	05/08/18 06:25	1
PCB-139	0.030	C	0.020	0.0023	ng/g	☼	04/27/18 08:13	05/08/18 06:25	1
PCB-140	0.030	C139	0.020	0.0023	ng/g	☼	04/27/18 08:13	05/08/18 06:25	1
PCB-141	0.20		0.010	0.0024	ng/g	☼	04/27/18 08:13	05/08/18 06:25	1
PCB-142	ND		0.010	0.0026	ng/g	☼	04/27/18 08:13	05/08/18 06:25	1
PCB-143	0.080	C134	0.020	0.0027	ng/g	☼	04/27/18 08:13	05/08/18 06:25	1
PCB-144	0.054		0.010	0.00026	ng/g	☼	04/27/18 08:13	05/08/18 06:25	1
PCB-145	0.0013	J q	0.010	0.00020	ng/g	☼	04/27/18 08:13	05/08/18 06:25	1
PCB-146	0.22		0.010	0.0021	ng/g	☼	04/27/18 08:13	05/08/18 06:25	1
PCB-147	1.0	C B	0.020	0.0023	ng/g	☼	04/27/18 08:13	05/08/18 06:25	1

Client Sample ID: PDI-SG-B228-BL1
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Date Received: 04/20/18 13:00

Lab Sample ID: 580-76755-4
Matrix: Solid
Percent Solids: 48.6

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-148	0.0049	J q	0.010	0.00026	ng/g	☼	04/27/18 08:13	05/08/18 06:25	1
PCB-149	1.0	C147 B	0.020	0.0023	ng/g	☼	04/27/18 08:13	05/08/18 06:25	1
PCB-150	0.0072	J q	0.010	0.00018	ng/g	☼	04/27/18 08:13	05/08/18 06:25	1
PCB-151	0.47	C135	0.020	0.00027	ng/g	☼	04/27/18 08:13	05/08/18 06:25	1
PCB-152	0.0025	J q	0.010	0.00019	ng/g	☼	04/27/18 08:13	05/08/18 06:25	1
PCB-153	0.87	C	0.020	0.0018	ng/g	☼	04/27/18 08:13	05/08/18 06:25	1
PCB-154	0.045		0.010	0.00023	ng/g	☼	04/27/18 08:13	05/08/18 06:25	1
PCB-155	ND		0.010	0.00018	ng/g	☼	04/27/18 08:13	05/08/18 06:25	1
PCB-156	0.13	C B	0.020	0.0022	ng/g	☼	04/27/18 08:13	05/08/18 06:25	1
PCB-157	0.13	C156 B	0.020	0.0022	ng/g	☼	04/27/18 08:13	05/08/18 06:25	1
PCB-158	0.11		0.010	0.0016	ng/g	☼	04/27/18 08:13	05/08/18 06:25	1
PCB-159	0.012	B	0.010	0.0016	ng/g	☼	04/27/18 08:13	05/08/18 06:25	1
PCB-160	1.1	C129 B	0.041	0.0020	ng/g	☼	04/27/18 08:13	05/08/18 06:25	1
PCB-161	ND		0.010	0.0017	ng/g	☼	04/27/18 08:13	05/08/18 06:25	1
PCB-162	ND		0.010	0.0016	ng/g	☼	04/27/18 08:13	05/08/18 06:25	1
PCB-163	1.1	C129 B	0.041	0.0020	ng/g	☼	04/27/18 08:13	05/08/18 06:25	1
PCB-164	0.077		0.010	0.0017	ng/g	☼	04/27/18 08:13	05/08/18 06:25	1
PCB-165	ND		0.010	0.0019	ng/g	☼	04/27/18 08:13	05/08/18 06:25	1
PCB-166	0.18	C128 B	0.020	0.0020	ng/g	☼	04/27/18 08:13	05/08/18 06:25	1
PCB-167	0.016	q B	0.010	0.0012	ng/g	☼	04/27/18 08:13	05/08/18 06:25	1
PCB-168	0.87	C153	0.020	0.0018	ng/g	☼	04/27/18 08:13	05/08/18 06:25	1
PCB-169	ND		0.010	0.0013	ng/g	☼	04/27/18 08:13	05/08/18 06:25	1
PCB-170	0.19		0.010	0.00015	ng/g	☼	04/27/18 08:13	05/08/18 06:25	1
PCB-171	0.073	C	0.020	0.00015	ng/g	☼	04/27/18 08:13	05/08/18 06:25	1
PCB-172	0.030	q	0.010	0.00014	ng/g	☼	04/27/18 08:13	05/08/18 06:25	1
PCB-173	0.073	C171	0.020	0.00015	ng/g	☼	04/27/18 08:13	05/08/18 06:25	1
PCB-174	0.23		0.010	0.00015	ng/g	☼	04/27/18 08:13	05/08/18 06:25	1
PCB-175	0.0090	J q	0.010	0.00014	ng/g	☼	04/27/18 08:13	05/08/18 06:25	1
PCB-176	0.028		0.010	0.000095	ng/g	☼	04/27/18 08:13	05/08/18 06:25	1
PCB-177	0.14		0.010	0.00015	ng/g	☼	04/27/18 08:13	05/08/18 06:25	1
PCB-178	0.051		0.010	0.00014	ng/g	☼	04/27/18 08:13	05/08/18 06:25	1
PCB-179	0.11		0.010	0.00010	ng/g	☼	04/27/18 08:13	05/08/18 06:25	1
PCB-180	0.41	C	0.020	0.00011	ng/g	☼	04/27/18 08:13	05/08/18 06:25	1
PCB-181	ND		0.010	0.00013	ng/g	☼	04/27/18 08:13	05/08/18 06:25	1
PCB-182	ND		0.010	0.00012	ng/g	☼	04/27/18 08:13	05/08/18 06:25	1
PCB-183	0.14	C	0.020	0.00013	ng/g	☼	04/27/18 08:13	05/08/18 06:25	1
PCB-184	ND		0.010	0.00011	ng/g	☼	04/27/18 08:13	05/08/18 06:25	1
PCB-185	0.14	C183	0.020	0.00013	ng/g	☼	04/27/18 08:13	05/08/18 06:25	1
PCB-186	ND		0.010	0.00010	ng/g	☼	04/27/18 08:13	05/08/18 06:25	1
PCB-187	0.29		0.010	0.00013	ng/g	☼	04/27/18 08:13	05/08/18 06:25	1
PCB-188	ND		0.010	0.000095	ng/g	☼	04/27/18 08:13	05/08/18 06:25	1
PCB-189	0.0062	J q	0.010	0.00078	ng/g	☼	04/27/18 08:13	05/08/18 06:25	1
PCB-190	0.036		0.010	0.000096	ng/g	☼	04/27/18 08:13	05/08/18 06:25	1
PCB-191	0.0058	J q	0.010	0.000097	ng/g	☼	04/27/18 08:13	05/08/18 06:25	1
PCB-192	ND		0.010	0.00010	ng/g	☼	04/27/18 08:13	05/08/18 06:25	1
PCB-193	0.41	C180	0.020	0.00011	ng/g	☼	04/27/18 08:13	05/08/18 06:25	1
PCB-194	0.088	B	0.010	0.00090	ng/g	☼	04/27/18 08:13	05/08/18 06:25	1
PCB-195	0.034		0.010	0.0010	ng/g	☼	04/27/18 08:13	05/08/18 06:25	1
PCB-196	0.034	q	0.010	0.00027	ng/g	☼	04/27/18 08:13	05/08/18 06:25	1

Client Sample ID: PDI-SG-B228-BL1
Date Collected: 04/18/18 13:37
Date Received: 04/20/18 13:00

Lab Sample ID: 580-76755-4
Matrix: Solid
Percent Solids: 48.6

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-197	0.0034	J	0.010	0.00018	ng/g	☼	04/27/18 08:13	05/08/18 06:25	1
PCB-198	0.083	C	0.020	0.00028	ng/g	☼	04/27/18 08:13	05/08/18 06:25	1
PCB-199	0.083	C198	0.020	0.00028	ng/g	☼	04/27/18 08:13	05/08/18 06:25	1
PCB-200	0.0081	J q	0.010	0.00020	ng/g	☼	04/27/18 08:13	05/08/18 06:25	1
PCB-201	0.013		0.010	0.00020	ng/g	☼	04/27/18 08:13	05/08/18 06:25	1
PCB-202	0.017		0.010	0.00022	ng/g	☼	04/27/18 08:13	05/08/18 06:25	1
PCB-203	0.046	q	0.010	0.00025	ng/g	☼	04/27/18 08:13	05/08/18 06:25	1
PCB-204	ND		0.010	0.00020	ng/g	☼	04/27/18 08:13	05/08/18 06:25	1
PCB-205	0.0045	J	0.010	0.00068	ng/g	☼	04/27/18 08:13	05/08/18 06:25	1
PCB-206	0.050	q	0.010	0.0024	ng/g	☼	04/27/18 08:13	05/08/18 06:25	1
PCB-207	0.0059	J	0.010	0.0017	ng/g	☼	04/27/18 08:13	05/08/18 06:25	1
PCB-208	0.014	q	0.010	0.0019	ng/g	☼	04/27/18 08:13	05/08/18 06:25	1
PCB-209	0.086	B	0.010	0.00021	ng/g	☼	04/27/18 08:13	05/08/18 06:25	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
PCB-1L	*72*		*30 - 140*	*04/27/18 08:13*	*05/08/18 06:25*	*1*
PCB-3L	*73*		*30 - 140*	*04/27/18 08:13*	*05/08/18 06:25*	*1*
PCB-4L	*80*		*30 - 140*	*04/27/18 08:13*	*05/08/18 06:25*	*1*
PCB-15L	*77*		*30 - 140*	*04/27/18 08:13*	*05/08/18 06:25*	*1*
PCB-19L	*77*		*30 - 140*	*04/27/18 08:13*	*05/08/18 06:25*	*1*
PCB-37L	*79*		*30 - 140*	*04/27/18 08:13*	*05/08/18 06:25*	*1*
PCB-54L	*91*		*30 - 140*	*04/27/18 08:13*	*05/08/18 06:25*	*1*
PCB-77L	*84*		*30 - 140*	*04/27/18 08:13*	*05/08/18 06:25*	*1*
PCB-81L	*82*		*30 - 140*	*04/27/18 08:13*	*05/08/18 06:25*	*1*
PCB-104L	*88*		*30 - 140*	*04/27/18 08:13*	*05/08/18 06:25*	*1*
PCB-105L	*82*		*30 - 140*	*04/27/18 08:13*	*05/08/18 06:25*	*1*
PCB-114L	*78*		*30 - 140*	*04/27/18 08:13*	*05/08/18 06:25*	*1*
PCB-118L	*82*		*30 - 140*	*04/27/18 08:13*	*05/08/18 06:25*	*1*
PCB-123L	*83*		*30 - 140*	*04/27/18 08:13*	*05/08/18 06:25*	*1*
PCB-126L	*85*		*30 - 140*	*04/27/18 08:13*	*05/08/18 06:25*	*1*
PCB-155L	*95*		*30 - 140*	*04/27/18 08:13*	*05/08/18 06:25*	*1*
PCB-156L	*89*	*C*	*30 - 140*	*04/27/18 08:13*	*05/08/18 06:25*	*1*
PCB-157L	*89*	*C156*	*30 - 140*	*04/27/18 08:13*	*05/08/18 06:25*	*1*
PCB-167L	*89*		*30 - 140*	*04/27/18 08:13*	*05/08/18 06:25*	*1*
PCB-169L	*87*		*30 - 140*	*04/27/18 08:13*	*05/08/18 06:25*	*1*
PCB-170L	*81*		*30 - 140*	*04/27/18 08:13*	*05/08/18 06:25*	*1*
PCB-188L	*84*		*30 - 140*	*04/27/18 08:13*	*05/08/18 06:25*	*1*
PCB-189L	*95*		*30 - 140*	*04/27/18 08:13*	*05/08/18 06:25*	*1*
PCB-202L	*95*		*30 - 140*	*04/27/18 08:13*	*05/08/18 06:25*	*1*
PCB-205L	*78*		*30 - 140*	*04/27/18 08:13*	*05/08/18 06:25*	*1*
PCB-206L	*69*		*30 - 140*	*04/27/18 08:13*	*05/08/18 06:25*	*1*
PCB-208L	*65*		*30 - 140*	*04/27/18 08:13*	*05/08/18 06:25*	*1*
PCB-209L	*62*		*30 - 140*	*04/27/18 08:13*	*05/08/18 06:25*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
PCB-28L	*76*		*40 - 125*	*04/27/18 08:13*	*05/08/18 06:25*	*1*
PCB-111L	*91*		*40 - 125*	*04/27/18 08:13*	*05/08/18 06:25*	*1*
PCB-178L	*83*		*40 - 125*	*04/27/18 08:13*	*05/08/18 06:25*	*1*

Client Sample ID: PDI-SG-B242-BL1
Date Collected: 04/18/18 14:27
Date Received: 04/20/18 13:00

Lab Sample ID: 580-76755-5
Matrix: Solid
Percent Solids: 45.8

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1	**0.0020**	**J q**	0.011	0.00025	ng/g	☼	04/27/18 08:13	05/08/18 07:29	1
PCB-2	**0.0055**	**J B**	0.011	0.00027	ng/g	☼	04/27/18 08:13	05/08/18 07:29	1
PCB-3	**0.0034**	**J B q**	0.011	0.00030	ng/g	☼	04/27/18 08:13	05/08/18 07:29	1
PCB-4	**0.0054**	**J q**	0.022	0.0013	ng/g	☼	04/27/18 08:13	05/08/18 07:29	1
PCB-5	ND		0.011	0.00086	ng/g	☼	04/27/18 08:13	05/08/18 07:29	1
PCB-6	**0.0034**	**J**	0.011	0.00085	ng/g	☼	04/27/18 08:13	05/08/18 07:29	1
PCB-7	ND		0.011	0.00081	ng/g	☼	04/27/18 08:13	05/08/18 07:29	1
PCB-8	**0.012**	**J B q**	0.022	0.00083	ng/g	☼	04/27/18 08:13	05/08/18 07:29	1
PCB-9	ND		0.011	0.00094	ng/g	☼	04/27/18 08:13	05/08/18 07:29	1
PCB-10	ND		0.011	0.00092	ng/g	☼	04/27/18 08:13	05/08/18 07:29	1
PCB-11	**0.090**	**B**	0.022	0.00078	ng/g	☼	04/27/18 08:13	05/08/18 07:29	1
PCB-12	ND	C	0.022	0.00078	ng/g	☼	04/27/18 08:13	05/08/18 07:29	1
PCB-13	ND	C12	0.022	0.00078	ng/g	☼	04/27/18 08:13	05/08/18 07:29	1
PCB-14	ND		0.011	0.00071	ng/g	☼	04/27/18 08:13	05/08/18 07:29	1
PCB-15	**0.011**		0.011	0.00083	ng/g	☼	04/27/18 08:13	05/08/18 07:29	1
PCB-16	**0.0061**	**J**	0.011	0.00021	ng/g	☼	04/27/18 08:13	05/08/18 07:29	1
PCB-17	**0.0098**	**J q**	0.011	0.00016	ng/g	☼	04/27/18 08:13	05/08/18 07:29	1
PCB-18	**0.010**	**J C q**	0.022	0.00014	ng/g	☼	04/27/18 08:13	05/08/18 07:29	1
PCB-19	**0.012**	**q**	0.011	0.00019	ng/g	☼	04/27/18 08:13	05/08/18 07:29	1
PCB-20	**0.043**	**C B q**	0.022	0.00061	ng/g	☼	04/27/18 08:13	05/08/18 07:29	1
PCB-21	**0.015**	**J C B q**	0.022	0.00057	ng/g	☼	04/27/18 08:13	05/08/18 07:29	1
PCB-22	**0.014**	**B**	0.011	0.00062	ng/g	☼	04/27/18 08:13	05/08/18 07:29	1
PCB-23	ND		0.011	0.00061	ng/g	☼	04/27/18 08:13	05/08/18 07:29	1
PCB-24	ND		0.011	0.00012	ng/g	☼	04/27/18 08:13	05/08/18 07:29	1
PCB-25	**0.0058**	**J B**	0.011	0.00058	ng/g	☼	04/27/18 08:13	05/08/18 07:29	1
PCB-26	**0.0088**	**J C B**	0.022	0.00061	ng/g	☼	04/27/18 08:13	05/08/18 07:29	1
PCB-27	**0.0015**	**J q**	0.011	0.00012	ng/g	☼	04/27/18 08:13	05/08/18 07:29	1
PCB-28	**0.043**	**B C20 q**	0.022	0.00061	ng/g	☼	04/27/18 08:13	05/08/18 07:29	1
PCB-29	**0.0088**	**J C26 B**	0.022	0.00061	ng/g	☼	04/27/18 08:13	05/08/18 07:29	1
PCB-30	**0.010**	**J C18 q**	0.022	0.00014	ng/g	☼	04/27/18 08:13	05/08/18 07:29	1
PCB-31	**0.033**	**B**	0.022	0.00056	ng/g	☼	04/27/18 08:13	05/08/18 07:29	1
PCB-32	**0.0071**	**J**	0.011	0.00011	ng/g	☼	04/27/18 08:13	05/08/18 07:29	1
PCB-33	**0.015**	**J B C21 q**	0.022	0.00057	ng/g	☼	04/27/18 08:13	05/08/18 07:29	1
PCB-34	ND		0.011	0.00063	ng/g	☼	04/27/18 08:13	05/08/18 07:29	1
PCB-35	**0.0014**	**J**	0.011	0.00060	ng/g	☼	04/27/18 08:13	05/08/18 07:29	1
PCB-36	ND		0.011	0.00054	ng/g	☼	04/27/18 08:13	05/08/18 07:29	1
PCB-37	**0.010**	**J q**	0.011	0.00056	ng/g	☼	04/27/18 08:13	05/08/18 07:29	1
PCB-38	ND		0.011	0.00059	ng/g	☼	04/27/18 08:13	05/08/18 07:29	1
PCB-39	ND		0.011	0.00054	ng/g	☼	04/27/18 08:13	05/08/18 07:29	1
PCB-40	**0.021**	**J C q**	0.033	0.0024	ng/g	☼	04/27/18 08:13	05/08/18 07:29	1
PCB-41	**0.021**	**J q C40**	0.033	0.0024	ng/g	☼	04/27/18 08:13	05/08/18 07:29	1
PCB-42	**0.012**	**q**	0.011	0.0024	ng/g	☼	04/27/18 08:13	05/08/18 07:29	1
PCB-43	ND	C	0.022	0.0021	ng/g	☼	04/27/18 08:13	05/08/18 07:29	1
PCB-44	**0.083**	**C B**	0.033	0.0021	ng/g	☼	04/27/18 08:13	05/08/18 07:29	1
PCB-45	**0.023**	**C**	0.022	0.0025	ng/g	☼	04/27/18 08:13	05/08/18 07:29	1
PCB-46	ND		0.011	0.0029	ng/g	☼	04/27/18 08:13	05/08/18 07:29	1
PCB-47	**0.083**	**B C44**	0.033	0.0021	ng/g	☼	04/27/18 08:13	05/08/18 07:29	1
PCB-48	**0.0075**	**J q**	0.011	0.0023	ng/g	☼	04/27/18 08:13	05/08/18 07:29	1
PCB-49	**0.061**	**C**	0.022	0.0019	ng/g	☼	04/27/18 08:13	05/08/18 07:29	1

Client Sample ID: PDI-SG-B242-BL1
Date Collected: 04/18/18 14:27
Date Received: 04/20/18 13:00

Lab Sample ID: 580-76755-5
Matrix: Solid
Percent Solids: 45.8

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 q	0.022	0.0024	ng/g	☼	04/27/18 08:13	05/08/18 07:29	1
PCB-51	0.023	C45	0.022	0.0025	ng/g	☼	04/27/18 08:13	05/08/18 07:29	1
PCB-52	0.10		0.011	0.0025	ng/g	☼	04/27/18 08:13	05/08/18 07:29	1
PCB-53	0.020	J C50 q	0.022	0.0024	ng/g	☼	04/27/18 08:13	05/08/18 07:29	1
PCB-54	0.0035	J q	0.011	0.00013	ng/g	☼	04/27/18 08:13	05/08/18 07:29	1
PCB-55	ND		0.011	0.0016	ng/g	☼	04/27/18 08:13	05/08/18 07:29	1
PCB-56	0.025		0.011	0.0016	ng/g	☼	04/27/18 08:13	05/08/18 07:29	1
PCB-57	ND		0.011	0.0017	ng/g	☼	04/27/18 08:13	05/08/18 07:29	1
PCB-58	ND		0.011	0.0016	ng/g	☼	04/27/18 08:13	05/08/18 07:29	1
PCB-59	0.0055	J C	0.033	0.0016	ng/g	☼	04/27/18 08:13	05/08/18 07:29	1
PCB-60	0.0073	J q	0.011	0.0016	ng/g	☼	04/27/18 08:13	05/08/18 07:29	1
PCB-61	0.11	C B	0.043	0.0016	ng/g	☼	04/27/18 08:13	05/08/18 07:29	1
PCB-62	0.0055	J C59	0.033	0.0016	ng/g	☼	04/27/18 08:13	05/08/18 07:29	1
PCB-63	0.0020	J q	0.011	0.0014	ng/g	☼	04/27/18 08:13	05/08/18 07:29	1
PCB-64	0.022	q	0.011	0.0015	ng/g	☼	04/27/18 08:13	05/08/18 07:29	1
PCB-65	0.083	B C44	0.033	0.0021	ng/g	☼	04/27/18 08:13	05/08/18 07:29	1
PCB-66	0.064		0.011	0.0016	ng/g	☼	04/27/18 08:13	05/08/18 07:29	1
PCB-67	ND		0.011	0.0015	ng/g	☼	04/27/18 08:13	05/08/18 07:29	1
PCB-68	ND		0.011	0.0014	ng/g	☼	04/27/18 08:13	05/08/18 07:29	1
PCB-69	0.061	C49	0.022	0.0019	ng/g	☼	04/27/18 08:13	05/08/18 07:29	1
PCB-70	0.11	C61 B	0.043	0.0016	ng/g	☼	04/27/18 08:13	05/08/18 07:29	1
PCB-71	0.021	J q C40	0.033	0.0024	ng/g	☼	04/27/18 08:13	05/08/18 07:29	1
PCB-72	ND		0.011	0.0016	ng/g	☼	04/27/18 08:13	05/08/18 07:29	1
PCB-73	ND	C43	0.022	0.0021	ng/g	☼	04/27/18 08:13	05/08/18 07:29	1
PCB-74	0.11	C61 B	0.043	0.0016	ng/g	☼	04/27/18 08:13	05/08/18 07:29	1
PCB-75	0.0055	J C59	0.033	0.0016	ng/g	☼	04/27/18 08:13	05/08/18 07:29	1
PCB-76	0.11	C61 B	0.043	0.0016	ng/g	☼	04/27/18 08:13	05/08/18 07:29	1
PCB-77	0.0064	J q	0.011	0.0015	ng/g	☼	04/27/18 08:13	05/08/18 07:29	1
PCB-78	ND		0.011	0.0016	ng/g	☼	04/27/18 08:13	05/08/18 07:29	1
PCB-79	ND		0.011	0.0014	ng/g	☼	04/27/18 08:13	05/08/18 07:29	1
PCB-80	ND		0.011	0.0014	ng/g	☼	04/27/18 08:13	05/08/18 07:29	1
PCB-81	ND		0.011	0.0015	ng/g	☼	04/27/18 08:13	05/08/18 07:29	1
PCB-82	0.016	q	0.011	0.0012	ng/g	☼	04/27/18 08:13	05/08/18 07:29	1
PCB-83	0.099	C	0.022	0.0011	ng/g	☼	04/27/18 08:13	05/08/18 07:29	1
PCB-84	0.029	q	0.011	0.0012	ng/g	☼	04/27/18 08:13	05/08/18 07:29	1
PCB-85	0.025	J C	0.033	0.00083	ng/g	☼	04/27/18 08:13	05/08/18 07:29	1
PCB-86	0.078	C	0.065	0.00088	ng/g	☼	04/27/18 08:13	05/08/18 07:29	1
PCB-87	0.078	C86	0.065	0.00088	ng/g	☼	04/27/18 08:13	05/08/18 07:29	1
PCB-88	0.030	C	0.022	0.0010	ng/g	☼	04/27/18 08:13	05/08/18 07:29	1
PCB-89	ND		0.011	0.0011	ng/g	☼	04/27/18 08:13	05/08/18 07:29	1
PCB-90	0.15	C	0.033	0.00089	ng/g	☼	04/27/18 08:13	05/08/18 07:29	1
PCB-91	0.030	C88	0.022	0.0010	ng/g	☼	04/27/18 08:13	05/08/18 07:29	1
PCB-92	0.032		0.011	0.0011	ng/g	☼	04/27/18 08:13	05/08/18 07:29	1
PCB-93	0.0033	J C q	0.022	0.0011	ng/g	☼	04/27/18 08:13	05/08/18 07:29	1
PCB-94	ND		0.011	0.0011	ng/g	☼	04/27/18 08:13	05/08/18 07:29	1
PCB-95	0.12		0.011	0.0011	ng/g	☼	04/27/18 08:13	05/08/18 07:29	1
PCB-96	ND		0.011	0.00085	ng/g	☼	04/27/18 08:13	05/08/18 07:29	1
PCB-97	0.078	C86	0.065	0.00088	ng/g	☼	04/27/18 08:13	05/08/18 07:29	1
PCB-98	0.0060	J C	0.022	0.0011	ng/g	☼	04/27/18 08:13	05/08/18 07:29	1

Client Sample ID: PDI-SG-B242-BL1
Date Collected: 04/18/18 14:27
Date Received: 04/20/18 13:00

Lab Sample ID: 580-76755-5
Matrix: Solid
Percent Solids: 45.8

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-99	0.099	C83	0.022	0.0011	ng/g	☼	04/27/18 08:13	05/08/18 07:29	1
PCB-100	0.0033	J C93 q	0.022	0.0011	ng/g	☼	04/27/18 08:13	05/08/18 07:29	1
PCB-101	0.15	C90	0.033	0.00089	ng/g	☼	04/27/18 08:13	05/08/18 07:29	1
PCB-102	0.0060	J C98	0.022	0.0011	ng/g	☼	04/27/18 08:13	05/08/18 07:29	1
PCB-103	0.0038	J q	0.011	0.00098	ng/g	☼	04/27/18 08:13	05/08/18 07:29	1
PCB-104	ND		0.011	0.00076	ng/g	☼	04/27/18 08:13	05/08/18 07:29	1
PCB-105	0.046		0.011	0.0015	ng/g	☼	04/27/18 08:13	05/08/18 07:29	1
PCB-106	ND		0.011	0.0016	ng/g	☼	04/27/18 08:13	05/08/18 07:29	1
PCB-107	0.013		0.011	0.0015	ng/g	☼	04/27/18 08:13	05/08/18 07:29	1
PCB-108	0.0065	J C	0.022	0.0016	ng/g	☼	04/27/18 08:13	05/08/18 07:29	1
PCB-109	0.078	C86	0.065	0.00088	ng/g	☼	04/27/18 08:13	05/08/18 07:29	1
PCB-110	0.16	C	0.022	0.00073	ng/g	☼	04/27/18 08:13	05/08/18 07:29	1
PCB-111	ND		0.011	0.00068	ng/g	☼	04/27/18 08:13	05/08/18 07:29	1
PCB-112	ND		0.011	0.00074	ng/g	☼	04/27/18 08:13	05/08/18 07:29	1
PCB-113	0.15	C90	0.033	0.00089	ng/g	☼	04/27/18 08:13	05/08/18 07:29	1
PCB-114	0.0034	J	0.011	0.0014	ng/g	☼	04/27/18 08:13	05/08/18 07:29	1
PCB-115	0.16	C110	0.022	0.00073	ng/g	☼	04/27/18 08:13	05/08/18 07:29	1
PCB-116	0.025	J C85	0.033	0.00083	ng/g	☼	04/27/18 08:13	05/08/18 07:29	1
PCB-117	0.025	J C85	0.033	0.00083	ng/g	☼	04/27/18 08:13	05/08/18 07:29	1
PCB-118	0.12	B	0.011	0.0014	ng/g	☼	04/27/18 08:13	05/08/18 07:29	1
PCB-119	0.078	C86	0.065	0.00088	ng/g	☼	04/27/18 08:13	05/08/18 07:29	1
PCB-120	ND		0.011	0.00067	ng/g	☼	04/27/18 08:13	05/08/18 07:29	1
PCB-121	ND		0.011	0.00073	ng/g	☼	04/27/18 08:13	05/08/18 07:29	1
PCB-122	ND		0.011	0.0017	ng/g	☼	04/27/18 08:13	05/08/18 07:29	1
PCB-123	ND		0.011	0.0014	ng/g	☼	04/27/18 08:13	05/08/18 07:29	1
PCB-124	0.0065	J C108	0.022	0.0016	ng/g	☼	04/27/18 08:13	05/08/18 07:29	1
PCB-125	0.078	C86	0.065	0.00088	ng/g	☼	04/27/18 08:13	05/08/18 07:29	1
PCB-126	ND		0.011	0.0015	ng/g	☼	04/27/18 08:13	05/08/18 07:29	1
PCB-127	ND		0.011	0.0015	ng/g	☼	04/27/18 08:13	05/08/18 07:29	1
PCB-128	0.034	C B	0.022	0.00089	ng/g	☼	04/27/18 08:13	05/08/18 07:29	1
PCB-129	0.27	C B	0.043	0.00091	ng/g	☼	04/27/18 08:13	05/08/18 07:29	1
PCB-130	0.017		0.011	0.0012	ng/g	☼	04/27/18 08:13	05/08/18 07:29	1
PCB-131	0.0035	J q	0.011	0.0012	ng/g	☼	04/27/18 08:13	05/08/18 07:29	1
PCB-132	0.065		0.011	0.0012	ng/g	☼	04/27/18 08:13	05/08/18 07:29	1
PCB-133	0.0059	J	0.011	0.0011	ng/g	☼	04/27/18 08:13	05/08/18 07:29	1
PCB-134	0.011	J C q	0.022	0.0012	ng/g	☼	04/27/18 08:13	05/08/18 07:29	1
PCB-135	0.079	C	0.022	0.00012	ng/g	☼	04/27/18 08:13	05/08/18 07:29	1
PCB-136	0.032	q	0.011	0.000085	ng/g	☼	04/27/18 08:13	05/08/18 07:29	1
PCB-137	0.0076	J q	0.011	0.00099	ng/g	☼	04/27/18 08:13	05/08/18 07:29	1
PCB-138	0.27	B C129	0.043	0.00091	ng/g	☼	04/27/18 08:13	05/08/18 07:29	1
PCB-139	0.0033	J C q	0.022	0.0010	ng/g	☼	04/27/18 08:13	05/08/18 07:29	1
PCB-140	0.0033	J C139 q	0.022	0.0010	ng/g	☼	04/27/18 08:13	05/08/18 07:29	1
PCB-141	0.050		0.011	0.0011	ng/g	☼	04/27/18 08:13	05/08/18 07:29	1
PCB-142	ND		0.011	0.0012	ng/g	☼	04/27/18 08:13	05/08/18 07:29	1
PCB-143	0.011	J C134 q	0.022	0.0012	ng/g	☼	04/27/18 08:13	05/08/18 07:29	1
PCB-144	0.0082	J q	0.011	0.00011	ng/g	☼	04/27/18 08:13	05/08/18 07:29	1
PCB-145	ND		0.011	0.000085	ng/g	☼	04/27/18 08:13	05/08/18 07:29	1
PCB-146	0.041		0.011	0.00096	ng/g	☼	04/27/18 08:13	05/08/18 07:29	1
PCB-147	0.20	C B	0.022	0.0010	ng/g	☼	04/27/18 08:13	05/08/18 07:29	1

Client Sample ID: PDI-SG-B242-BL1
Date Collected: 04/18/18 14:27
Date Received: 04/20/18 13:00

Lab Sample ID: 580-76755-5
Matrix: Solid
Percent Solids: 45.8

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-148	ND		0.011	0.00011	ng/g	☼	04/27/18 08:13	05/08/18 07:29	1
PCB-149	**0.20**	**B C147**	0.022	0.0010	ng/g	☼	04/27/18 08:13	05/08/18 07:29	1
PCB-150	ND		0.011	0.000077	ng/g	☼	04/27/18 08:13	05/08/18 07:29	1
PCB-151	**0.079**	**C135**	0.022	0.00012	ng/g	☼	04/27/18 08:13	05/08/18 07:29	1
PCB-152	ND		0.011	0.000082	ng/g	☼	04/27/18 08:13	05/08/18 07:29	1
PCB-153	**0.24**	**C**	0.022	0.00080	ng/g	☼	04/27/18 08:13	05/08/18 07:29	1
PCB-154	**0.0032**	**J q**	0.011	0.000099	ng/g	☼	04/27/18 08:13	05/08/18 07:29	1
PCB-155	ND		0.011	0.000078	ng/g	☼	04/27/18 08:13	05/08/18 07:29	1
PCB-156	**0.023**	**C B q**	0.022	0.00095	ng/g	☼	04/27/18 08:13	05/08/18 07:29	1
PCB-157	**0.023**	**C156 B q**	0.022	0.00095	ng/g	☼	04/27/18 08:13	05/08/18 07:29	1
PCB-158	**0.023**		0.011	0.00071	ng/g	☼	04/27/18 08:13	05/08/18 07:29	1
PCB-159	**0.0023**	**J B q**	0.011	0.00073	ng/g	☼	04/27/18 08:13	05/08/18 07:29	1
PCB-160	**0.27**	**B C129**	0.043	0.00091	ng/g	☼	04/27/18 08:13	05/08/18 07:29	1
PCB-161	ND		0.011	0.00076	ng/g	☼	04/27/18 08:13	05/08/18 07:29	1
PCB-162	ND		0.011	0.00072	ng/g	☼	04/27/18 08:13	05/08/18 07:29	1
PCB-163	**0.27**	**B C129**	0.043	0.00091	ng/g	☼	04/27/18 08:13	05/08/18 07:29	1
PCB-164	**0.021**		0.011	0.00077	ng/g	☼	04/27/18 08:13	05/08/18 07:29	1
PCB-165	ND		0.011	0.00086	ng/g	☼	04/27/18 08:13	05/08/18 07:29	1
PCB-166	**0.034**	**C128 B**	0.022	0.00089	ng/g	☼	04/27/18 08:13	05/08/18 07:29	1
PCB-167	**0.0084**	**J B**	0.011	0.00055	ng/g	☼	04/27/18 08:13	05/08/18 07:29	1
PCB-168	**0.24**	**C153**	0.022	0.00080	ng/g	☼	04/27/18 08:13	05/08/18 07:29	1
PCB-169	ND		0.011	0.00055	ng/g	☼	04/27/18 08:13	05/08/18 07:29	1
PCB-170	**0.071**		0.011	0.00087	ng/g	☼	04/27/18 08:13	05/08/18 07:29	1
PCB-171	**0.017**	**J C q**	0.022	0.00083	ng/g	☼	04/27/18 08:13	05/08/18 07:29	1
PCB-172	**0.012**		0.011	0.00081	ng/g	☼	04/27/18 08:13	05/08/18 07:29	1
PCB-173	**0.017**	**J C171 q**	0.022	0.00083	ng/g	☼	04/27/18 08:13	05/08/18 07:29	1
PCB-174	**0.084**		0.011	0.00085	ng/g	☼	04/27/18 08:13	05/08/18 07:29	1
PCB-175	**0.0026**	**J**	0.011	0.00076	ng/g	☼	04/27/18 08:13	05/08/18 07:29	1
PCB-176	**0.0055**	**J q**	0.011	0.00053	ng/g	☼	04/27/18 08:13	05/08/18 07:29	1
PCB-177	**0.048**	**q**	0.011	0.00085	ng/g	☼	04/27/18 08:13	05/08/18 07:29	1
PCB-178	**0.020**		0.011	0.00079	ng/g	☼	04/27/18 08:13	05/08/18 07:29	1
PCB-179	**0.040**		0.011	0.00059	ng/g	☼	04/27/18 08:13	05/08/18 07:29	1
PCB-180	**0.14**	**C q**	0.022	0.00063	ng/g	☼	04/27/18 08:13	05/08/18 07:29	1
PCB-181	ND		0.011	0.00073	ng/g	☼	04/27/18 08:13	05/08/18 07:29	1
PCB-182	ND		0.011	0.00069	ng/g	☼	04/27/18 08:13	05/08/18 07:29	1
PCB-183	**0.049**	**C**	0.022	0.00070	ng/g	☼	04/27/18 08:13	05/08/18 07:29	1
PCB-184	**0.0012**	**J q**	0.011	0.00059	ng/g	☼	04/27/18 08:13	05/08/18 07:29	1
PCB-185	**0.049**	**C183**	0.022	0.00070	ng/g	☼	04/27/18 08:13	05/08/18 07:29	1
PCB-186	ND		0.011	0.00057	ng/g	☼	04/27/18 08:13	05/08/18 07:29	1
PCB-187	**0.098**		0.011	0.00072	ng/g	☼	04/27/18 08:13	05/08/18 07:29	1
PCB-188	ND		0.011	0.00052	ng/g	☼	04/27/18 08:13	05/08/18 07:29	1
PCB-189	**0.0018**	**J q**	0.011	0.00048	ng/g	☼	04/27/18 08:13	05/08/18 07:29	1
PCB-190	**0.012**	**q**	0.011	0.00054	ng/g	☼	04/27/18 08:13	05/08/18 07:29	1
PCB-191	ND		0.011	0.00055	ng/g	☼	04/27/18 08:13	05/08/18 07:29	1
PCB-192	ND		0.011	0.00058	ng/g	☼	04/27/18 08:13	05/08/18 07:29	1
PCB-193	**0.14**	**C180 q**	0.022	0.00063	ng/g	☼	04/27/18 08:13	05/08/18 07:29	1
PCB-194	**0.034**	**B**	0.011	0.00099	ng/g	☼	04/27/18 08:13	05/08/18 07:29	1
PCB-195	**0.014**		0.011	0.0011	ng/g	☼	04/27/18 08:13	05/08/18 07:29	1
PCB-196	**0.017**		0.011	0.00020	ng/g	☼	04/27/18 08:13	05/08/18 07:29	1

Client Sample ID: PDI-SG-B242-BL1
Date Collected: 04/18/18 14:27
Date Received: 04/20/18 13:00

Lab Sample ID: 580-76755-5
Matrix: Solid
Percent Solids: 45.8

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	☼	04/27/18 08:13	05/08/18 07:29	1
PCB-198	**0.051**	**C**	0.022	0.00021	ng/g	☼	04/27/18 08:13	05/08/18 07:29	1
PCB-199	**0.051**	**C198**	0.022	0.00021	ng/g	☼	04/27/18 08:13	05/08/18 07:29	1
PCB-200	**0.0028**	**J q**	0.011	0.00015	ng/g	☼	04/27/18 08:13	05/08/18 07:29	1
PCB-201	**0.0023**	**J q**	0.011	0.00014	ng/g	☼	04/27/18 08:13	05/08/18 07:29	1
PCB-202	**0.0093**	**J**	0.011	0.00016	ng/g	☼	04/27/18 08:13	05/08/18 07:29	1
PCB-203	**0.025**	**q**	0.011	0.00018	ng/g	☼	04/27/18 08:13	05/08/18 07:29	1
PCB-204	ND		0.011	0.00015	ng/g	☼	04/27/18 08:13	05/08/18 07:29	1
PCB-205	**0.0015**	**J q**	0.011	0.00074	ng/g	☼	04/27/18 08:13	05/08/18 07:29	1
PCB-206	**0.046**		0.011	0.0027	ng/g	☼	04/27/18 08:13	05/08/18 07:29	1
PCB-207	ND		0.011	0.0017	ng/g	☼	04/27/18 08:13	05/08/18 07:29	1
PCB-208	**0.0090**	**J**	0.011	0.0017	ng/g	☼	04/27/18 08:13	05/08/18 07:29	1
PCB-209	**0.025**	**B**	0.011	0.00012	ng/g	☼	04/27/18 08:13	05/08/18 07:29	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
PCB-1L	*78*		*30 - 140*	*04/27/18 08:13*	*05/08/18 07:29*	*1*
PCB-3L	*78*		*30 - 140*	*04/27/18 08:13*	*05/08/18 07:29*	*1*
PCB-4L	*77*		*30 - 140*	*04/27/18 08:13*	*05/08/18 07:29*	*1*
PCB-15L	*83*		*30 - 140*	*04/27/18 08:13*	*05/08/18 07:29*	*1*
PCB-19L	*80*		*30 - 140*	*04/27/18 08:13*	*05/08/18 07:29*	*1*
PCB-37L	*85*		*30 - 140*	*04/27/18 08:13*	*05/08/18 07:29*	*1*
PCB-54L	*87*	*q*	*30 - 140*	*04/27/18 08:13*	*05/08/18 07:29*	*1*
PCB-77L	*82*		*30 - 140*	*04/27/18 08:13*	*05/08/18 07:29*	*1*
PCB-81L	*83*		*30 - 140*	*04/27/18 08:13*	*05/08/18 07:29*	*1*
PCB-104L	*88*		*30 - 140*	*04/27/18 08:13*	*05/08/18 07:29*	*1*
PCB-105L	*85*		*30 - 140*	*04/27/18 08:13*	*05/08/18 07:29*	*1*
PCB-114L	*83*		*30 - 140*	*04/27/18 08:13*	*05/08/18 07:29*	*1*
PCB-118L	*85*		*30 - 140*	*04/27/18 08:13*	*05/08/18 07:29*	*1*
PCB-123L	*84*		*30 - 140*	*04/27/18 08:13*	*05/08/18 07:29*	*1*
PCB-126L	*86*		*30 - 140*	*04/27/18 08:13*	*05/08/18 07:29*	*1*
PCB-155L	*102*		*30 - 140*	*04/27/18 08:13*	*05/08/18 07:29*	*1*
PCB-156L	*84*	*C*	*30 - 140*	*04/27/18 08:13*	*05/08/18 07:29*	*1*
PCB-157L	*84*	*C156*	*30 - 140*	*04/27/18 08:13*	*05/08/18 07:29*	*1*
PCB-167L	*83*		*30 - 140*	*04/27/18 08:13*	*05/08/18 07:29*	*1*
PCB-169L	*85*		*30 - 140*	*04/27/18 08:13*	*05/08/18 07:29*	*1*
PCB-170L	*83*		*30 - 140*	*04/27/18 08:13*	*05/08/18 07:29*	*1*
PCB-188L	*85*		*30 - 140*	*04/27/18 08:13*	*05/08/18 07:29*	*1*
PCB-189L	*98*		*30 - 140*	*04/27/18 08:13*	*05/08/18 07:29*	*1*
PCB-202L	*95*		*30 - 140*	*04/27/18 08:13*	*05/08/18 07:29*	*1*
PCB-205L	*79*		*30 - 140*	*04/27/18 08:13*	*05/08/18 07:29*	*1*
PCB-206L	*67*		*30 - 140*	*04/27/18 08:13*	*05/08/18 07:29*	*1*
PCB-208L	*72*		*30 - 140*	*04/27/18 08:13*	*05/08/18 07:29*	*1*
PCB-209L	*62*		*30 - 140*	*04/27/18 08:13*	*05/08/18 07:29*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
PCB-28L	*78*		*40 - 125*	*04/27/18 08:13*	*05/08/18 07:29*	*1*
PCB-111L	*87*		*40 - 125*	*04/27/18 08:13*	*05/08/18 07:29*	*1*
PCB-178L	*84*		*40 - 125*	*04/27/18 08:13*	*05/08/18 07:29*	*1*

Client Sample ID: PDI-SG-B250-BL1
Date Collected: 04/18/18 15:20
Date Received: 04/20/18 13:00

Lab Sample ID: 580-76755-6
Matrix: Solid
Percent Solids: 44.2

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1	0.0019	J q	0.011	0.00028	ng/g	☼	04/27/18 08:13	05/08/18 15:47	1
PCB-2	0.0060	J B	0.011	0.00030	ng/g	☼	04/27/18 08:13	05/08/18 15:47	1
PCB-3	0.0029	J B	0.011	0.00034	ng/g	☼	04/27/18 08:13	05/08/18 15:47	1
PCB-4	0.0097	J q	0.022	0.00076	ng/g	☼	04/27/18 08:13	05/08/18 15:47	1
PCB-5	ND		0.011	0.00058	ng/g	☼	04/27/18 08:13	05/08/18 15:47	1
PCB-6	0.0031	J q	0.011	0.00057	ng/g	☼	04/27/18 08:13	05/08/18 15:47	1
PCB-7	ND		0.011	0.00054	ng/g	☼	04/27/18 08:13	05/08/18 15:47	1
PCB-8	0.011	J q B	0.022	0.00056	ng/g	☼	04/27/18 08:13	05/08/18 15:47	1
PCB-9	ND		0.011	0.00063	ng/g	☼	04/27/18 08:13	05/08/18 15:47	1
PCB-10	ND		0.011	0.00062	ng/g	☼	04/27/18 08:13	05/08/18 15:47	1
PCB-11	0.035	B	0.022	0.00052	ng/g	☼	04/27/18 08:13	05/08/18 15:47	1
PCB-12	0.0011	J q C B	0.022	0.00052	ng/g	☼	04/27/18 08:13	05/08/18 15:47	1
PCB-13	0.0011	J q C12 B	0.022	0.00052	ng/g	☼	04/27/18 08:13	05/08/18 15:47	1
PCB-14	ND		0.011	0.00048	ng/g	☼	04/27/18 08:13	05/08/18 15:47	1
PCB-15	0.010	J	0.011	0.00061	ng/g	☼	04/27/18 08:13	05/08/18 15:47	1
PCB-16	0.0080	J	0.011	0.00041	ng/g	☼	04/27/18 08:13	05/08/18 15:47	1
PCB-17	0.011	q	0.011	0.00031	ng/g	☼	04/27/18 08:13	05/08/18 15:47	1
PCB-18	0.015	J q C	0.022	0.00028	ng/g	☼	04/27/18 08:13	05/08/18 15:47	1
PCB-19	0.014	q	0.011	0.00039	ng/g	☼	04/27/18 08:13	05/08/18 15:47	1
PCB-20	0.058	C B	0.022	0.0012	ng/g	☼	04/27/18 08:13	05/08/18 15:47	1
PCB-21	0.026	C B	0.022	0.0012	ng/g	☼	04/27/18 08:13	05/08/18 15:47	1
PCB-22	0.019	B	0.011	0.0013	ng/g	☼	04/27/18 08:13	05/08/18 15:47	1
PCB-23	ND		0.011	0.0012	ng/g	☼	04/27/18 08:13	05/08/18 15:47	1
PCB-24	ND		0.011	0.00024	ng/g	☼	04/27/18 08:13	05/08/18 15:47	1
PCB-25	0.0064	J q B	0.011	0.0012	ng/g	☼	04/27/18 08:13	05/08/18 15:47	1
PCB-26	0.011	J C B	0.022	0.0012	ng/g	☼	04/27/18 08:13	05/08/18 15:47	1
PCB-27	0.0035	J q	0.011	0.00023	ng/g	☼	04/27/18 08:13	05/08/18 15:47	1
PCB-28	0.058	C20 B	0.022	0.0012	ng/g	☼	04/27/18 08:13	05/08/18 15:47	1
PCB-29	0.011	J C26 B	0.022	0.0012	ng/g	☼	04/27/18 08:13	05/08/18 15:47	1
PCB-30	0.015	J q C18	0.022	0.00028	ng/g	☼	04/27/18 08:13	05/08/18 15:47	1
PCB-31	0.043	B	0.022	0.0011	ng/g	☼	04/27/18 08:13	05/08/18 15:47	1
PCB-32	0.0088	J q	0.011	0.00022	ng/g	☼	04/27/18 08:13	05/08/18 15:47	1
PCB-33	0.026	C21 B	0.022	0.0012	ng/g	☼	04/27/18 08:13	05/08/18 15:47	1
PCB-34	ND		0.011	0.0013	ng/g	☼	04/27/18 08:13	05/08/18 15:47	1
PCB-35	0.0014	J q	0.011	0.0012	ng/g	☼	04/27/18 08:13	05/08/18 15:47	1
PCB-36	ND		0.011	0.0011	ng/g	☼	04/27/18 08:13	05/08/18 15:47	1
PCB-37	0.016		0.011	0.0012	ng/g	☼	04/27/18 08:13	05/08/18 15:47	1
PCB-38	ND		0.011	0.0012	ng/g	☼	04/27/18 08:13	05/08/18 15:47	1
PCB-39	ND		0.011	0.0011	ng/g	☼	04/27/18 08:13	05/08/18 15:47	1
PCB-40	0.028	J C	0.033	0.0015	ng/g	☼	04/27/18 08:13	05/08/18 15:47	1
PCB-41	0.028	J C40	0.033	0.0015	ng/g	☼	04/27/18 08:13	05/08/18 15:47	1
PCB-42	0.016		0.011	0.0015	ng/g	☼	04/27/18 08:13	05/08/18 15:47	1
PCB-43	ND	C	0.022	0.0013	ng/g	☼	04/27/18 08:13	05/08/18 15:47	1
PCB-44	0.099	C B	0.033	0.0013	ng/g	☼	04/27/18 08:13	05/08/18 15:47	1
PCB-45	0.030	C	0.022	0.0015	ng/g	☼	04/27/18 08:13	05/08/18 15:47	1
PCB-46	ND		0.011	0.0018	ng/g	☼	04/27/18 08:13	05/08/18 15:47	1
PCB-47	0.099	C44 B	0.033	0.0013	ng/g	☼	04/27/18 08:13	05/08/18 15:47	1
PCB-48	0.0089	J q	0.011	0.0014	ng/g	☼	04/27/18 08:13	05/08/18 15:47	1
PCB-49	0.060	C	0.022	0.0012	ng/g	☼	04/27/18 08:13	05/08/18 15:47	1

Client Sample ID: PDI-SG-B250-BL1
Date Collected: 04/18/18 15:20
Date Received: 04/20/18 13:00

Lab Sample ID: 580-76755-6
Matrix: Solid
Percent Solids: 44.2

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-50	0.023	C	0.022	0.0015	ng/g	☼	04/27/18 08:13	05/08/18 15:47	1
PCB-51	0.030	C45	0.022	0.0015	ng/g	☼	04/27/18 08:13	05/08/18 15:47	1
PCB-52	0.11		0.011	0.0015	ng/g	☼	04/27/18 08:13	05/08/18 15:47	1
PCB-53	0.023	C50	0.022	0.0015	ng/g	☼	04/27/18 08:13	05/08/18 15:47	1
PCB-54	0.0037	J q	0.011	0.00025	ng/g	☼	04/27/18 08:13	05/08/18 15:47	1
PCB-55	0.0023	J	0.011	0.00099	ng/g	☼	04/27/18 08:13	05/08/18 15:47	1
PCB-56	0.031		0.011	0.0010	ng/g	☼	04/27/18 08:13	05/08/18 15:47	1
PCB-57	ND		0.011	0.0010	ng/g	☼	04/27/18 08:13	05/08/18 15:47	1
PCB-58	ND		0.011	0.00097	ng/g	☼	04/27/18 08:13	05/08/18 15:47	1
PCB-59	0.0065	J C	0.033	0.00098	ng/g	☼	04/27/18 08:13	05/08/18 15:47	1
PCB-60	0.0099	J q	0.011	0.00099	ng/g	☼	04/27/18 08:13	05/08/18 15:47	1
PCB-61	0.12	C B	0.044	0.00096	ng/g	☼	04/27/18 08:13	05/08/18 15:47	1
PCB-62	0.0065	J C59	0.033	0.00098	ng/g	☼	04/27/18 08:13	05/08/18 15:47	1
PCB-63	0.0017	J q	0.011	0.00088	ng/g	☼	04/27/18 08:13	05/08/18 15:47	1
PCB-64	0.023	q	0.011	0.00092	ng/g	☼	04/27/18 08:13	05/08/18 15:47	1
PCB-65	0.099	C44 B	0.033	0.0013	ng/g	☼	04/27/18 08:13	05/08/18 15:47	1
PCB-66	0.076		0.011	0.00096	ng/g	☼	04/27/18 08:13	05/08/18 15:47	1
PCB-67	ND		0.011	0.00093	ng/g	☼	04/27/18 08:13	05/08/18 15:47	1
PCB-68	ND		0.011	0.00088	ng/g	☼	04/27/18 08:13	05/08/18 15:47	1
PCB-69	0.060	C49	0.022	0.0012	ng/g	☼	04/27/18 08:13	05/08/18 15:47	1
PCB-70	0.12	C61 B	0.044	0.00096	ng/g	☼	04/27/18 08:13	05/08/18 15:47	1
PCB-71	0.028	J C40	0.033	0.0015	ng/g	☼	04/27/18 08:13	05/08/18 15:47	1
PCB-72	0.0015	J	0.011	0.00099	ng/g	☼	04/27/18 08:13	05/08/18 15:47	1
PCB-73	ND	C43	0.022	0.0013	ng/g	☼	04/27/18 08:13	05/08/18 15:47	1
PCB-74	0.12	C61 B	0.044	0.00096	ng/g	☼	04/27/18 08:13	05/08/18 15:47	1
PCB-75	0.0065	J C59	0.033	0.00098	ng/g	☼	04/27/18 08:13	05/08/18 15:47	1
PCB-76	0.12	C61 B	0.044	0.00096	ng/g	☼	04/27/18 08:13	05/08/18 15:47	1
PCB-77	0.0079	J	0.011	0.00093	ng/g	☼	04/27/18 08:13	05/08/18 15:47	1
PCB-78	ND		0.011	0.00097	ng/g	☼	04/27/18 08:13	05/08/18 15:47	1
PCB-79	0.0023	J	0.011	0.00083	ng/g	☼	04/27/18 08:13	05/08/18 15:47	1
PCB-80	ND		0.011	0.00086	ng/g	☼	04/27/18 08:13	05/08/18 15:47	1
PCB-81	ND		0.011	0.00091	ng/g	☼	04/27/18 08:13	05/08/18 15:47	1
PCB-82	0.019	q	0.011	0.0012	ng/g	☼	04/27/18 08:13	05/08/18 15:47	1
PCB-83	0.10	C	0.022	0.0012	ng/g	☼	04/27/18 08:13	05/08/18 15:47	1
PCB-84	0.029		0.011	0.0013	ng/g	☼	04/27/18 08:13	05/08/18 15:47	1
PCB-85	0.026	J q C	0.033	0.00089	ng/g	☼	04/27/18 08:13	05/08/18 15:47	1
PCB-86	0.10	C	0.066	0.00094	ng/g	☼	04/27/18 08:13	05/08/18 15:47	1
PCB-87	0.10	C86	0.066	0.00094	ng/g	☼	04/27/18 08:13	05/08/18 15:47	1
PCB-88	0.028	C	0.022	0.0011	ng/g	☼	04/27/18 08:13	05/08/18 15:47	1
PCB-89	ND		0.011	0.0012	ng/g	☼	04/27/18 08:13	05/08/18 15:47	1
PCB-90	0.16	q C	0.033	0.00096	ng/g	☼	04/27/18 08:13	05/08/18 15:47	1
PCB-91	0.028	C88	0.022	0.0011	ng/g	☼	04/27/18 08:13	05/08/18 15:47	1
PCB-92	0.036		0.011	0.0012	ng/g	☼	04/27/18 08:13	05/08/18 15:47	1
PCB-93	0.0074	J q C	0.022	0.0011	ng/g	☼	04/27/18 08:13	05/08/18 15:47	1
PCB-94	ND		0.011	0.0012	ng/g	☼	04/27/18 08:13	05/08/18 15:47	1
PCB-95	0.13		0.011	0.0012	ng/g	☼	04/27/18 08:13	05/08/18 15:47	1
PCB-96	ND		0.011	0.00091	ng/g	☼	04/27/18 08:13	05/08/18 15:47	1
PCB-97	0.10	C86	0.066	0.00094	ng/g	☼	04/27/18 08:13	05/08/18 15:47	1
PCB-98	0.0038	J q C	0.022	0.0011	ng/g	☼	04/27/18 08:13	05/08/18 15:47	1

Client Sample ID: PDI-SG-B250-BL1
Date Collected: 04/18/18 15:20
Date Received: 04/20/18 13:00

Lab Sample ID: 580-76755-6
Matrix: Solid
Percent Solids: 44.2

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-99	0.10	C83	0.022	0.0012	ng/g	☼	04/27/18 08:13	05/08/18 15:47	1
PCB-100	0.0074	J q C93	0.022	0.0011	ng/g	☼	04/27/18 08:13	05/08/18 15:47	1
PCB-101	0.16	q C90	0.033	0.00096	ng/g	☼	04/27/18 08:13	05/08/18 15:47	1
PCB-102	0.0038	J q C98	0.022	0.0011	ng/g	☼	04/27/18 08:13	05/08/18 15:47	1
PCB-103	0.0022	J q	0.011	0.0011	ng/g	☼	04/27/18 08:13	05/08/18 15:47	1
PCB-104	ND		0.011	0.00082	ng/g	☼	04/27/18 08:13	05/08/18 15:47	1
PCB-105	0.057	q	0.011	0.0018	ng/g	☼	04/27/18 08:13	05/08/18 15:47	1
PCB-106	ND		0.011	0.0019	ng/g	☼	04/27/18 08:13	05/08/18 15:47	1
PCB-107	0.015		0.011	0.0018	ng/g	☼	04/27/18 08:13	05/08/18 15:47	1
PCB-108	0.0061	J q C	0.022	0.0019	ng/g	☼	04/27/18 08:13	05/08/18 15:47	1
PCB-109	0.10	C86	0.066	0.00094	ng/g	☼	04/27/18 08:13	05/08/18 15:47	1
PCB-110	0.20	C	0.022	0.00078	ng/g	☼	04/27/18 08:13	05/08/18 15:47	1
PCB-111	ND		0.011	0.00073	ng/g	☼	04/27/18 08:13	05/08/18 15:47	1
PCB-112	ND		0.011	0.00080	ng/g	☼	04/27/18 08:13	05/08/18 15:47	1
PCB-113	0.16	q C90	0.033	0.00096	ng/g	☼	04/27/18 08:13	05/08/18 15:47	1
PCB-114	ND		0.011	0.0017	ng/g	☼	04/27/18 08:13	05/08/18 15:47	1
PCB-115	0.20	C110	0.022	0.00078	ng/g	☼	04/27/18 08:13	05/08/18 15:47	1
PCB-116	0.026	J q C85	0.033	0.00089	ng/g	☼	04/27/18 08:13	05/08/18 15:47	1
PCB-117	0.026	J q C85	0.033	0.00089	ng/g	☼	04/27/18 08:13	05/08/18 15:47	1
PCB-118	0.16	B	0.011	0.0017	ng/g	☼	04/27/18 08:13	05/08/18 15:47	1
PCB-119	0.10	C86	0.066	0.00094	ng/g	☼	04/27/18 08:13	05/08/18 15:47	1
PCB-120	0.0014	J q	0.011	0.00072	ng/g	☼	04/27/18 08:13	05/08/18 15:47	1
PCB-121	0.0018	J q	0.011	0.00078	ng/g	☼	04/27/18 08:13	05/08/18 15:47	1
PCB-122	ND		0.011	0.0021	ng/g	☼	04/27/18 08:13	05/08/18 15:47	1
PCB-123	0.0030	J	0.011	0.0017	ng/g	☼	04/27/18 08:13	05/08/18 15:47	1
PCB-124	0.0061	J q C108	0.022	0.0019	ng/g	☼	04/27/18 08:13	05/08/18 15:47	1
PCB-125	0.10	C86	0.066	0.00094	ng/g	☼	04/27/18 08:13	05/08/18 15:47	1
PCB-126	ND		0.011	0.0018	ng/g	☼	04/27/18 08:13	05/08/18 15:47	1
PCB-127	ND		0.011	0.0018	ng/g	☼	04/27/18 08:13	05/08/18 15:47	1
PCB-128	0.042	C B	0.022	0.00068	ng/g	☼	04/27/18 08:13	05/08/18 15:47	1
PCB-129	0.28	C B	0.044	0.00070	ng/g	☼	04/27/18 08:13	05/08/18 15:47	1
PCB-130	0.013	q	0.011	0.00093	ng/g	☼	04/27/18 08:13	05/08/18 15:47	1
PCB-131	0.0040	J	0.011	0.00094	ng/g	☼	04/27/18 08:13	05/08/18 15:47	1
PCB-132	0.087		0.011	0.00090	ng/g	☼	04/27/18 08:13	05/08/18 15:47	1
PCB-133	0.0051	J q	0.011	0.00088	ng/g	☼	04/27/18 08:13	05/08/18 15:47	1
PCB-134	0.016	J q C	0.022	0.00091	ng/g	☼	04/27/18 08:13	05/08/18 15:47	1
PCB-135	0.094	C	0.022	0.00021	ng/g	☼	04/27/18 08:13	05/08/18 15:47	1
PCB-136	0.031		0.011	0.00015	ng/g	☼	04/27/18 08:13	05/08/18 15:47	1
PCB-137	0.0079	J q	0.011	0.00075	ng/g	☼	04/27/18 08:13	05/08/18 15:47	1
PCB-138	0.28	C129 B	0.044	0.00070	ng/g	☼	04/27/18 08:13	05/08/18 15:47	1
PCB-139	0.0022	J q C	0.022	0.00078	ng/g	☼	04/27/18 08:13	05/08/18 15:47	1
PCB-140	0.0022	J q C139	0.022	0.00078	ng/g	☼	04/27/18 08:13	05/08/18 15:47	1
PCB-141	0.052		0.011	0.00081	ng/g	☼	04/27/18 08:13	05/08/18 15:47	1
PCB-142	ND		0.011	0.00088	ng/g	☼	04/27/18 08:13	05/08/18 15:47	1
PCB-143	0.016	J q C134	0.022	0.00091	ng/g	☼	04/27/18 08:13	05/08/18 15:47	1
PCB-144	0.0085	J q	0.011	0.00019	ng/g	☼	04/27/18 08:13	05/08/18 15:47	1
PCB-145	ND		0.011	0.00015	ng/g	☼	04/27/18 08:13	05/08/18 15:47	1
PCB-146	0.047		0.011	0.00073	ng/g	☼	04/27/18 08:13	05/08/18 15:47	1
PCB-147	0.23	C B	0.022	0.00078	ng/g	☼	04/27/18 08:13	05/08/18 15:47	1

Client Sample ID: PDI-SG-B250-BL1
Date Collected: 04/18/18 15:20
Date Received: 04/20/18 13:00

Lab Sample ID: 580-76755-6
Matrix: Solid
Percent Solids: 44.2

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-148	ND		0.011	0.00020	ng/g	☼	04/27/18 08:13	05/08/18 15:47	1
PCB-149	**0.23**	**C147 B**	0.022	0.00078	ng/g	☼	04/27/18 08:13	05/08/18 15:47	1
PCB-150	**0.0012**	**J q**	0.011	0.00013	ng/g	☼	04/27/18 08:13	05/08/18 15:47	1
PCB-151	**0.094**	**C135**	0.022	0.00021	ng/g	☼	04/27/18 08:13	05/08/18 15:47	1
PCB-152	ND		0.011	0.00014	ng/g	☼	04/27/18 08:13	05/08/18 15:47	1
PCB-153	**0.26**	**C**	0.022	0.00061	ng/g	☼	04/27/18 08:13	05/08/18 15:47	1
PCB-154	**0.0046**	**J**	0.011	0.00017	ng/g	☼	04/27/18 08:13	05/08/18 15:47	1
PCB-155	ND		0.011	0.00014	ng/g	☼	04/27/18 08:13	05/08/18 15:47	1
PCB-156	**0.026**	**q C B**	0.022	0.00072	ng/g	☼	04/27/18 08:13	05/08/18 15:47	1
PCB-157	**0.026**	**q C156 B**	0.022	0.00072	ng/g	☼	04/27/18 08:13	05/08/18 15:47	1
PCB-158	**0.031**		0.011	0.00054	ng/g	☼	04/27/18 08:13	05/08/18 15:47	1
PCB-159	**0.0031**	**J q B**	0.011	0.00056	ng/g	☼	04/27/18 08:13	05/08/18 15:47	1
PCB-160	**0.28**	**C129 B**	0.044	0.00070	ng/g	☼	04/27/18 08:13	05/08/18 15:47	1
PCB-161	ND		0.011	0.00058	ng/g	☼	04/27/18 08:13	05/08/18 15:47	1
PCB-162	ND		0.011	0.00055	ng/g	☼	04/27/18 08:13	05/08/18 15:47	1
PCB-163	**0.28**	**C129 B**	0.044	0.00070	ng/g	☼	04/27/18 08:13	05/08/18 15:47	1
PCB-164	**0.018**	**q**	0.011	0.00059	ng/g	☼	04/27/18 08:13	05/08/18 15:47	1
PCB-165	ND		0.011	0.00066	ng/g	☼	04/27/18 08:13	05/08/18 15:47	1
PCB-166	**0.042**	**C128 B**	0.022	0.00068	ng/g	☼	04/27/18 08:13	05/08/18 15:47	1
PCB-167	**0.0086**	**J q B**	0.011	0.00043	ng/g	☼	04/27/18 08:13	05/08/18 15:47	1
PCB-168	**0.26**	**C153**	0.022	0.00061	ng/g	☼	04/27/18 08:13	05/08/18 15:47	1
PCB-169	ND		0.011	0.00041	ng/g	☼	04/27/18 08:13	05/08/18 15:47	1
PCB-170	**0.088**		0.011	0.00088	ng/g	☼	04/27/18 08:13	05/08/18 15:47	1
PCB-171	**0.019**	**J q C**	0.022	0.00090	ng/g	☼	04/27/18 08:13	05/08/18 15:47	1
PCB-172	**0.011**	**q**	0.011	0.00088	ng/g	☼	04/27/18 08:13	05/08/18 15:47	1
PCB-173	**0.019**	**J q C171**	0.022	0.00090	ng/g	☼	04/27/18 08:13	05/08/18 15:47	1
PCB-174	**0.084**	**q**	0.011	0.00092	ng/g	☼	04/27/18 08:13	05/08/18 15:47	1
PCB-175	**0.0040**	**J q**	0.011	0.00083	ng/g	☼	04/27/18 08:13	05/08/18 15:47	1
PCB-176	**0.0073**	**J q**	0.011	0.00058	ng/g	☼	04/27/18 08:13	05/08/18 15:47	1
PCB-177	**0.053**	**q**	0.011	0.00092	ng/g	☼	04/27/18 08:13	05/08/18 15:47	1
PCB-178	**0.021**		0.011	0.00086	ng/g	☼	04/27/18 08:13	05/08/18 15:47	1
PCB-179	**0.046**		0.011	0.00064	ng/g	☼	04/27/18 08:13	05/08/18 15:47	1
PCB-180	**0.19**	**C**	0.022	0.00068	ng/g	☼	04/27/18 08:13	05/08/18 15:47	1
PCB-181	ND		0.011	0.00079	ng/g	☼	04/27/18 08:13	05/08/18 15:47	1
PCB-182	**0.0018**	**J**	0.011	0.00075	ng/g	☼	04/27/18 08:13	05/08/18 15:47	1
PCB-183	**0.053**	**C**	0.022	0.00076	ng/g	☼	04/27/18 08:13	05/08/18 15:47	1
PCB-184	ND		0.011	0.00064	ng/g	☼	04/27/18 08:13	05/08/18 15:47	1
PCB-185	**0.053**	**C183**	0.022	0.00076	ng/g	☼	04/27/18 08:13	05/08/18 15:47	1
PCB-186	ND		0.011	0.00062	ng/g	☼	04/27/18 08:13	05/08/18 15:47	1
PCB-187	**0.12**		0.011	0.00078	ng/g	☼	04/27/18 08:13	05/08/18 15:47	1
PCB-188	ND		0.011	0.00058	ng/g	☼	04/27/18 08:13	05/08/18 15:47	1
PCB-189	**0.0042**	**J**	0.011	0.00054	ng/g	☼	04/27/18 08:13	05/08/18 15:47	1
PCB-190	**0.013**	**q**	0.011	0.00059	ng/g	☼	04/27/18 08:13	05/08/18 15:47	1
PCB-191	**0.0022**	**J q**	0.011	0.00059	ng/g	☼	04/27/18 08:13	05/08/18 15:47	1
PCB-192	ND		0.011	0.00063	ng/g	☼	04/27/18 08:13	05/08/18 15:47	1
PCB-193	**0.19**	**C180**	0.022	0.00068	ng/g	☼	04/27/18 08:13	05/08/18 15:47	1
PCB-194	**0.048**	**B**	0.011	0.00041	ng/g	☼	04/27/18 08:13	05/08/18 15:47	1
PCB-195	**0.018**		0.011	0.00046	ng/g	☼	04/27/18 08:13	05/08/18 15:47	1
PCB-196	**0.019**		0.011	0.00021	ng/g	☼	04/27/18 08:13	05/08/18 15:47	1

Client Sample ID: PDI-SG-B250-BL1
Date Collected: 04/18/18 15:20
Date Received: 04/20/18 13:00

Lab Sample ID: 580-76755-6
Matrix: Solid
Percent Solids: 44.2

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-197	0.0011	J q	0.011	0.00014	ng/g	☼	04/27/18 08:13	05/08/18 15:47	1
PCB-198	0.055	C	0.022	0.00022	ng/g	☼	04/27/18 08:13	05/08/18 15:47	1
PCB-199	0.055	C198	0.022	0.00022	ng/g	☼	04/27/18 08:13	05/08/18 15:47	1
PCB-200	0.0049	J	0.011	0.00016	ng/g	☼	04/27/18 08:13	05/08/18 15:47	1
PCB-201	0.0050	J	0.011	0.00015	ng/g	☼	04/27/18 08:13	05/08/18 15:47	1
PCB-202	0.010	J q	0.011	0.00017	ng/g	☼	04/27/18 08:13	05/08/18 15:47	1
PCB-203	0.031		0.011	0.00020	ng/g	☼	04/27/18 08:13	05/08/18 15:47	1
PCB-204	ND		0.011	0.00016	ng/g	☼	04/27/18 08:13	05/08/18 15:47	1
PCB-205	0.0021	J q	0.011	0.00030	ng/g	☼	04/27/18 08:13	05/08/18 15:47	1
PCB-206	0.037		0.011	0.0040	ng/g	☼	04/27/18 08:13	05/08/18 15:47	1
PCB-207	ND		0.011	0.0027	ng/g	☼	04/27/18 08:13	05/08/18 15:47	1
PCB-208	0.0093	J q	0.011	0.0030	ng/g	☼	04/27/18 08:13	05/08/18 15:47	1
PCB-209	0.040	B	0.011	0.00021	ng/g	☼	04/27/18 08:13	05/08/18 15:47	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
PCB-1L	*65*		*30 - 140*	*04/27/18 08:13*	*05/08/18 15:47*	*1*
PCB-3L	*62*		*30 - 140*	*04/27/18 08:13*	*05/08/18 15:47*	*1*
PCB-4L	*69*		*30 - 140*	*04/27/18 08:13*	*05/08/18 15:47*	*1*
PCB-15L	*64*		*30 - 140*	*04/27/18 08:13*	*05/08/18 15:47*	*1*
PCB-19L	*65*		*30 - 140*	*04/27/18 08:13*	*05/08/18 15:47*	*1*
PCB-37L	*66*		*30 - 140*	*04/27/18 08:13*	*05/08/18 15:47*	*1*
PCB-54L	*77*		*30 - 140*	*04/27/18 08:13*	*05/08/18 15:47*	*1*
PCB-77L	*70*		*30 - 140*	*04/27/18 08:13*	*05/08/18 15:47*	*1*
PCB-81L	*69*		*30 - 140*	*04/27/18 08:13*	*05/08/18 15:47*	*1*
PCB-104L	*77*		*30 - 140*	*04/27/18 08:13*	*05/08/18 15:47*	*1*
PCB-105L	*69*		*30 - 140*	*04/27/18 08:13*	*05/08/18 15:47*	*1*
PCB-114L	*69*		*30 - 140*	*04/27/18 08:13*	*05/08/18 15:47*	*1*
PCB-118L	*71*		*30 - 140*	*04/27/18 08:13*	*05/08/18 15:47*	*1*
PCB-123L	*70*		*30 - 140*	*04/27/18 08:13*	*05/08/18 15:47*	*1*
PCB-126L	*69*		*30 - 140*	*04/27/18 08:13*	*05/08/18 15:47*	*1*
PCB-155L	*86*		*30 - 140*	*04/27/18 08:13*	*05/08/18 15:47*	*1*
PCB-156L	*71*	*C*	*30 - 140*	*04/27/18 08:13*	*05/08/18 15:47*	*1*
PCB-157L	*71*	*C156*	*30 - 140*	*04/27/18 08:13*	*05/08/18 15:47*	*1*
PCB-167L	*69*		*30 - 140*	*04/27/18 08:13*	*05/08/18 15:47*	*1*
PCB-169L	*72*		*30 - 140*	*04/27/18 08:13*	*05/08/18 15:47*	*1*
PCB-170L	*65*		*30 - 140*	*04/27/18 08:13*	*05/08/18 15:47*	*1*
PCB-188L	*67*		*30 - 140*	*04/27/18 08:13*	*05/08/18 15:47*	*1*
PCB-189L	*81*		*30 - 140*	*04/27/18 08:13*	*05/08/18 15:47*	*1*
PCB-202L	*73*		*30 - 140*	*04/27/18 08:13*	*05/08/18 15:47*	*1*
PCB-205L	*63*		*30 - 140*	*04/27/18 08:13*	*05/08/18 15:47*	*1*
PCB-206L	*55*		*30 - 140*	*04/27/18 08:13*	*05/08/18 15:47*	*1*
PCB-208L	*53*		*30 - 140*	*04/27/18 08:13*	*05/08/18 15:47*	*1*
PCB-209L	*52*		*30 - 140*	*04/27/18 08:13*	*05/08/18 15:47*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
PCB-28L	*64*		*40 - 125*	*04/27/18 08:13*	*05/08/18 15:47*	*1*
PCB-111L	*75*		*40 - 125*	*04/27/18 08:13*	*05/08/18 15:47*	*1*
PCB-178L	*67*		*40 - 125*	*04/27/18 08:13*	*05/08/18 15:47*	*1*

Client Sample ID: PDI-SG-B256-BL1
Date Collected: 04/18/18 16:12
Date Received: 04/20/18 13:00

Lab Sample ID: 580-76755-7
Matrix: Solid
Percent Solids: 41.7

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1	0.0018	J q	0.012	0.00031	ng/g	☼	04/27/18 08:13	05/08/18 16:50	1
PCB-2	0.0050	J B q	0.012	0.00034	ng/g	☼	04/27/18 08:13	05/08/18 16:50	1
PCB-3	0.0027	J B q	0.012	0.00040	ng/g	☼	04/27/18 08:13	05/08/18 16:50	1
PCB-4	0.018	J	0.024	0.00099	ng/g	☼	04/27/18 08:13	05/08/18 16:50	1
PCB-5	ND		0.012	0.00068	ng/g	☼	04/27/18 08:13	05/08/18 16:50	1
PCB-6	0.0031	J	0.012	0.00067	ng/g	☼	04/27/18 08:13	05/08/18 16:50	1
PCB-7	0.0015	J q	0.012	0.00064	ng/g	☼	04/27/18 08:13	05/08/18 16:50	1
PCB-8	0.0099	J B q	0.024	0.00065	ng/g	☼	04/27/18 08:13	05/08/18 16:50	1
PCB-9	0.0017	J	0.012	0.00074	ng/g	☼	04/27/18 08:13	05/08/18 16:50	1
PCB-10	ND		0.012	0.00072	ng/g	☼	04/27/18 08:13	05/08/18 16:50	1
PCB-11	0.038	B	0.024	0.00061	ng/g	☼	04/27/18 08:13	05/08/18 16:50	1
PCB-12	ND	C	0.024	0.00061	ng/g	☼	04/27/18 08:13	05/08/18 16:50	1
PCB-13	ND	C12	0.024	0.00061	ng/g	☼	04/27/18 08:13	05/08/18 16:50	1
PCB-14	ND		0.012	0.00056	ng/g	☼	04/27/18 08:13	05/08/18 16:50	1
PCB-15	0.0065	J q	0.012	0.00066	ng/g	☼	04/27/18 08:13	05/08/18 16:50	1
PCB-16	0.0022	J q	0.012	0.00037	ng/g	☼	04/27/18 08:13	05/08/18 16:50	1
PCB-17	0.011	J q	0.012	0.00028	ng/g	☼	04/27/18 08:13	05/08/18 16:50	1
PCB-18	0.014	J C q	0.024	0.00024	ng/g	☼	04/27/18 08:13	05/08/18 16:50	1
PCB-19	0.012		0.012	0.00034	ng/g	☼	04/27/18 08:13	05/08/18 16:50	1
PCB-20	0.051	C B	0.024	0.0012	ng/g	☼	04/27/18 08:13	05/08/18 16:50	1
PCB-21	0.018	J C B	0.024	0.0012	ng/g	☼	04/27/18 08:13	05/08/18 16:50	1
PCB-22	0.012	B	0.012	0.0013	ng/g	☼	04/27/18 08:13	05/08/18 16:50	1
PCB-23	ND		0.012	0.0012	ng/g	☼	04/27/18 08:13	05/08/18 16:50	1
PCB-24	0.00067	J q	0.012	0.00021	ng/g	☼	04/27/18 08:13	05/08/18 16:50	1
PCB-25	0.0060	J B	0.012	0.0012	ng/g	☼	04/27/18 08:13	05/08/18 16:50	1
PCB-26	0.0065	J C B q	0.024	0.0012	ng/g	☼	04/27/18 08:13	05/08/18 16:50	1
PCB-27	0.0023	J	0.012	0.00021	ng/g	☼	04/27/18 08:13	05/08/18 16:50	1
PCB-28	0.051	B C20	0.024	0.0012	ng/g	☼	04/27/18 08:13	05/08/18 16:50	1
PCB-29	0.0065	J C26 B q	0.024	0.0012	ng/g	☼	04/27/18 08:13	05/08/18 16:50	1
PCB-30	0.014	J C18 q	0.024	0.00024	ng/g	☼	04/27/18 08:13	05/08/18 16:50	1
PCB-31	0.040	B	0.024	0.0011	ng/g	☼	04/27/18 08:13	05/08/18 16:50	1
PCB-32	0.0026	J q	0.012	0.00019	ng/g	☼	04/27/18 08:13	05/08/18 16:50	1
PCB-33	0.018	J B C21	0.024	0.0012	ng/g	☼	04/27/18 08:13	05/08/18 16:50	1
PCB-34	ND		0.012	0.0013	ng/g	☼	04/27/18 08:13	05/08/18 16:50	1
PCB-35	ND		0.012	0.0012	ng/g	☼	04/27/18 08:13	05/08/18 16:50	1
PCB-36	ND		0.012	0.0011	ng/g	☼	04/27/18 08:13	05/08/18 16:50	1
PCB-37	0.016		0.012	0.0012	ng/g	☼	04/27/18 08:13	05/08/18 16:50	1
PCB-38	ND		0.012	0.0012	ng/g	☼	04/27/18 08:13	05/08/18 16:50	1
PCB-39	ND		0.012	0.0011	ng/g	☼	04/27/18 08:13	05/08/18 16:50	1
PCB-40	0.021	J C q	0.036	0.0016	ng/g	☼	04/27/18 08:13	05/08/18 16:50	1
PCB-41	0.021	J q C40	0.036	0.0016	ng/g	☼	04/27/18 08:13	05/08/18 16:50	1
PCB-42	0.015		0.012	0.0016	ng/g	☼	04/27/18 08:13	05/08/18 16:50	1
PCB-43	0.0029	J C q	0.024	0.0014	ng/g	☼	04/27/18 08:13	05/08/18 16:50	1
PCB-44	0.088	C B	0.036	0.0014	ng/g	☼	04/27/18 08:13	05/08/18 16:50	1
PCB-45	0.023	J C	0.024	0.0017	ng/g	☼	04/27/18 08:13	05/08/18 16:50	1
PCB-46	ND		0.012	0.0019	ng/g	☼	04/27/18 08:13	05/08/18 16:50	1
PCB-47	0.088	B C44	0.036	0.0014	ng/g	☼	04/27/18 08:13	05/08/18 16:50	1
PCB-48	0.0082	J	0.012	0.0015	ng/g	☼	04/27/18 08:13	05/08/18 16:50	1
PCB-49	0.062	C	0.024	0.0013	ng/g	☼	04/27/18 08:13	05/08/18 16:50	1

Client Sample ID: PDI-SG-B256-BL1
Date Collected: 04/18/18 16:12
Date Received: 04/20/18 13:00

Lab Sample ID: 580-76755-7
Matrix: Solid
Percent Solids: 41.7

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-50	0.021	J C	0.024	0.0016	ng/g	☼	04/27/18 08:13	05/08/18 16:50	1
PCB-51	0.023	J C45	0.024	0.0017	ng/g	☼	04/27/18 08:13	05/08/18 16:50	1
PCB-52	0.12		0.012	0.0017	ng/g	☼	04/27/18 08:13	05/08/18 16:50	1
PCB-53	0.021	J C50	0.024	0.0016	ng/g	☼	04/27/18 08:13	05/08/18 16:50	1
PCB-54	0.0017	J q	0.012	0.00017	ng/g	☼	04/27/18 08:13	05/08/18 16:50	1
PCB-55	0.0025	J q	0.012	0.0011	ng/g	☼	04/27/18 08:13	05/08/18 16:50	1
PCB-56	0.029		0.012	0.0011	ng/g	☼	04/27/18 08:13	05/08/18 16:50	1
PCB-57	ND		0.012	0.0011	ng/g	☼	04/27/18 08:13	05/08/18 16:50	1
PCB-58	ND		0.012	0.0011	ng/g	☼	04/27/18 08:13	05/08/18 16:50	1
PCB-59	0.0064	J C	0.036	0.0011	ng/g	☼	04/27/18 08:13	05/08/18 16:50	1
PCB-60	0.0093	J	0.012	0.0011	ng/g	☼	04/27/18 08:13	05/08/18 16:50	1
PCB-61	0.12	C B	0.048	0.0010	ng/g	☼	04/27/18 08:13	05/08/18 16:50	1
PCB-62	0.0064	J C59	0.036	0.0011	ng/g	☼	04/27/18 08:13	05/08/18 16:50	1
PCB-63	0.0030	J	0.012	0.00095	ng/g	☼	04/27/18 08:13	05/08/18 16:50	1
PCB-64	0.022		0.012	0.0010	ng/g	☼	04/27/18 08:13	05/08/18 16:50	1
PCB-65	0.088	B C44	0.036	0.0014	ng/g	☼	04/27/18 08:13	05/08/18 16:50	1
PCB-66	0.074		0.012	0.0010	ng/g	☼	04/27/18 08:13	05/08/18 16:50	1
PCB-67	0.0015	J q	0.012	0.0010	ng/g	☼	04/27/18 08:13	05/08/18 16:50	1
PCB-68	0.0012	J q	0.012	0.00095	ng/g	☼	04/27/18 08:13	05/08/18 16:50	1
PCB-69	0.062	C49	0.024	0.0013	ng/g	☼	04/27/18 08:13	05/08/18 16:50	1
PCB-70	0.12	C61 B	0.048	0.0010	ng/g	☼	04/27/18 08:13	05/08/18 16:50	1
PCB-71	0.021	J q C40	0.036	0.0016	ng/g	☼	04/27/18 08:13	05/08/18 16:50	1
PCB-72	0.0027	J	0.012	0.0011	ng/g	☼	04/27/18 08:13	05/08/18 16:50	1
PCB-73	0.0029	J C43 q	0.024	0.0014	ng/g	☼	04/27/18 08:13	05/08/18 16:50	1
PCB-74	0.12	C61 B	0.048	0.0010	ng/g	☼	04/27/18 08:13	05/08/18 16:50	1
PCB-75	0.0064	J C59	0.036	0.0011	ng/g	☼	04/27/18 08:13	05/08/18 16:50	1
PCB-76	0.12	C61 B	0.048	0.0010	ng/g	☼	04/27/18 08:13	05/08/18 16:50	1
PCB-77	0.0093	J	0.012	0.0010	ng/g	☼	04/27/18 08:13	05/08/18 16:50	1
PCB-78	ND		0.012	0.0011	ng/g	☼	04/27/18 08:13	05/08/18 16:50	1
PCB-79	0.0017	J q	0.012	0.00090	ng/g	☼	04/27/18 08:13	05/08/18 16:50	1
PCB-80	ND		0.012	0.00094	ng/g	☼	04/27/18 08:13	05/08/18 16:50	1
PCB-81	ND		0.012	0.00098	ng/g	☼	04/27/18 08:13	05/08/18 16:50	1
PCB-82	0.018		0.012	0.0017	ng/g	☼	04/27/18 08:13	05/08/18 16:50	1
PCB-83	0.10	C q	0.024	0.0016	ng/g	☼	04/27/18 08:13	05/08/18 16:50	1
PCB-84	0.033	q	0.012	0.0018	ng/g	☼	04/27/18 08:13	05/08/18 16:50	1
PCB-85	0.021	J C	0.036	0.0012	ng/g	☼	04/27/18 08:13	05/08/18 16:50	1
PCB-86	0.11	C	0.071	0.0013	ng/g	☼	04/27/18 08:13	05/08/18 16:50	1
PCB-87	0.11	C86	0.071	0.0013	ng/g	☼	04/27/18 08:13	05/08/18 16:50	1
PCB-88	0.029	C q	0.024	0.0015	ng/g	☼	04/27/18 08:13	05/08/18 16:50	1
PCB-89	ND		0.012	0.0017	ng/g	☼	04/27/18 08:13	05/08/18 16:50	1
PCB-90	0.20	C	0.036	0.0013	ng/g	☼	04/27/18 08:13	05/08/18 16:50	1
PCB-91	0.029	C88 q	0.024	0.0015	ng/g	☼	04/27/18 08:13	05/08/18 16:50	1
PCB-92	0.039		0.012	0.0016	ng/g	☼	04/27/18 08:13	05/08/18 16:50	1
PCB-93	0.0094	J C q	0.024	0.0016	ng/g	☼	04/27/18 08:13	05/08/18 16:50	1
PCB-94	0.0040	J	0.012	0.0017	ng/g	☼	04/27/18 08:13	05/08/18 16:50	1
PCB-95	0.15		0.012	0.0016	ng/g	☼	04/27/18 08:13	05/08/18 16:50	1
PCB-96	ND		0.012	0.0013	ng/g	☼	04/27/18 08:13	05/08/18 16:50	1
PCB-97	0.11	C86	0.071	0.0013	ng/g	☼	04/27/18 08:13	05/08/18 16:50	1
PCB-98	0.0066	J C q	0.024	0.0016	ng/g	☼	04/27/18 08:13	05/08/18 16:50	1

Client Sample ID: PDI-SG-B256-BL1
Date Collected: 04/18/18 16:12
Date Received: 04/20/18 13:00

Lab Sample ID: 580-76755-7
Matrix: Solid
Percent Solids: 41.7

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-99	0.10	C83 q	0.024	0.0016	ng/g	☼	04/27/18 08:13	05/08/18 16:50	1
PCB-100	0.0094	J C93 q	0.024	0.0016	ng/g	☼	04/27/18 08:13	05/08/18 16:50	1
PCB-101	0.20	C90	0.036	0.0013	ng/g	☼	04/27/18 08:13	05/08/18 16:50	1
PCB-102	0.0066	J C98 q	0.024	0.0016	ng/g	☼	04/27/18 08:13	05/08/18 16:50	1
PCB-103	0.0038	J	0.012	0.0014	ng/g	☼	04/27/18 08:13	05/08/18 16:50	1
PCB-104	ND		0.012	0.0011	ng/g	☼	04/27/18 08:13	05/08/18 16:50	1
PCB-105	0.060		0.012	0.0018	ng/g	☼	04/27/18 08:13	05/08/18 16:50	1
PCB-106	ND		0.012	0.0019	ng/g	☼	04/27/18 08:13	05/08/18 16:50	1
PCB-107	0.013	q	0.012	0.0019	ng/g	☼	04/27/18 08:13	05/08/18 16:50	1
PCB-108	0.0057	J C q	0.024	0.0019	ng/g	☼	04/27/18 08:13	05/08/18 16:50	1
PCB-109	0.11	C86	0.071	0.0013	ng/g	☼	04/27/18 08:13	05/08/18 16:50	1
PCB-110	0.20	C	0.024	0.0011	ng/g	☼	04/27/18 08:13	05/08/18 16:50	1
PCB-111	ND		0.012	0.0010	ng/g	☼	04/27/18 08:13	05/08/18 16:50	1
PCB-112	ND		0.012	0.0011	ng/g	☼	04/27/18 08:13	05/08/18 16:50	1
PCB-113	0.20	C90	0.036	0.0013	ng/g	☼	04/27/18 08:13	05/08/18 16:50	1
PCB-114	0.0039	J	0.012	0.0018	ng/g	☼	04/27/18 08:13	05/08/18 16:50	1
PCB-115	0.20	C110	0.024	0.0011	ng/g	☼	04/27/18 08:13	05/08/18 16:50	1
PCB-116	0.021	J C85	0.036	0.0012	ng/g	☼	04/27/18 08:13	05/08/18 16:50	1
PCB-117	0.021	J C85	0.036	0.0012	ng/g	☼	04/27/18 08:13	05/08/18 16:50	1
PCB-118	0.16	B	0.012	0.0018	ng/g	☼	04/27/18 08:13	05/08/18 16:50	1
PCB-119	0.11	C86	0.071	0.0013	ng/g	☼	04/27/18 08:13	05/08/18 16:50	1
PCB-120	ND		0.012	0.00099	ng/g	☼	04/27/18 08:13	05/08/18 16:50	1
PCB-121	ND		0.012	0.0011	ng/g	☼	04/27/18 08:13	05/08/18 16:50	1
PCB-122	ND		0.012	0.0021	ng/g	☼	04/27/18 08:13	05/08/18 16:50	1
PCB-123	0.0029	J	0.012	0.0017	ng/g	☼	04/27/18 08:13	05/08/18 16:50	1
PCB-124	0.0057	J q C108	0.024	0.0019	ng/g	☼	04/27/18 08:13	05/08/18 16:50	1
PCB-125	0.11	C86	0.071	0.0013	ng/g	☼	04/27/18 08:13	05/08/18 16:50	1
PCB-126	ND		0.012	0.0018	ng/g	☼	04/27/18 08:13	05/08/18 16:50	1
PCB-127	ND		0.012	0.0018	ng/g	☼	04/27/18 08:13	05/08/18 16:50	1
PCB-128	0.046	C B	0.024	0.0015	ng/g	☼	04/27/18 08:13	05/08/18 16:50	1
PCB-129	0.36	C B	0.048	0.0015	ng/g	☼	04/27/18 08:13	05/08/18 16:50	1
PCB-130	0.028		0.012	0.0020	ng/g	☼	04/27/18 08:13	05/08/18 16:50	1
PCB-131	ND		0.012	0.0020	ng/g	☼	04/27/18 08:13	05/08/18 16:50	1
PCB-132	0.10		0.012	0.0019	ng/g	☼	04/27/18 08:13	05/08/18 16:50	1
PCB-133	0.0088	J	0.012	0.0019	ng/g	☼	04/27/18 08:13	05/08/18 16:50	1
PCB-134	0.016	J C	0.024	0.0019	ng/g	☼	04/27/18 08:13	05/08/18 16:50	1
PCB-135	0.13	C	0.024	0.00025	ng/g	☼	04/27/18 08:13	05/08/18 16:50	1
PCB-136	0.037	q	0.012	0.00018	ng/g	☼	04/27/18 08:13	05/08/18 16:50	1
PCB-137	0.0085	J q	0.012	0.0016	ng/g	☼	04/27/18 08:13	05/08/18 16:50	1
PCB-138	0.36	B C129	0.048	0.0015	ng/g	☼	04/27/18 08:13	05/08/18 16:50	1
PCB-139	ND	C	0.024	0.0017	ng/g	☼	04/27/18 08:13	05/08/18 16:50	1
PCB-140	ND	C139	0.024	0.0017	ng/g	☼	04/27/18 08:13	05/08/18 16:50	1
PCB-141	0.068		0.012	0.0017	ng/g	☼	04/27/18 08:13	05/08/18 16:50	1
PCB-142	ND		0.012	0.0019	ng/g	☼	04/27/18 08:13	05/08/18 16:50	1
PCB-143	0.016	J C134	0.024	0.0019	ng/g	☼	04/27/18 08:13	05/08/18 16:50	1
PCB-144	0.0091	J q	0.012	0.00023	ng/g	☼	04/27/18 08:13	05/08/18 16:50	1
PCB-145	ND		0.012	0.00018	ng/g	☼	04/27/18 08:13	05/08/18 16:50	1
PCB-146	0.052		0.012	0.0016	ng/g	☼	04/27/18 08:13	05/08/18 16:50	1
PCB-147	0.27	C B	0.024	0.0017	ng/g	☼	04/27/18 08:13	05/08/18 16:50	1

Client Sample ID: PDI-SG-B256-BL1
Date Collected: 04/18/18 16:12
Date Received: 04/20/18 13:00

Lab Sample ID: 580-76755-7
Matrix: Solid
Percent Solids: 41.7

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-148	ND		0.012	0.00024	ng/g	☼	04/27/18 08:13	05/08/18 16:50	1
PCB-149	**0.27**	**B C147**	0.024	0.0017	ng/g	☼	04/27/18 08:13	05/08/18 16:50	1
PCB-150	ND		0.012	0.00016	ng/g	☼	04/27/18 08:13	05/08/18 16:50	1
PCB-151	**0.13**	**C135**	0.024	0.00025	ng/g	☼	04/27/18 08:13	05/08/18 16:50	1
PCB-152	ND		0.012	0.00017	ng/g	☼	04/27/18 08:13	05/08/18 16:50	1
PCB-153	**0.29**	**C**	0.024	0.0013	ng/g	☼	04/27/18 08:13	05/08/18 16:50	1
PCB-154	**0.0046**	**J**	0.012	0.00021	ng/g	☼	04/27/18 08:13	05/08/18 16:50	1
PCB-155	ND		0.012	0.00016	ng/g	☼	04/27/18 08:13	05/08/18 16:50	1
PCB-156	**0.032**	**C B**	0.024	0.0015	ng/g	☼	04/27/18 08:13	05/08/18 16:50	1
PCB-157	**0.032**	**C156 B**	0.024	0.0015	ng/g	☼	04/27/18 08:13	05/08/18 16:50	1
PCB-158	**0.034**		0.012	0.0011	ng/g	☼	04/27/18 08:13	05/08/18 16:50	1
PCB-159	**0.0041**	**J B**	0.012	0.0012	ng/g	☼	04/27/18 08:13	05/08/18 16:50	1
PCB-160	**0.36**	**B C129**	0.048	0.0015	ng/g	☼	04/27/18 08:13	05/08/18 16:50	1
PCB-161	ND		0.012	0.0012	ng/g	☼	04/27/18 08:13	05/08/18 16:50	1
PCB-162	ND		0.012	0.0012	ng/g	☼	04/27/18 08:13	05/08/18 16:50	1
PCB-163	**0.36**	**B C129**	0.048	0.0015	ng/g	☼	04/27/18 08:13	05/08/18 16:50	1
PCB-164	**0.023**		0.012	0.0013	ng/g	☼	04/27/18 08:13	05/08/18 16:50	1
PCB-165	ND		0.012	0.0014	ng/g	☼	04/27/18 08:13	05/08/18 16:50	1
PCB-166	**0.046**	**C128 B**	0.024	0.0015	ng/g	☼	04/27/18 08:13	05/08/18 16:50	1
PCB-167	**0.0094**	**J B q**	0.012	0.00088	ng/g	☼	04/27/18 08:13	05/08/18 16:50	1
PCB-168	**0.29**	**C153**	0.024	0.0013	ng/g	☼	04/27/18 08:13	05/08/18 16:50	1
PCB-169	ND		0.012	0.00091	ng/g	☼	04/27/18 08:13	05/08/18 16:50	1
PCB-170	**0.13**		0.012	0.000060	ng/g	☼	04/27/18 08:13	05/08/18 16:50	1
PCB-171	**0.026**	**C q**	0.024	0.000059	ng/g	☼	04/27/18 08:13	05/08/18 16:50	1
PCB-172	**0.024**		0.012	0.000058	ng/g	☼	04/27/18 08:13	05/08/18 16:50	1
PCB-173	**0.026**	**C171 q**	0.024	0.000059	ng/g	☼	04/27/18 08:13	05/08/18 16:50	1
PCB-174	**0.22**	**q**	0.012	0.000060	ng/g	☼	04/27/18 08:13	05/08/18 16:50	1
PCB-175	**0.0039**	**J q**	0.012	0.000054	ng/g	☼	04/27/18 08:13	05/08/18 16:50	1
PCB-176	**0.011**	**J q**	0.012	0.000038	ng/g	☼	04/27/18 08:13	05/08/18 16:50	1
PCB-177	**0.079**		0.012	0.000061	ng/g	☼	04/27/18 08:13	05/08/18 16:50	1
PCB-178	**0.027**	**q**	0.012	0.000056	ng/g	☼	04/27/18 08:13	05/08/18 16:50	1
PCB-179	**0.057**		0.012	0.000042	ng/g	☼	04/27/18 08:13	05/08/18 16:50	1
PCB-180	**0.27**	**C**	0.024	0.000045	ng/g	☼	04/27/18 08:13	05/08/18 16:50	1
PCB-181	ND		0.012	0.000052	ng/g	☼	04/27/18 08:13	05/08/18 16:50	1
PCB-182	ND		0.012	0.000049	ng/g	☼	04/27/18 08:13	05/08/18 16:50	1
PCB-183	**0.080**	**C**	0.024	0.000050	ng/g	☼	04/27/18 08:13	05/08/18 16:50	1
PCB-184	ND		0.012	0.000042	ng/g	☼	04/27/18 08:13	05/08/18 16:50	1
PCB-185	**0.080**	**C183**	0.024	0.000050	ng/g	☼	04/27/18 08:13	05/08/18 16:50	1
PCB-186	ND		0.012	0.000041	ng/g	☼	04/27/18 08:13	05/08/18 16:50	1
PCB-187	**0.16**		0.012	0.000051	ng/g	☼	04/27/18 08:13	05/08/18 16:50	1
PCB-188	ND		0.012	0.000038	ng/g	☼	04/27/18 08:13	05/08/18 16:50	1
PCB-189	**0.0051**	**J**	0.012	0.00056	ng/g	☼	04/27/18 08:13	05/08/18 16:50	1
PCB-190	**0.025**		0.012	0.000039	ng/g	☼	04/27/18 08:13	05/08/18 16:50	1
PCB-191	**0.0031**	**J**	0.012	0.000039	ng/g	☼	04/27/18 08:13	05/08/18 16:50	1
PCB-192	ND		0.012	0.000041	ng/g	☼	04/27/18 08:13	05/08/18 16:50	1
PCB-193	**0.27**	**C180**	0.024	0.000045	ng/g	☼	04/27/18 08:13	05/08/18 16:50	1
PCB-194	**0.071**	**B**	0.012	0.00091	ng/g	☼	04/27/18 08:13	05/08/18 16:50	1
PCB-195	**0.029**		0.012	0.0010	ng/g	☼	04/27/18 08:13	05/08/18 16:50	1
PCB-196	**0.028**	**q**	0.012	0.00032	ng/g	☼	04/27/18 08:13	05/08/18 16:50	1

Client Sample ID: PDI-SG-B256-BL1
Date Collected: 04/18/18 16:12
Date Received: 04/20/18 13:00

Lab Sample ID: 580-76755-7
Matrix: Solid
Percent Solids: 41.7

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-197	0.0018	J q	0.012	0.00022	ng/g	☼	04/27/18 08:13	05/08/18 16:50	1
PCB-198	0.068	C q	0.024	0.00034	ng/g	☼	04/27/18 08:13	05/08/18 16:50	1
PCB-199	0.068	C198 q	0.024	0.00034	ng/g	☼	04/27/18 08:13	05/08/18 16:50	1
PCB-200	0.0081	J q	0.012	0.00025	ng/g	☼	04/27/18 08:13	05/08/18 16:50	1
PCB-201	0.0052	J q	0.012	0.00024	ng/g	☼	04/27/18 08:13	05/08/18 16:50	1
PCB-202	0.013	q	0.012	0.00027	ng/g	☼	04/27/18 08:13	05/08/18 16:50	1
PCB-203	0.038	q	0.012	0.00031	ng/g	☼	04/27/18 08:13	05/08/18 16:50	1
PCB-204	ND		0.012	0.00025	ng/g	☼	04/27/18 08:13	05/08/18 16:50	1
PCB-205	0.0030	J q	0.012	0.00068	ng/g	☼	04/27/18 08:13	05/08/18 16:50	1
PCB-206	0.037	q	0.012	0.0016	ng/g	☼	04/27/18 08:13	05/08/18 16:50	1
PCB-207	0.0052	J	0.012	0.0010	ng/g	☼	04/27/18 08:13	05/08/18 16:50	1
PCB-208	0.0092	J q	0.012	0.0011	ng/g	☼	04/27/18 08:13	05/08/18 16:50	1
PCB-209	0.035	B	0.012	0.000083	ng/g	☼	04/27/18 08:13	05/08/18 16:50	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
PCB-1L	*81*		*30 - 140*	*04/27/18 08:13*	*05/08/18 16:50*	*1*
PCB-3L	*72*		*30 - 140*	*04/27/18 08:13*	*05/08/18 16:50*	*1*
PCB-4L	*76*		*30 - 140*	*04/27/18 08:13*	*05/08/18 16:50*	*1*
PCB-15L	*83*		*30 - 140*	*04/27/18 08:13*	*05/08/18 16:50*	*1*
PCB-19L	*74*		*30 - 140*	*04/27/18 08:13*	*05/08/18 16:50*	*1*
PCB-37L	*81*		*30 - 140*	*04/27/18 08:13*	*05/08/18 16:50*	*1*
PCB-54L	*96*		*30 - 140*	*04/27/18 08:13*	*05/08/18 16:50*	*1*
PCB-77L	*85*		*30 - 140*	*04/27/18 08:13*	*05/08/18 16:50*	*1*
PCB-81L	*83*		*30 - 140*	*04/27/18 08:13*	*05/08/18 16:50*	*1*
PCB-104L	*85*		*30 - 140*	*04/27/18 08:13*	*05/08/18 16:50*	*1*
PCB-105L	*80*		*30 - 140*	*04/27/18 08:13*	*05/08/18 16:50*	*1*
PCB-114L	*78*		*30 - 140*	*04/27/18 08:13*	*05/08/18 16:50*	*1*
PCB-118L	*79*		*30 - 140*	*04/27/18 08:13*	*05/08/18 16:50*	*1*
PCB-123L	*80*		*30 - 140*	*04/27/18 08:13*	*05/08/18 16:50*	*1*
PCB-126L	*83*		*30 - 140*	*04/27/18 08:13*	*05/08/18 16:50*	*1*
PCB-155L	*97*		*30 - 140*	*04/27/18 08:13*	*05/08/18 16:50*	*1*
PCB-156L	*82*	*C*	*30 - 140*	*04/27/18 08:13*	*05/08/18 16:50*	*1*
PCB-157L	*82*	*C156*	*30 - 140*	*04/27/18 08:13*	*05/08/18 16:50*	*1*
PCB-167L	*83*		*30 - 140*	*04/27/18 08:13*	*05/08/18 16:50*	*1*
PCB-169L	*82*		*30 - 140*	*04/27/18 08:13*	*05/08/18 16:50*	*1*
PCB-170L	*82*		*30 - 140*	*04/27/18 08:13*	*05/08/18 16:50*	*1*
PCB-188L	*86*		*30 - 140*	*04/27/18 08:13*	*05/08/18 16:50*	*1*
PCB-189L	*102*		*30 - 140*	*04/27/18 08:13*	*05/08/18 16:50*	*1*
PCB-202L	*94*		*30 - 140*	*04/27/18 08:13*	*05/08/18 16:50*	*1*
PCB-205L	*79*		*30 - 140*	*04/27/18 08:13*	*05/08/18 16:50*	*1*
PCB-206L	*65*		*30 - 140*	*04/27/18 08:13*	*05/08/18 16:50*	*1*
PCB-208L	*70*		*30 - 140*	*04/27/18 08:13*	*05/08/18 16:50*	*1*
PCB-209L	*60*		*30 - 140*	*04/27/18 08:13*	*05/08/18 16:50*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
PCB-28L	*76*		*40 - 125*	*04/27/18 08:13*	*05/08/18 16:50*	*1*
PCB-111L	*82*		*40 - 125*	*04/27/18 08:13*	*05/08/18 16:50*	*1*
PCB-178L	*87*		*40 - 125*	*04/27/18 08:13*	*05/08/18 16:50*	*1*

Client Sample ID: PDI-SG-B267-BL1
Date Collected: 04/18/18 17:00
Date Received: 04/20/18 13:00

Lab Sample ID: 580-76755-8
Matrix: Solid
Percent Solids: 39.7

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1	0.0017	J	0.012	0.00031	ng/g	☼	04/27/18 08:13	05/08/18 17:54	1
PCB-2	0.0031	J B q	0.012	0.00035	ng/g	☼	04/27/18 08:13	05/08/18 17:54	1
PCB-3	0.0026	J B q	0.012	0.00041	ng/g	☼	04/27/18 08:13	05/08/18 17:54	1
PCB-4	0.0074	J q	0.024	0.00079	ng/g	☼	04/27/18 08:13	05/08/18 17:54	1
PCB-5	ND		0.012	0.00057	ng/g	☼	04/27/18 08:13	05/08/18 17:54	1
PCB-6	0.0013	J q	0.012	0.00056	ng/g	☼	04/27/18 08:13	05/08/18 17:54	1
PCB-7	0.0015	J q	0.012	0.00054	ng/g	☼	04/27/18 08:13	05/08/18 17:54	1
PCB-8	0.0087	J B	0.024	0.00055	ng/g	☼	04/27/18 08:13	05/08/18 17:54	1
PCB-9	ND		0.012	0.00063	ng/g	☼	04/27/18 08:13	05/08/18 17:54	1
PCB-10	ND		0.012	0.00061	ng/g	☼	04/27/18 08:13	05/08/18 17:54	1
PCB-11	0.026	B q	0.024	0.00052	ng/g	☼	04/27/18 08:13	05/08/18 17:54	1
PCB-12	ND	C	0.024	0.00052	ng/g	☼	04/27/18 08:13	05/08/18 17:54	1
PCB-13	ND	C12	0.024	0.00052	ng/g	☼	04/27/18 08:13	05/08/18 17:54	1
PCB-14	ND		0.012	0.00048	ng/g	☼	04/27/18 08:13	05/08/18 17:54	1
PCB-15	0.0060	J q	0.012	0.00058	ng/g	☼	04/27/18 08:13	05/08/18 17:54	1
PCB-16	0.0027	J q	0.012	0.00019	ng/g	☼	04/27/18 08:13	05/08/18 17:54	1
PCB-17	0.0078	J q	0.012	0.00015	ng/g	☼	04/27/18 08:13	05/08/18 17:54	1
PCB-18	0.013	J C q	0.024	0.00013	ng/g	☼	04/27/18 08:13	05/08/18 17:54	1
PCB-19	0.0081	J	0.012	0.00018	ng/g	☼	04/27/18 08:13	05/08/18 17:54	1
PCB-20	0.046	C B	0.024	0.00098	ng/g	☼	04/27/18 08:13	05/08/18 17:54	1
PCB-21	0.016	J C B q	0.024	0.00091	ng/g	☼	04/27/18 08:13	05/08/18 17:54	1
PCB-22	0.011	J B	0.012	0.00099	ng/g	☼	04/27/18 08:13	05/08/18 17:54	1
PCB-23	ND		0.012	0.00098	ng/g	☼	04/27/18 08:13	05/08/18 17:54	1
PCB-24	0.0014	J q	0.012	0.00011	ng/g	☼	04/27/18 08:13	05/08/18 17:54	1
PCB-25	0.0051	J B q	0.012	0.00093	ng/g	☼	04/27/18 08:13	05/08/18 17:54	1
PCB-26	0.0066	J C B q	0.024	0.00098	ng/g	☼	04/27/18 08:13	05/08/18 17:54	1
PCB-27	0.00029	J q	0.012	0.00011	ng/g	☼	04/27/18 08:13	05/08/18 17:54	1
PCB-28	0.046	B C20	0.024	0.00098	ng/g	☼	04/27/18 08:13	05/08/18 17:54	1
PCB-29	0.0066	J C26 B q	0.024	0.00098	ng/g	☼	04/27/18 08:13	05/08/18 17:54	1
PCB-30	0.013	J C18 q	0.024	0.00013	ng/g	☼	04/27/18 08:13	05/08/18 17:54	1
PCB-31	0.031	B	0.024	0.00090	ng/g	☼	04/27/18 08:13	05/08/18 17:54	1
PCB-32	0.0011	J q	0.012	0.00010	ng/g	☼	04/27/18 08:13	05/08/18 17:54	1
PCB-33	0.016	J B C21 q	0.024	0.00091	ng/g	☼	04/27/18 08:13	05/08/18 17:54	1
PCB-34	ND		0.012	0.0010	ng/g	☼	04/27/18 08:13	05/08/18 17:54	1
PCB-35	0.0011	J q	0.012	0.00096	ng/g	☼	04/27/18 08:13	05/08/18 17:54	1
PCB-36	ND		0.012	0.00088	ng/g	☼	04/27/18 08:13	05/08/18 17:54	1
PCB-37	0.012		0.012	0.00091	ng/g	☼	04/27/18 08:13	05/08/18 17:54	1
PCB-38	ND		0.012	0.00095	ng/g	☼	04/27/18 08:13	05/08/18 17:54	1
PCB-39	ND		0.012	0.00087	ng/g	☼	04/27/18 08:13	05/08/18 17:54	1
PCB-40	0.027	J C	0.037	0.0011	ng/g	☼	04/27/18 08:13	05/08/18 17:54	1
PCB-41	0.027	J C40	0.037	0.0011	ng/g	☼	04/27/18 08:13	05/08/18 17:54	1
PCB-42	0.012	q	0.012	0.0011	ng/g	☼	04/27/18 08:13	05/08/18 17:54	1
PCB-43	0.0013	J C q	0.024	0.00095	ng/g	☼	04/27/18 08:13	05/08/18 17:54	1
PCB-44	0.067	C B q	0.037	0.00094	ng/g	☼	04/27/18 08:13	05/08/18 17:54	1
PCB-45	0.011	J C q	0.024	0.0011	ng/g	☼	04/27/18 08:13	05/08/18 17:54	1
PCB-46	ND		0.012	0.0013	ng/g	☼	04/27/18 08:13	05/08/18 17:54	1
PCB-47	0.067	B C44 q	0.037	0.00094	ng/g	☼	04/27/18 08:13	05/08/18 17:54	1
PCB-48	0.0093	J	0.012	0.0010	ng/g	☼	04/27/18 08:13	05/08/18 17:54	1
PCB-49	0.052	C	0.024	0.00085	ng/g	☼	04/27/18 08:13	05/08/18 17:54	1

Client Sample ID: PDI-SG-B267-BL1
Date Collected: 04/18/18 17:00
Date Received: 04/20/18 13:00

Lab Sample ID: 580-76755-8
Matrix: Solid
Percent Solids: 39.7

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-50	0.016	J C	0.024	0.0011	ng/g	☼	04/27/18 08:13	05/08/18 17:54	1
PCB-51	0.011	J C45 q	0.024	0.0011	ng/g	☼	04/27/18 08:13	05/08/18 17:54	1
PCB-52	0.094		0.012	0.0011	ng/g	☼	04/27/18 08:13	05/08/18 17:54	1
PCB-53	0.016	J C50	0.024	0.0011	ng/g	☼	04/27/18 08:13	05/08/18 17:54	1
PCB-54	ND		0.012	0.00014	ng/g	☼	04/27/18 08:13	05/08/18 17:54	1
PCB-55	0.0019	J q	0.012	0.00072	ng/g	☼	04/27/18 08:13	05/08/18 17:54	1
PCB-56	0.024		0.012	0.00073	ng/g	☼	04/27/18 08:13	05/08/18 17:54	1
PCB-57	ND		0.012	0.00073	ng/g	☼	04/27/18 08:13	05/08/18 17:54	1
PCB-58	ND		0.012	0.00071	ng/g	☼	04/27/18 08:13	05/08/18 17:54	1
PCB-59	0.0050	J C	0.037	0.00071	ng/g	☼	04/27/18 08:13	05/08/18 17:54	1
PCB-60	0.0067	J q	0.012	0.00072	ng/g	☼	04/27/18 08:13	05/08/18 17:54	1
PCB-61	0.11	C B	0.049	0.00069	ng/g	☼	04/27/18 08:13	05/08/18 17:54	1
PCB-62	0.0050	J C59	0.037	0.00071	ng/g	☼	04/27/18 08:13	05/08/18 17:54	1
PCB-63	0.0017	J q	0.012	0.00064	ng/g	☼	04/27/18 08:13	05/08/18 17:54	1
PCB-64	0.021		0.012	0.00067	ng/g	☼	04/27/18 08:13	05/08/18 17:54	1
PCB-65	0.067	B C44 q	0.037	0.00094	ng/g	☼	04/27/18 08:13	05/08/18 17:54	1
PCB-66	0.059		0.012	0.00070	ng/g	☼	04/27/18 08:13	05/08/18 17:54	1
PCB-67	ND		0.012	0.00068	ng/g	☼	04/27/18 08:13	05/08/18 17:54	1
PCB-68	ND		0.012	0.00064	ng/g	☼	04/27/18 08:13	05/08/18 17:54	1
PCB-69	0.052	C49	0.024	0.00085	ng/g	☼	04/27/18 08:13	05/08/18 17:54	1
PCB-70	0.11	C61 B	0.049	0.00069	ng/g	☼	04/27/18 08:13	05/08/18 17:54	1
PCB-71	0.027	J C40	0.037	0.0011	ng/g	☼	04/27/18 08:13	05/08/18 17:54	1
PCB-72	0.0011	J q	0.012	0.00072	ng/g	☼	04/27/18 08:13	05/08/18 17:54	1
PCB-73	0.0013	J C43 q	0.024	0.00095	ng/g	☼	04/27/18 08:13	05/08/18 17:54	1
PCB-74	0.11	C61 B	0.049	0.00069	ng/g	☼	04/27/18 08:13	05/08/18 17:54	1
PCB-75	0.0050	J C59	0.037	0.00071	ng/g	☼	04/27/18 08:13	05/08/18 17:54	1
PCB-76	0.11	C61 B	0.049	0.00069	ng/g	☼	04/27/18 08:13	05/08/18 17:54	1
PCB-77	0.0070	J q	0.012	0.00067	ng/g	☼	04/27/18 08:13	05/08/18 17:54	1
PCB-78	ND		0.012	0.00071	ng/g	☼	04/27/18 08:13	05/08/18 17:54	1
PCB-79	0.0020	J q	0.012	0.00060	ng/g	☼	04/27/18 08:13	05/08/18 17:54	1
PCB-80	ND		0.012	0.00063	ng/g	☼	04/27/18 08:13	05/08/18 17:54	1
PCB-81	ND		0.012	0.00066	ng/g	☼	04/27/18 08:13	05/08/18 17:54	1
PCB-82	0.017	q	0.012	0.0012	ng/g	☼	04/27/18 08:13	05/08/18 17:54	1
PCB-83	0.10	C	0.024	0.0011	ng/g	☼	04/27/18 08:13	05/08/18 17:54	1
PCB-84	0.030		0.012	0.0012	ng/g	☼	04/27/18 08:13	05/08/18 17:54	1
PCB-85	0.034	J C	0.037	0.00086	ng/g	☼	04/27/18 08:13	05/08/18 17:54	1
PCB-86	0.098	C	0.073	0.00091	ng/g	☼	04/27/18 08:13	05/08/18 17:54	1
PCB-87	0.098	C86	0.073	0.00091	ng/g	☼	04/27/18 08:13	05/08/18 17:54	1
PCB-88	0.022	J C q	0.024	0.0011	ng/g	☼	04/27/18 08:13	05/08/18 17:54	1
PCB-89	ND		0.012	0.0012	ng/g	☼	04/27/18 08:13	05/08/18 17:54	1
PCB-90	0.16	C	0.037	0.00092	ng/g	☼	04/27/18 08:13	05/08/18 17:54	1
PCB-91	0.022	J C88 q	0.024	0.0011	ng/g	☼	04/27/18 08:13	05/08/18 17:54	1
PCB-92	0.025		0.012	0.0011	ng/g	☼	04/27/18 08:13	05/08/18 17:54	1
PCB-93	0.0043	J C q	0.024	0.0011	ng/g	☼	04/27/18 08:13	05/08/18 17:54	1
PCB-94	ND		0.012	0.0012	ng/g	☼	04/27/18 08:13	05/08/18 17:54	1
PCB-95	0.12		0.012	0.0011	ng/g	☼	04/27/18 08:13	05/08/18 17:54	1
PCB-96	0.0015	J q	0.012	0.00087	ng/g	☼	04/27/18 08:13	05/08/18 17:54	1
PCB-97	0.098	C86	0.073	0.00091	ng/g	☼	04/27/18 08:13	05/08/18 17:54	1
PCB-98	0.0083	J C	0.024	0.0011	ng/g	☼	04/27/18 08:13	05/08/18 17:54	1

Client Sample ID: PDI-SG-B267-BL1
Date Collected: 04/18/18 17:00
Date Received: 04/20/18 13:00

Lab Sample ID: 580-76755-8
Matrix: Solid
Percent Solids: 39.7

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-99	0.10	C83	0.024	0.0011	ng/g	☼	04/27/18 08:13	05/08/18 17:54	1
PCB-100	0.0043	J C93 q	0.024	0.0011	ng/g	☼	04/27/18 08:13	05/08/18 17:54	1
PCB-101	0.16	C90	0.037	0.00092	ng/g	☼	04/27/18 08:13	05/08/18 17:54	1
PCB-102	0.0083	J C98	0.024	0.0011	ng/g	☼	04/27/18 08:13	05/08/18 17:54	1
PCB-103	0.0040	J q	0.012	0.0010	ng/g	☼	04/27/18 08:13	05/08/18 17:54	1
PCB-104	ND		0.012	0.00079	ng/g	☼	04/27/18 08:13	05/08/18 17:54	1
PCB-105	0.059		0.012	0.0024	ng/g	☼	04/27/18 08:13	05/08/18 17:54	1
PCB-106	ND		0.012	0.0025	ng/g	☼	04/27/18 08:13	05/08/18 17:54	1
PCB-107	0.012	q	0.012	0.0024	ng/g	☼	04/27/18 08:13	05/08/18 17:54	1
PCB-108	0.0086	J C	0.024	0.0025	ng/g	☼	04/27/18 08:13	05/08/18 17:54	1
PCB-109	0.098	C86	0.073	0.00091	ng/g	☼	04/27/18 08:13	05/08/18 17:54	1
PCB-110	0.18	C	0.024	0.00075	ng/g	☼	04/27/18 08:13	05/08/18 17:54	1
PCB-111	ND		0.012	0.00070	ng/g	☼	04/27/18 08:13	05/08/18 17:54	1
PCB-112	ND		0.012	0.00077	ng/g	☼	04/27/18 08:13	05/08/18 17:54	1
PCB-113	0.16	C90	0.037	0.00092	ng/g	☼	04/27/18 08:13	05/08/18 17:54	1
PCB-114	ND		0.012	0.0023	ng/g	☼	04/27/18 08:13	05/08/18 17:54	1
PCB-115	0.18	C110	0.024	0.00075	ng/g	☼	04/27/18 08:13	05/08/18 17:54	1
PCB-116	0.034	J C85	0.037	0.00086	ng/g	☼	04/27/18 08:13	05/08/18 17:54	1
PCB-117	0.034	J C85	0.037	0.00086	ng/g	☼	04/27/18 08:13	05/08/18 17:54	1
PCB-118	0.14	B	0.012	0.0023	ng/g	☼	04/27/18 08:13	05/08/18 17:54	1
PCB-119	0.098	C86	0.073	0.00091	ng/g	☼	04/27/18 08:13	05/08/18 17:54	1
PCB-120	ND		0.012	0.00069	ng/g	☼	04/27/18 08:13	05/08/18 17:54	1
PCB-121	ND		0.012	0.00075	ng/g	☼	04/27/18 08:13	05/08/18 17:54	1
PCB-122	ND		0.012	0.0028	ng/g	☼	04/27/18 08:13	05/08/18 17:54	1
PCB-123	0.0036	J	0.012	0.0022	ng/g	☼	04/27/18 08:13	05/08/18 17:54	1
PCB-124	0.0086	J C108	0.024	0.0025	ng/g	☼	04/27/18 08:13	05/08/18 17:54	1
PCB-125	0.098	C86	0.073	0.00091	ng/g	☼	04/27/18 08:13	05/08/18 17:54	1
PCB-126	ND		0.012	0.0025	ng/g	☼	04/27/18 08:13	05/08/18 17:54	1
PCB-127	ND		0.012	0.0024	ng/g	☼	04/27/18 08:13	05/08/18 17:54	1
PCB-128	0.041	C B q	0.024	0.00099	ng/g	☼	04/27/18 08:13	05/08/18 17:54	1
PCB-129	0.31	C B	0.049	0.0010	ng/g	☼	04/27/18 08:13	05/08/18 17:54	1
PCB-130	0.020	q	0.012	0.0013	ng/g	☼	04/27/18 08:13	05/08/18 17:54	1
PCB-131	ND		0.012	0.0014	ng/g	☼	04/27/18 08:13	05/08/18 17:54	1
PCB-132	0.082		0.012	0.0013	ng/g	☼	04/27/18 08:13	05/08/18 17:54	1
PCB-133	0.0067	J	0.012	0.0013	ng/g	☼	04/27/18 08:13	05/08/18 17:54	1
PCB-134	0.012	J C	0.024	0.0013	ng/g	☼	04/27/18 08:13	05/08/18 17:54	1
PCB-135	0.11	C	0.024	0.00016	ng/g	☼	04/27/18 08:13	05/08/18 17:54	1
PCB-136	0.038		0.012	0.00012	ng/g	☼	04/27/18 08:13	05/08/18 17:54	1
PCB-137	0.0089	J q	0.012	0.0011	ng/g	☼	04/27/18 08:13	05/08/18 17:54	1
PCB-138	0.31	B C129	0.049	0.0010	ng/g	☼	04/27/18 08:13	05/08/18 17:54	1
PCB-139	0.0035	J C q	0.024	0.0011	ng/g	☼	04/27/18 08:13	05/08/18 17:54	1
PCB-140	0.0035	J C139 q	0.024	0.0011	ng/g	☼	04/27/18 08:13	05/08/18 17:54	1
PCB-141	0.057		0.012	0.0012	ng/g	☼	04/27/18 08:13	05/08/18 17:54	1
PCB-142	ND		0.012	0.0013	ng/g	☼	04/27/18 08:13	05/08/18 17:54	1
PCB-143	0.012	J C134	0.024	0.0013	ng/g	☼	04/27/18 08:13	05/08/18 17:54	1
PCB-144	0.0086	J	0.012	0.00015	ng/g	☼	04/27/18 08:13	05/08/18 17:54	1
PCB-145	ND		0.012	0.00012	ng/g	☼	04/27/18 08:13	05/08/18 17:54	1
PCB-146	0.050		0.012	0.0011	ng/g	☼	04/27/18 08:13	05/08/18 17:54	1
PCB-147	0.22	C B	0.024	0.0011	ng/g	☼	04/27/18 08:13	05/08/18 17:54	1

Client Sample ID: PDI-SG-B267-BL1
Date Collected: 04/18/18 17:00
Date Received: 04/20/18 13:00

Lab Sample ID: 580-76755-8
Matrix: Solid
Percent Solids: 39.7

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-148	0.00088	J	0.012	0.00015	ng/g	☼	04/27/18 08:13	05/08/18 17:54	1
PCB-149	0.22	B C147	0.024	0.0011	ng/g	☼	04/27/18 08:13	05/08/18 17:54	1
PCB-150	ND		0.012	0.00010	ng/g	☼	04/27/18 08:13	05/08/18 17:54	1
PCB-151	0.11	C135	0.024	0.00016	ng/g	☼	04/27/18 08:13	05/08/18 17:54	1
PCB-152	ND		0.012	0.00011	ng/g	☼	04/27/18 08:13	05/08/18 17:54	1
PCB-153	0.28	C	0.024	0.00088	ng/g	☼	04/27/18 08:13	05/08/18 17:54	1
PCB-154	0.0018	J q	0.012	0.00013	ng/g	☼	04/27/18 08:13	05/08/18 17:54	1
PCB-155	ND		0.012	0.00011	ng/g	☼	04/27/18 08:13	05/08/18 17:54	1
PCB-156	0.033	C B	0.024	0.0010	ng/g	☼	04/27/18 08:13	05/08/18 17:54	1
PCB-157	0.033	C156 B	0.024	0.0010	ng/g	☼	04/27/18 08:13	05/08/18 17:54	1
PCB-158	0.027		0.012	0.00078	ng/g	☼	04/27/18 08:13	05/08/18 17:54	1
PCB-159	0.0067	J B	0.012	0.00081	ng/g	☼	04/27/18 08:13	05/08/18 17:54	1
PCB-160	0.31	B C129	0.049	0.0010	ng/g	☼	04/27/18 08:13	05/08/18 17:54	1
PCB-161	ND		0.012	0.00084	ng/g	☼	04/27/18 08:13	05/08/18 17:54	1
PCB-162	ND		0.012	0.00080	ng/g	☼	04/27/18 08:13	05/08/18 17:54	1
PCB-163	0.31	B C129	0.049	0.0010	ng/g	☼	04/27/18 08:13	05/08/18 17:54	1
PCB-164	0.021		0.012	0.00086	ng/g	☼	04/27/18 08:13	05/08/18 17:54	1
PCB-165	ND		0.012	0.00096	ng/g	☼	04/27/18 08:13	05/08/18 17:54	1
PCB-166	0.041	C128 B q	0.024	0.00099	ng/g	☼	04/27/18 08:13	05/08/18 17:54	1
PCB-167	0.012	B	0.012	0.00061	ng/g	☼	04/27/18 08:13	05/08/18 17:54	1
PCB-168	0.28	C153	0.024	0.00088	ng/g	☼	04/27/18 08:13	05/08/18 17:54	1
PCB-169	ND		0.012	0.00062	ng/g	☼	04/27/18 08:13	05/08/18 17:54	1
PCB-170	0.13		0.012	0.00012	ng/g	☼	04/27/18 08:13	05/08/18 17:54	1
PCB-171	0.039	C	0.024	0.00012	ng/g	☼	04/27/18 08:13	05/08/18 17:54	1
PCB-172	0.023		0.012	0.00012	ng/g	☼	04/27/18 08:13	05/08/18 17:54	1
PCB-173	0.039	C171	0.024	0.00012	ng/g	☼	04/27/18 08:13	05/08/18 17:54	1
PCB-174	0.14		0.012	0.00012	ng/g	☼	04/27/18 08:13	05/08/18 17:54	1
PCB-175	0.0047	J q	0.012	0.00011	ng/g	☼	04/27/18 08:13	05/08/18 17:54	1
PCB-176	0.015		0.012	0.000076	ng/g	☼	04/27/18 08:13	05/08/18 17:54	1
PCB-177	0.088		0.012	0.00012	ng/g	☼	04/27/18 08:13	05/08/18 17:54	1
PCB-178	0.022	q	0.012	0.00011	ng/g	☼	04/27/18 08:13	05/08/18 17:54	1
PCB-179	0.056		0.012	0.000084	ng/g	☼	04/27/18 08:13	05/08/18 17:54	1
PCB-180	0.31	C	0.024	0.000090	ng/g	☼	04/27/18 08:13	05/08/18 17:54	1
PCB-181	ND		0.012	0.00010	ng/g	☼	04/27/18 08:13	05/08/18 17:54	1
PCB-182	ND		0.012	0.000099	ng/g	☼	04/27/18 08:13	05/08/18 17:54	1
PCB-183	0.095	C	0.024	0.00010	ng/g	☼	04/27/18 08:13	05/08/18 17:54	1
PCB-184	ND		0.012	0.000085	ng/g	☼	04/27/18 08:13	05/08/18 17:54	1
PCB-185	0.095	C183	0.024	0.00010	ng/g	☼	04/27/18 08:13	05/08/18 17:54	1
PCB-186	ND		0.012	0.000081	ng/g	☼	04/27/18 08:13	05/08/18 17:54	1
PCB-187	0.17		0.012	0.00010	ng/g	☼	04/27/18 08:13	05/08/18 17:54	1
PCB-188	ND		0.012	0.000074	ng/g	☼	04/27/18 08:13	05/08/18 17:54	1
PCB-189	0.0054	J q	0.012	0.00089	ng/g	☼	04/27/18 08:13	05/08/18 17:54	1
PCB-190	0.025	q	0.012	0.000078	ng/g	☼	04/27/18 08:13	05/08/18 17:54	1
PCB-191	0.0078	J	0.012	0.000078	ng/g	☼	04/27/18 08:13	05/08/18 17:54	1
PCB-192	ND		0.012	0.000083	ng/g	☼	04/27/18 08:13	05/08/18 17:54	1
PCB-193	0.31	C180	0.024	0.000090	ng/g	☼	04/27/18 08:13	05/08/18 17:54	1
PCB-194	0.091	B	0.012	0.00096	ng/g	☼	04/27/18 08:13	05/08/18 17:54	1
PCB-195	0.037		0.012	0.0011	ng/g	☼	04/27/18 08:13	05/08/18 17:54	1
PCB-196	0.033	q	0.012	0.00059	ng/g	☼	04/27/18 08:13	05/08/18 17:54	1

Client Sample ID: PDI-SG-B267-BL1
Date Collected: 04/18/18 17:00
Date Received: 04/20/18 13:00

Lab Sample ID: 580-76755-8
Matrix: Solid
Percent Solids: 39.7

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-197	ND		0.012	0.00041	ng/g	☼	04/27/18 08:13	05/08/18 17:54	1
PCB-198	**0.094**	**C**	0.024	0.00063	ng/g	☼	04/27/18 08:13	05/08/18 17:54	1
PCB-199	**0.094**	**C198**	0.024	0.00063	ng/g	☼	04/27/18 08:13	05/08/18 17:54	1
PCB-200	**0.0041**	**J q**	0.012	0.00045	ng/g	☼	04/27/18 08:13	05/08/18 17:54	1
PCB-201	**0.013**		0.012	0.00044	ng/g	☼	04/27/18 08:13	05/08/18 17:54	1
PCB-202	**0.017**	**q**	0.012	0.00049	ng/g	☼	04/27/18 08:13	05/08/18 17:54	1
PCB-203	**0.059**		0.012	0.00056	ng/g	☼	04/27/18 08:13	05/08/18 17:54	1
PCB-204	ND		0.012	0.00045	ng/g	☼	04/27/18 08:13	05/08/18 17:54	1
PCB-205	**0.0038**	**J**	0.012	0.00072	ng/g	☼	04/27/18 08:13	05/08/18 17:54	1
PCB-206	**0.040**	**q**	0.012	0.0027	ng/g	☼	04/27/18 08:13	05/08/18 17:54	1
PCB-207	**0.0041**	**J q**	0.012	0.0018	ng/g	☼	04/27/18 08:13	05/08/18 17:54	1
PCB-208	**0.0095**	**J q**	0.012	0.0019	ng/g	☼	04/27/18 08:13	05/08/18 17:54	1
PCB-209	**0.036**	**B q**	0.012	0.000086	ng/g	☼	04/27/18 08:13	05/08/18 17:54	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
PCB-1L	*77*		*30 - 140*	*04/27/18 08:13*	*05/08/18 17:54*	*1*
PCB-3L	*74*		*30 - 140*	*04/27/18 08:13*	*05/08/18 17:54*	*1*
PCB-4L	*78*		*30 - 140*	*04/27/18 08:13*	*05/08/18 17:54*	*1*
PCB-15L	*77*		*30 - 140*	*04/27/18 08:13*	*05/08/18 17:54*	*1*
PCB-19L	*82*		*30 - 140*	*04/27/18 08:13*	*05/08/18 17:54*	*1*
PCB-37L	*85*		*30 - 140*	*04/27/18 08:13*	*05/08/18 17:54*	*1*
PCB-54L	*102*		*30 - 140*	*04/27/18 08:13*	*05/08/18 17:54*	*1*
PCB-77L	*84*		*30 - 140*	*04/27/18 08:13*	*05/08/18 17:54*	*1*
PCB-81L	*83*		*30 - 140*	*04/27/18 08:13*	*05/08/18 17:54*	*1*
PCB-104L	*91*		*30 - 140*	*04/27/18 08:13*	*05/08/18 17:54*	*1*
PCB-105L	*84*		*30 - 140*	*04/27/18 08:13*	*05/08/18 17:54*	*1*
PCB-114L	*83*		*30 - 140*	*04/27/18 08:13*	*05/08/18 17:54*	*1*
PCB-118L	*88*		*30 - 140*	*04/27/18 08:13*	*05/08/18 17:54*	*1*
PCB-123L	*87*		*30 - 140*	*04/27/18 08:13*	*05/08/18 17:54*	*1*
PCB-126L	*85*		*30 - 140*	*04/27/18 08:13*	*05/08/18 17:54*	*1*
PCB-155L	*99*		*30 - 140*	*04/27/18 08:13*	*05/08/18 17:54*	*1*
PCB-156L	*89*	*C*	*30 - 140*	*04/27/18 08:13*	*05/08/18 17:54*	*1*
PCB-157L	*89*	*C156*	*30 - 140*	*04/27/18 08:13*	*05/08/18 17:54*	*1*
PCB-167L	*86*		*30 - 140*	*04/27/18 08:13*	*05/08/18 17:54*	*1*
PCB-169L	*88*		*30 - 140*	*04/27/18 08:13*	*05/08/18 17:54*	*1*
PCB-170L	*82*		*30 - 140*	*04/27/18 08:13*	*05/08/18 17:54*	*1*
PCB-188L	*87*		*30 - 140*	*04/27/18 08:13*	*05/08/18 17:54*	*1*
PCB-189L	*104*		*30 - 140*	*04/27/18 08:13*	*05/08/18 17:54*	*1*
PCB-202L	*91*		*30 - 140*	*04/27/18 08:13*	*05/08/18 17:54*	*1*
PCB-205L	*80*		*30 - 140*	*04/27/18 08:13*	*05/08/18 17:54*	*1*
PCB-206L	*69*		*30 - 140*	*04/27/18 08:13*	*05/08/18 17:54*	*1*
PCB-208L	*70*		*30 - 140*	*04/27/18 08:13*	*05/08/18 17:54*	*1*
PCB-209L	*67*		*30 - 140*	*04/27/18 08:13*	*05/08/18 17:54*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
PCB-28L	*80*		*40 - 125*	*04/27/18 08:13*	*05/08/18 17:54*	*1*
PCB-111L	*93*		*40 - 125*	*04/27/18 08:13*	*05/08/18 17:54*	*1*
PCB-178L	*81*		*40 - 125*	*04/27/18 08:13*	*05/08/18 17:54*	*1*

Client Sample ID: PDI-SG-B180-BL1

Date Collected: 04/18/18 09:50
Date Received: 04/20/18 13:00

Lab Sample ID: 580-76755-9

Matrix: Solid
Percent Solids: 65.5

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1	0.0014	J q	0.010	0.00030	ng/g	☼	04/27/18 08:13	05/08/18 18:57	1
PCB-2	0.0048	J B	0.010	0.00034	ng/g	☼	04/27/18 08:13	05/08/18 18:57	1
PCB-3	0.0019	J q B	0.010	0.00040	ng/g	☼	04/27/18 08:13	05/08/18 18:57	1
PCB-4	0.0065	J q	0.020	0.00030	ng/g	☼	04/27/18 08:13	05/08/18 18:57	1
PCB-5	ND		0.010	0.00019	ng/g	☼	04/27/18 08:13	05/08/18 18:57	1
PCB-6	0.00056	J q	0.010	0.00019	ng/g	☼	04/27/18 08:13	05/08/18 18:57	1
PCB-7	0.00055	J q	0.010	0.00018	ng/g	☼	04/27/18 08:13	05/08/18 18:57	1
PCB-8	0.0051	J q B	0.020	0.00019	ng/g	☼	04/27/18 08:13	05/08/18 18:57	1
PCB-9	ND		0.010	0.00021	ng/g	☼	04/27/18 08:13	05/08/18 18:57	1
PCB-10	ND		0.010	0.00021	ng/g	☼	04/27/18 08:13	05/08/18 18:57	1
PCB-11	0.016	J B	0.020	0.00018	ng/g	☼	04/27/18 08:13	05/08/18 18:57	1
PCB-12	0.00079	J q C B	0.020	0.00018	ng/g	☼	04/27/18 08:13	05/08/18 18:57	1
PCB-13	0.00079	J q C12 B	0.020	0.00018	ng/g	☼	04/27/18 08:13	05/08/18 18:57	1
PCB-14	ND		0.010	0.00016	ng/g	☼	04/27/18 08:13	05/08/18 18:57	1
PCB-15	0.0067	J	0.010	0.00018	ng/g	☼	04/27/18 08:13	05/08/18 18:57	1
PCB-16	0.0013	J q	0.010	0.00012	ng/g	☼	04/27/18 08:13	05/08/18 18:57	1
PCB-17	0.0054	J q	0.010	0.000090	ng/g	☼	04/27/18 08:13	05/08/18 18:57	1
PCB-18	0.0084	J q C	0.020	0.000080	ng/g	☼	04/27/18 08:13	05/08/18 18:57	1
PCB-19	0.0072	J q	0.010	0.00011	ng/g	☼	04/27/18 08:13	05/08/18 18:57	1
PCB-20	0.031	C B	0.020	0.00073	ng/g	☼	04/27/18 08:13	05/08/18 18:57	1
PCB-21	0.011	J C B	0.020	0.00068	ng/g	☼	04/27/18 08:13	05/08/18 18:57	1
PCB-22	0.0078	J B	0.010	0.00074	ng/g	☼	04/27/18 08:13	05/08/18 18:57	1
PCB-23	ND		0.010	0.00073	ng/g	☼	04/27/18 08:13	05/08/18 18:57	1
PCB-24	ND		0.010	0.000069	ng/g	☼	04/27/18 08:13	05/08/18 18:57	1
PCB-25	0.0029	J q B	0.010	0.00070	ng/g	☼	04/27/18 08:13	05/08/18 18:57	1
PCB-26	0.0049	J C B	0.020	0.00073	ng/g	☼	04/27/18 08:13	05/08/18 18:57	1
PCB-27	0.0014	J q	0.010	0.000068	ng/g	☼	04/27/18 08:13	05/08/18 18:57	1
PCB-28	0.031	C20 B	0.020	0.00073	ng/g	☼	04/27/18 08:13	05/08/18 18:57	1
PCB-29	0.0049	J C26 B	0.020	0.00073	ng/g	☼	04/27/18 08:13	05/08/18 18:57	1
PCB-30	0.0084	J q C18	0.020	0.000080	ng/g	☼	04/27/18 08:13	05/08/18 18:57	1
PCB-31	0.021	B	0.020	0.00067	ng/g	☼	04/27/18 08:13	05/08/18 18:57	1
PCB-32	0.0065	J	0.010	0.000062	ng/g	☼	04/27/18 08:13	05/08/18 18:57	1
PCB-33	0.011	J C21 B	0.020	0.00068	ng/g	☼	04/27/18 08:13	05/08/18 18:57	1
PCB-34	ND		0.010	0.00075	ng/g	☼	04/27/18 08:13	05/08/18 18:57	1
PCB-35	ND		0.010	0.00072	ng/g	☼	04/27/18 08:13	05/08/18 18:57	1
PCB-36	ND		0.010	0.00065	ng/g	☼	04/27/18 08:13	05/08/18 18:57	1
PCB-37	0.0094	J	0.010	0.00068	ng/g	☼	04/27/18 08:13	05/08/18 18:57	1
PCB-38	ND		0.010	0.00071	ng/g	☼	04/27/18 08:13	05/08/18 18:57	1
PCB-39	ND		0.010	0.00065	ng/g	☼	04/27/18 08:13	05/08/18 18:57	1
PCB-40	0.019	J q C	0.030	0.0010	ng/g	☼	04/27/18 08:13	05/08/18 18:57	1
PCB-41	0.019	J q C40	0.030	0.0010	ng/g	☼	04/27/18 08:13	05/08/18 18:57	1
PCB-42	0.0096	J q	0.010	0.0010	ng/g	☼	04/27/18 08:13	05/08/18 18:57	1
PCB-43	ND	C	0.020	0.00092	ng/g	☼	04/27/18 08:13	05/08/18 18:57	1
PCB-44	0.063	C B	0.030	0.00091	ng/g	☼	04/27/18 08:13	05/08/18 18:57	1
PCB-45	0.015	J C	0.020	0.0011	ng/g	☼	04/27/18 08:13	05/08/18 18:57	1
PCB-46	ND		0.010	0.0012	ng/g	☼	04/27/18 08:13	05/08/18 18:57	1
PCB-47	0.063	C44 B	0.030	0.00091	ng/g	☼	04/27/18 08:13	05/08/18 18:57	1
PCB-48	0.0059	J	0.010	0.00097	ng/g	☼	04/27/18 08:13	05/08/18 18:57	1
PCB-49	0.036	C	0.020	0.00081	ng/g	☼	04/27/18 08:13	05/08/18 18:57	1

Client Sample ID: PDI-SG-B180-BL1
Date Collected: 04/18/18 09:50
Date Received: 04/20/18 13:00

Lab Sample ID: 580-76755-9
Matrix: Solid
Percent Solids: 65.5

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-50	0.011	J q C	0.020	0.0010	ng/g	☼	04/27/18 08:13	05/08/18 18:57	1
PCB-51	0.015	J C45	0.020	0.0011	ng/g	☼	04/27/18 08:13	05/08/18 18:57	1
PCB-52	0.069		0.010	0.0011	ng/g	☼	04/27/18 08:13	05/08/18 18:57	1
PCB-53	0.011	J q C50	0.020	0.0010	ng/g	☼	04/27/18 08:13	05/08/18 18:57	1
PCB-54	0.0014	J q	0.010	0.000094	ng/g	☼	04/27/18 08:13	05/08/18 18:57	1
PCB-55	ND		0.010	0.00069	ng/g	☼	04/27/18 08:13	05/08/18 18:57	1
PCB-56	0.018		0.010	0.00070	ng/g	☼	04/27/18 08:13	05/08/18 18:57	1
PCB-57	ND		0.010	0.00071	ng/g	☼	04/27/18 08:13	05/08/18 18:57	1
PCB-58	ND		0.010	0.00068	ng/g	☼	04/27/18 08:13	05/08/18 18:57	1
PCB-59	0.0030	J C	0.030	0.00069	ng/g	☼	04/27/18 08:13	05/08/18 18:57	1
PCB-60	0.0060	J q	0.010	0.00069	ng/g	☼	04/27/18 08:13	05/08/18 18:57	1
PCB-61	0.073	C B	0.040	0.00067	ng/g	☼	04/27/18 08:13	05/08/18 18:57	1
PCB-62	0.0030	J C59	0.030	0.00069	ng/g	☼	04/27/18 08:13	05/08/18 18:57	1
PCB-63	0.0024	J	0.010	0.00061	ng/g	☼	04/27/18 08:13	05/08/18 18:57	1
PCB-64	0.017		0.010	0.00064	ng/g	☼	04/27/18 08:13	05/08/18 18:57	1
PCB-65	0.063	C44 B	0.030	0.00091	ng/g	☼	04/27/18 08:13	05/08/18 18:57	1
PCB-66	0.042		0.010	0.00067	ng/g	☼	04/27/18 08:13	05/08/18 18:57	1
PCB-67	ND		0.010	0.00065	ng/g	☼	04/27/18 08:13	05/08/18 18:57	1
PCB-68	0.0012	J	0.010	0.00061	ng/g	☼	04/27/18 08:13	05/08/18 18:57	1
PCB-69	0.036	C49	0.020	0.00081	ng/g	☼	04/27/18 08:13	05/08/18 18:57	1
PCB-70	0.073	C61 B	0.040	0.00067	ng/g	☼	04/27/18 08:13	05/08/18 18:57	1
PCB-71	0.019	J q C40	0.030	0.0010	ng/g	☼	04/27/18 08:13	05/08/18 18:57	1
PCB-72	ND		0.010	0.00069	ng/g	☼	04/27/18 08:13	05/08/18 18:57	1
PCB-73	ND	C43	0.020	0.00092	ng/g	☼	04/27/18 08:13	05/08/18 18:57	1
PCB-74	0.073	C61 B	0.040	0.00067	ng/g	☼	04/27/18 08:13	05/08/18 18:57	1
PCB-75	0.0030	J C59	0.030	0.00069	ng/g	☼	04/27/18 08:13	05/08/18 18:57	1
PCB-76	0.073	C61 B	0.040	0.00067	ng/g	☼	04/27/18 08:13	05/08/18 18:57	1
PCB-77	0.0059	J	0.010	0.00064	ng/g	☼	04/27/18 08:13	05/08/18 18:57	1
PCB-78	ND		0.010	0.00068	ng/g	☼	04/27/18 08:13	05/08/18 18:57	1
PCB-79	0.00092	J q	0.010	0.00058	ng/g	☼	04/27/18 08:13	05/08/18 18:57	1
PCB-80	ND		0.010	0.00060	ng/g	☼	04/27/18 08:13	05/08/18 18:57	1
PCB-81	ND		0.010	0.00064	ng/g	☼	04/27/18 08:13	05/08/18 18:57	1
PCB-82	0.013		0.010	0.0013	ng/g	☼	04/27/18 08:13	05/08/18 18:57	1
PCB-83	0.071	q C	0.020	0.0013	ng/g	☼	04/27/18 08:13	05/08/18 18:57	1
PCB-84	0.027		0.010	0.0014	ng/g	☼	04/27/18 08:13	05/08/18 18:57	1
PCB-85	0.021	J C	0.030	0.00095	ng/g	☼	04/27/18 08:13	05/08/18 18:57	1
PCB-86	0.068	C	0.060	0.0010	ng/g	☼	04/27/18 08:13	05/08/18 18:57	1
PCB-87	0.068	C86	0.060	0.0010	ng/g	☼	04/27/18 08:13	05/08/18 18:57	1
PCB-88	0.019	J q C	0.020	0.0012	ng/g	☼	04/27/18 08:13	05/08/18 18:57	1
PCB-89	ND		0.010	0.0013	ng/g	☼	04/27/18 08:13	05/08/18 18:57	1
PCB-90	0.12	C	0.030	0.0010	ng/g	☼	04/27/18 08:13	05/08/18 18:57	1
PCB-91	0.019	J q C88	0.020	0.0012	ng/g	☼	04/27/18 08:13	05/08/18 18:57	1
PCB-92	0.021	q	0.010	0.0012	ng/g	☼	04/27/18 08:13	05/08/18 18:57	1
PCB-93	0.0062	J q C	0.020	0.0012	ng/g	☼	04/27/18 08:13	05/08/18 18:57	1
PCB-94	ND		0.010	0.0013	ng/g	☼	04/27/18 08:13	05/08/18 18:57	1
PCB-95	0.097		0.010	0.0013	ng/g	☼	04/27/18 08:13	05/08/18 18:57	1
PCB-96	0.0011	J q	0.010	0.00097	ng/g	☼	04/27/18 08:13	05/08/18 18:57	1
PCB-97	0.068	C86	0.060	0.0010	ng/g	☼	04/27/18 08:13	05/08/18 18:57	1
PCB-98	ND	C	0.020	0.0012	ng/g	☼	04/27/18 08:13	05/08/18 18:57	1

Client Sample ID: PDI-SG-B180-BL1
Date Collected: 04/18/18 09:50
Date Received: 04/20/18 13:00

Lab Sample ID: 580-76755-9
Matrix: Solid
Percent Solids: 65.5

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-99	0.071	q C83	0.020	0.0013	ng/g	☼	04/27/18 08:13	05/08/18 18:57	1
PCB-100	0.0062	J q C93	0.020	0.0012	ng/g	☼	04/27/18 08:13	05/08/18 18:57	1
PCB-101	0.12	C90	0.030	0.0010	ng/g	☼	04/27/18 08:13	05/08/18 18:57	1
PCB-102	ND	C98	0.020	0.0012	ng/g	☼	04/27/18 08:13	05/08/18 18:57	1
PCB-103	0.0066	J	0.010	0.0011	ng/g	☼	04/27/18 08:13	05/08/18 18:57	1
PCB-104	ND		0.010	0.00087	ng/g	☼	04/27/18 08:13	05/08/18 18:57	1
PCB-105	0.033		0.010	0.0011	ng/g	☼	04/27/18 08:13	05/08/18 18:57	1
PCB-106	ND		0.010	0.0012	ng/g	☼	04/27/18 08:13	05/08/18 18:57	1
PCB-107	0.0076	J q	0.010	0.0011	ng/g	☼	04/27/18 08:13	05/08/18 18:57	1
PCB-108	0.0038	J C	0.020	0.0012	ng/g	☼	04/27/18 08:13	05/08/18 18:57	1
PCB-109	0.068	C86	0.060	0.0010	ng/g	☼	04/27/18 08:13	05/08/18 18:57	1
PCB-110	0.12	C	0.020	0.00083	ng/g	☼	04/27/18 08:13	05/08/18 18:57	1
PCB-111	ND		0.010	0.00077	ng/g	☼	04/27/18 08:13	05/08/18 18:57	1
PCB-112	ND		0.010	0.00085	ng/g	☼	04/27/18 08:13	05/08/18 18:57	1
PCB-113	0.12	C90	0.030	0.0010	ng/g	☼	04/27/18 08:13	05/08/18 18:57	1
PCB-114	ND	q	0.010	0.0011	ng/g	☼	04/27/18 08:13	05/08/18 18:57	1
PCB-115	0.12	C110	0.020	0.00083	ng/g	☼	04/27/18 08:13	05/08/18 18:57	1
PCB-116	0.021	J C85	0.030	0.00095	ng/g	☼	04/27/18 08:13	05/08/18 18:57	1
PCB-117	0.021	J C85	0.030	0.00095	ng/g	☼	04/27/18 08:13	05/08/18 18:57	1
PCB-118	0.087	B	0.010	0.0011	ng/g	☼	04/27/18 08:13	05/08/18 18:57	1
PCB-119	0.068	C86	0.060	0.0010	ng/g	☼	04/27/18 08:13	05/08/18 18:57	1
PCB-120	ND		0.010	0.00076	ng/g	☼	04/27/18 08:13	05/08/18 18:57	1
PCB-121	ND		0.010	0.00083	ng/g	☼	04/27/18 08:13	05/08/18 18:57	1
PCB-122	ND		0.010	0.0013	ng/g	☼	04/27/18 08:13	05/08/18 18:57	1
PCB-123	0.0012	J q	0.010	0.0010	ng/g	☼	04/27/18 08:13	05/08/18 18:57	1
PCB-124	0.0038	J C108	0.020	0.0012	ng/g	☼	04/27/18 08:13	05/08/18 18:57	1
PCB-125	0.068	C86	0.060	0.0010	ng/g	☼	04/27/18 08:13	05/08/18 18:57	1
PCB-126	ND		0.010	0.0011	ng/g	☼	04/27/18 08:13	05/08/18 18:57	1
PCB-127	ND		0.010	0.0011	ng/g	☼	04/27/18 08:13	05/08/18 18:57	1
PCB-128	ND	C	0.020	0.0014	ng/g	☼	04/27/18 08:13	05/08/18 18:57	1
PCB-129	0.17	C B	0.040	0.0014	ng/g	☼	04/27/18 08:13	05/08/18 18:57	1
PCB-130	0.014		0.010	0.0019	ng/g	☼	04/27/18 08:13	05/08/18 18:57	1
PCB-131	ND		0.010	0.0019	ng/g	☼	04/27/18 08:13	05/08/18 18:57	1
PCB-132	0.050		0.010	0.0018	ng/g	☼	04/27/18 08:13	05/08/18 18:57	1
PCB-133	0.0038	J	0.010	0.0018	ng/g	☼	04/27/18 08:13	05/08/18 18:57	1
PCB-134	0.014	J C	0.020	0.0019	ng/g	☼	04/27/18 08:13	05/08/18 18:57	1
PCB-135	0.057	q C	0.020	0.00018	ng/g	☼	04/27/18 08:13	05/08/18 18:57	1
PCB-136	0.021		0.010	0.00013	ng/g	☼	04/27/18 08:13	05/08/18 18:57	1
PCB-137	0.0050	J q	0.010	0.0015	ng/g	☼	04/27/18 08:13	05/08/18 18:57	1
PCB-138	0.17	C129 B	0.040	0.0014	ng/g	☼	04/27/18 08:13	05/08/18 18:57	1
PCB-139	ND	C	0.020	0.0016	ng/g	☼	04/27/18 08:13	05/08/18 18:57	1
PCB-140	ND	C139	0.020	0.0016	ng/g	☼	04/27/18 08:13	05/08/18 18:57	1
PCB-141	0.032		0.010	0.0017	ng/g	☼	04/27/18 08:13	05/08/18 18:57	1
PCB-142	ND		0.010	0.0018	ng/g	☼	04/27/18 08:13	05/08/18 18:57	1
PCB-143	0.014	J C134	0.020	0.0019	ng/g	☼	04/27/18 08:13	05/08/18 18:57	1
PCB-144	0.0062	J	0.010	0.00017	ng/g	☼	04/27/18 08:13	05/08/18 18:57	1
PCB-145	ND		0.010	0.00013	ng/g	☼	04/27/18 08:13	05/08/18 18:57	1
PCB-146	0.034		0.010	0.0015	ng/g	☼	04/27/18 08:13	05/08/18 18:57	1
PCB-147	0.15	C B	0.020	0.0016	ng/g	☼	04/27/18 08:13	05/08/18 18:57	1

Client Sample ID: PDI-SG-B180-BL1
Date Collected: 04/18/18 09:50
Date Received: 04/20/18 13:00

Lab Sample ID: 580-76755-9
Matrix: Solid
Percent Solids: 65.5

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-148	ND		0.010	0.00018	ng/g	☼	04/27/18 08:13	05/08/18 18:57	1
PCB-149	**0.15**	**C147 B**	0.020	0.0016	ng/g	☼	04/27/18 08:13	05/08/18 18:57	1
PCB-150	ND		0.010	0.00012	ng/g	☼	04/27/18 08:13	05/08/18 18:57	1
PCB-151	**0.057**	**q C135**	0.020	0.00018	ng/g	☼	04/27/18 08:13	05/08/18 18:57	1
PCB-152	ND		0.010	0.00013	ng/g	☼	04/27/18 08:13	05/08/18 18:57	1
PCB-153	**0.16**	**C**	0.020	0.0012	ng/g	☼	04/27/18 08:13	05/08/18 18:57	1
PCB-154	**0.0052**	**J**	0.010	0.00015	ng/g	☼	04/27/18 08:13	05/08/18 18:57	1
PCB-155	ND		0.010	0.00012	ng/g	☼	04/27/18 08:13	05/08/18 18:57	1
PCB-156	**0.016**	**J C B**	0.020	0.0015	ng/g	☼	04/27/18 08:13	05/08/18 18:57	1
PCB-157	**0.016**	**J C156 B**	0.020	0.0015	ng/g	☼	04/27/18 08:13	05/08/18 18:57	1
PCB-158	**0.016**		0.010	0.0011	ng/g	☼	04/27/18 08:13	05/08/18 18:57	1
PCB-159	**0.0014**	**J q B**	0.010	0.0011	ng/g	☼	04/27/18 08:13	05/08/18 18:57	1
PCB-160	**0.17**	**C129 B**	0.040	0.0014	ng/g	☼	04/27/18 08:13	05/08/18 18:57	1
PCB-161	ND		0.010	0.0012	ng/g	☼	04/27/18 08:13	05/08/18 18:57	1
PCB-162	ND		0.010	0.0011	ng/g	☼	04/27/18 08:13	05/08/18 18:57	1
PCB-163	**0.17**	**C129 B**	0.040	0.0014	ng/g	☼	04/27/18 08:13	05/08/18 18:57	1
PCB-164	**0.012**		0.010	0.0012	ng/g	☼	04/27/18 08:13	05/08/18 18:57	1
PCB-165	ND		0.010	0.0013	ng/g	☼	04/27/18 08:13	05/08/18 18:57	1
PCB-166	ND	C128	0.020	0.0014	ng/g	☼	04/27/18 08:13	05/08/18 18:57	1
PCB-167	**0.0043**	**J q B**	0.010	0.00084	ng/g	☼	04/27/18 08:13	05/08/18 18:57	1
PCB-168	**0.16**	**C153**	0.020	0.0012	ng/g	☼	04/27/18 08:13	05/08/18 18:57	1
PCB-169	ND		0.010	0.00088	ng/g	☼	04/27/18 08:13	05/08/18 18:57	1
PCB-170	**0.057**		0.010	0.00032	ng/g	☼	04/27/18 08:13	05/08/18 18:57	1
PCB-171	**0.015**	**J q C**	0.020	0.00032	ng/g	☼	04/27/18 08:13	05/08/18 18:57	1
PCB-172	**0.0061**	**J q**	0.010	0.00031	ng/g	☼	04/27/18 08:13	05/08/18 18:57	1
PCB-173	**0.015**	**J q C171**	0.020	0.00032	ng/g	☼	04/27/18 08:13	05/08/18 18:57	1
PCB-174	**0.060**		0.010	0.00032	ng/g	☼	04/27/18 08:13	05/08/18 18:57	1
PCB-175	**0.0036**	**J q**	0.010	0.00029	ng/g	☼	04/27/18 08:13	05/08/18 18:57	1
PCB-176	**0.0040**	**J q**	0.010	0.00020	ng/g	☼	04/27/18 08:13	05/08/18 18:57	1
PCB-177	**0.036**		0.010	0.00033	ng/g	☼	04/27/18 08:13	05/08/18 18:57	1
PCB-178	**0.015**		0.010	0.00030	ng/g	☼	04/27/18 08:13	05/08/18 18:57	1
PCB-179	**0.028**		0.010	0.00022	ng/g	☼	04/27/18 08:13	05/08/18 18:57	1
PCB-180	**0.12**	**C**	0.020	0.00024	ng/g	☼	04/27/18 08:13	05/08/18 18:57	1
PCB-181	ND		0.010	0.00028	ng/g	☼	04/27/18 08:13	05/08/18 18:57	1
PCB-182	ND		0.010	0.00026	ng/g	☼	04/27/18 08:13	05/08/18 18:57	1
PCB-183	**0.035**	**C**	0.020	0.00027	ng/g	☼	04/27/18 08:13	05/08/18 18:57	1
PCB-184	ND		0.010	0.00023	ng/g	☼	04/27/18 08:13	05/08/18 18:57	1
PCB-185	**0.035**	**C183**	0.020	0.00027	ng/g	☼	04/27/18 08:13	05/08/18 18:57	1
PCB-186	ND		0.010	0.00022	ng/g	☼	04/27/18 08:13	05/08/18 18:57	1
PCB-187	**0.082**		0.010	0.00027	ng/g	☼	04/27/18 08:13	05/08/18 18:57	1
PCB-188	ND		0.010	0.00020	ng/g	☼	04/27/18 08:13	05/08/18 18:57	1
PCB-189	**0.0018**	**J**	0.010	0.00034	ng/g	☼	04/27/18 08:13	05/08/18 18:57	1
PCB-190	**0.0090**	**J q**	0.010	0.00021	ng/g	☼	04/27/18 08:13	05/08/18 18:57	1
PCB-191	ND		0.010	0.00021	ng/g	☼	04/27/18 08:13	05/08/18 18:57	1
PCB-192	ND		0.010	0.00022	ng/g	☼	04/27/18 08:13	05/08/18 18:57	1
PCB-193	**0.12**	**C180**	0.020	0.00024	ng/g	☼	04/27/18 08:13	05/08/18 18:57	1
PCB-194	**0.030**	**B**	0.010	0.00028	ng/g	☼	04/27/18 08:13	05/08/18 18:57	1
PCB-195	**0.011**		0.010	0.00031	ng/g	☼	04/27/18 08:13	05/08/18 18:57	1
PCB-196	**0.012**		0.010	0.00016	ng/g	☼	04/27/18 08:13	05/08/18 18:57	1

Client Sample ID: PDI-SG-B180-BL1
Date Collected: 04/18/18 09:50
Date Received: 04/20/18 13:00

Lab Sample ID: 580-76755-9
Matrix: Solid
Percent Solids: 65.5

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-197	ND		0.010	0.00011	ng/g	☼	04/27/18 08:13	05/08/18 18:57	1
PCB-198	**0.025**	**C**	0.020	0.00017	ng/g	☼	04/27/18 08:13	05/08/18 18:57	1
PCB-199	**0.025**	**C198**	0.020	0.00017	ng/g	☼	04/27/18 08:13	05/08/18 18:57	1
PCB-200	**0.0028**	**J q**	0.010	0.00012	ng/g	☼	04/27/18 08:13	05/08/18 18:57	1
PCB-201	**0.0026**	**J q**	0.010	0.00012	ng/g	☼	04/27/18 08:13	05/08/18 18:57	1
PCB-202	**0.0081**	**J**	0.010	0.00013	ng/g	☼	04/27/18 08:13	05/08/18 18:57	1
PCB-203	**0.013**	**q**	0.010	0.00015	ng/g	☼	04/27/18 08:13	05/08/18 18:57	1
PCB-204	ND		0.010	0.00012	ng/g	☼	04/27/18 08:13	05/08/18 18:57	1
PCB-205	**0.0023**	**J**	0.010	0.00021	ng/g	☼	04/27/18 08:13	05/08/18 18:57	1
PCB-206	**0.027**	**q**	0.010	0.0020	ng/g	☼	04/27/18 08:13	05/08/18 18:57	1
PCB-207	**0.0032**	**J q**	0.010	0.0014	ng/g	☼	04/27/18 08:13	05/08/18 18:57	1
PCB-208	**0.0067**	**J**	0.010	0.0015	ng/g	☼	04/27/18 08:13	05/08/18 18:57	1
PCB-209	**0.018**	**B**	0.010	0.00011	ng/g	☼	04/27/18 08:13	05/08/18 18:57	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
PCB-1L	*84*		*30 - 140*	*04/27/18 08:13*	*05/08/18 18:57*	*1*
PCB-3L	*78*		*30 - 140*	*04/27/18 08:13*	*05/08/18 18:57*	*1*
PCB-4L	*80*		*30 - 140*	*04/27/18 08:13*	*05/08/18 18:57*	*1*
PCB-15L	*89*		*30 - 140*	*04/27/18 08:13*	*05/08/18 18:57*	*1*
PCB-19L	*77*		*30 - 140*	*04/27/18 08:13*	*05/08/18 18:57*	*1*
PCB-37L	*85*		*30 - 140*	*04/27/18 08:13*	*05/08/18 18:57*	*1*
PCB-54L	*104*		*30 - 140*	*04/27/18 08:13*	*05/08/18 18:57*	*1*
PCB-77L	*90*		*30 - 140*	*04/27/18 08:13*	*05/08/18 18:57*	*1*
PCB-81L	*91*		*30 - 140*	*04/27/18 08:13*	*05/08/18 18:57*	*1*
PCB-104L	*83*		*30 - 140*	*04/27/18 08:13*	*05/08/18 18:57*	*1*
PCB-105L	*83*		*30 - 140*	*04/27/18 08:13*	*05/08/18 18:57*	*1*
PCB-114L	*82*		*30 - 140*	*04/27/18 08:13*	*05/08/18 18:57*	*1*
PCB-118L	*85*		*30 - 140*	*04/27/18 08:13*	*05/08/18 18:57*	*1*
PCB-123L	*85*		*30 - 140*	*04/27/18 08:13*	*05/08/18 18:57*	*1*
PCB-126L	*89*		*30 - 140*	*04/27/18 08:13*	*05/08/18 18:57*	*1*
PCB-155L	*100*		*30 - 140*	*04/27/18 08:13*	*05/08/18 18:57*	*1*
PCB-156L	*87*	*C*	*30 - 140*	*04/27/18 08:13*	*05/08/18 18:57*	*1*
PCB-157L	*87*	*C156*	*30 - 140*	*04/27/18 08:13*	*05/08/18 18:57*	*1*
PCB-167L	*88*		*30 - 140*	*04/27/18 08:13*	*05/08/18 18:57*	*1*
PCB-169L	*87*		*30 - 140*	*04/27/18 08:13*	*05/08/18 18:57*	*1*
PCB-170L	*86*		*30 - 140*	*04/27/18 08:13*	*05/08/18 18:57*	*1*
PCB-188L	*93*		*30 - 140*	*04/27/18 08:13*	*05/08/18 18:57*	*1*
PCB-189L	*104*		*30 - 140*	*04/27/18 08:13*	*05/08/18 18:57*	*1*
PCB-202L	*107*		*30 - 140*	*04/27/18 08:13*	*05/08/18 18:57*	*1*
PCB-205L	*80*		*30 - 140*	*04/27/18 08:13*	*05/08/18 18:57*	*1*
PCB-206L	*68*		*30 - 140*	*04/27/18 08:13*	*05/08/18 18:57*	*1*
PCB-208L	*68*		*30 - 140*	*04/27/18 08:13*	*05/08/18 18:57*	*1*
PCB-209L	*62*		*30 - 140*	*04/27/18 08:13*	*05/08/18 18:57*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
PCB-28L	*80*		*40 - 125*	*04/27/18 08:13*	*05/08/18 18:57*	*1*
PCB-111L	*87*		*40 - 125*	*04/27/18 08:13*	*05/08/18 18:57*	*1*
PCB-178L	*90*		*40 - 125*	*04/27/18 08:13*	*05/08/18 18:57*	*1*

Client Sample ID: PDI-SG-B184-BL1

Date Collected: 04/18/18 11:05
Date Received: 04/20/18 13:00

Lab Sample ID: 580-76755-10

Matrix: Solid
Percent Solids: 72.4

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1	0.0020	J	0.0097	0.00016	ng/g	☼	04/27/18 08:13	05/08/18 20:01	1
PCB-2	0.0018	J q B	0.0097	0.00017	ng/g	☼	04/27/18 08:13	05/08/18 20:01	1
PCB-3	0.0023	J q B	0.0097	0.00019	ng/g	☼	04/27/18 08:13	05/08/18 20:01	1
PCB-4	0.0026	J q	0.019	0.00066	ng/g	☼	04/27/18 08:13	05/08/18 20:01	1
PCB-5	ND		0.0097	0.00044	ng/g	☼	04/27/18 08:13	05/08/18 20:01	1
PCB-6	ND		0.0097	0.00043	ng/g	☼	04/27/18 08:13	05/08/18 20:01	1
PCB-7	ND		0.0097	0.00041	ng/g	☼	04/27/18 08:13	05/08/18 20:01	1
PCB-8	0.0019	J q B	0.019	0.00042	ng/g	☼	04/27/18 08:13	05/08/18 20:01	1
PCB-9	ND		0.0097	0.00048	ng/g	☼	04/27/18 08:13	05/08/18 20:01	1
PCB-10	ND		0.0097	0.00047	ng/g	☼	04/27/18 08:13	05/08/18 20:01	1
PCB-11	0.0066	J q B	0.019	0.00040	ng/g	☼	04/27/18 08:13	05/08/18 20:01	1
PCB-12	0.00085	J q C B	0.019	0.00040	ng/g	☼	04/27/18 08:13	05/08/18 20:01	1
PCB-13	0.00085	J q C12 B	0.019	0.00040	ng/g	☼	04/27/18 08:13	05/08/18 20:01	1
PCB-14	ND		0.0097	0.00037	ng/g	☼	04/27/18 08:13	05/08/18 20:01	1
PCB-15	0.0036	J	0.0097	0.00042	ng/g	☼	04/27/18 08:13	05/08/18 20:01	1
PCB-16	0.0020	J	0.0097	0.00012	ng/g	☼	04/27/18 08:13	05/08/18 20:01	1
PCB-17	ND		0.0097	0.000092	ng/g	☼	04/27/18 08:13	05/08/18 20:01	1
PCB-18	0.0028	J C	0.019	0.000081	ng/g	☼	04/27/18 08:13	05/08/18 20:01	1
PCB-19	ND		0.0097	0.00011	ng/g	☼	04/27/18 08:13	05/08/18 20:01	1
PCB-20	0.012	J C B	0.019	0.00035	ng/g	☼	04/27/18 08:13	05/08/18 20:01	1
PCB-21	0.0036	J C B	0.019	0.00033	ng/g	☼	04/27/18 08:13	05/08/18 20:01	1
PCB-22	0.0028	J B	0.0097	0.00036	ng/g	☼	04/27/18 08:13	05/08/18 20:01	1
PCB-23	ND		0.0097	0.00035	ng/g	☼	04/27/18 08:13	05/08/18 20:01	1
PCB-24	ND		0.0097	0.000070	ng/g	☼	04/27/18 08:13	05/08/18 20:01	1
PCB-25	0.0016	J B	0.0097	0.00034	ng/g	☼	04/27/18 08:13	05/08/18 20:01	1
PCB-26	0.0025	J C B	0.019	0.00035	ng/g	☼	04/27/18 08:13	05/08/18 20:01	1
PCB-27	0.0011	J q	0.0097	0.000069	ng/g	☼	04/27/18 08:13	05/08/18 20:01	1
PCB-28	0.012	J C20 B	0.019	0.00035	ng/g	☼	04/27/18 08:13	05/08/18 20:01	1
PCB-29	0.0025	J C26 B	0.019	0.00035	ng/g	☼	04/27/18 08:13	05/08/18 20:01	1
PCB-30	0.0028	J C18	0.019	0.000081	ng/g	☼	04/27/18 08:13	05/08/18 20:01	1
PCB-31	0.0074	J q B	0.019	0.00033	ng/g	☼	04/27/18 08:13	05/08/18 20:01	1
PCB-32	0.0011	J q	0.0097	0.000063	ng/g	☼	04/27/18 08:13	05/08/18 20:01	1
PCB-33	0.0036	J C21 B	0.019	0.00033	ng/g	☼	04/27/18 08:13	05/08/18 20:01	1
PCB-34	ND		0.0097	0.00037	ng/g	☼	04/27/18 08:13	05/08/18 20:01	1
PCB-35	ND		0.0097	0.00035	ng/g	☼	04/27/18 08:13	05/08/18 20:01	1
PCB-36	ND		0.0097	0.00032	ng/g	☼	04/27/18 08:13	05/08/18 20:01	1
PCB-37	0.0039	J q	0.0097	0.00033	ng/g	☼	04/27/18 08:13	05/08/18 20:01	1
PCB-38	ND		0.0097	0.00034	ng/g	☼	04/27/18 08:13	05/08/18 20:01	1
PCB-39	ND		0.0097	0.00031	ng/g	☼	04/27/18 08:13	05/08/18 20:01	1
PCB-40	0.011	J C	0.029	0.00043	ng/g	☼	04/27/18 08:13	05/08/18 20:01	1
PCB-41	0.011	J C40	0.029	0.00043	ng/g	☼	04/27/18 08:13	05/08/18 20:01	1
PCB-42	0.0037	J q	0.0097	0.00043	ng/g	☼	04/27/18 08:13	05/08/18 20:01	1
PCB-43	0.0017	J q C	0.019	0.00039	ng/g	☼	04/27/18 08:13	05/08/18 20:01	1
PCB-44	0.030	C B	0.029	0.00038	ng/g	☼	04/27/18 08:13	05/08/18 20:01	1
PCB-45	0.0066	J q C	0.019	0.00045	ng/g	☼	04/27/18 08:13	05/08/18 20:01	1
PCB-46	0.0010	J q	0.0097	0.00052	ng/g	☼	04/27/18 08:13	05/08/18 20:01	1
PCB-47	0.030	C44 B	0.029	0.00038	ng/g	☼	04/27/18 08:13	05/08/18 20:01	1
PCB-48	0.0013	J q	0.0097	0.00041	ng/g	☼	04/27/18 08:13	05/08/18 20:01	1
PCB-49	0.015	J q C	0.019	0.00034	ng/g	☼	04/27/18 08:13	05/08/18 20:01	1

Client Sample ID: PDI-SG-B184-BL1
Date Collected: 04/18/18 11:05
Date Received: 04/20/18 13:00

Lab Sample ID: 580-76755-10
Matrix: Solid
Percent Solids: 72.4

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-50	0.0063	J C	0.019	0.00043	ng/g	☼	04/27/18 08:13	05/08/18 20:01	1
PCB-51	0.0066	J q C45	0.019	0.00045	ng/g	☼	04/27/18 08:13	05/08/18 20:01	1
PCB-52	0.028		0.0097	0.00045	ng/g	☼	04/27/18 08:13	05/08/18 20:01	1
PCB-53	0.0063	J C50	0.019	0.00043	ng/g	☼	04/27/18 08:13	05/08/18 20:01	1
PCB-54	0.00085	J	0.0097	0.00010	ng/g	☼	04/27/18 08:13	05/08/18 20:01	1
PCB-55	ND		0.0097	0.00029	ng/g	☼	04/27/18 08:13	05/08/18 20:01	1
PCB-56	0.0064	J	0.0097	0.00030	ng/g	☼	04/27/18 08:13	05/08/18 20:01	1
PCB-57	ND		0.0097	0.00030	ng/g	☼	04/27/18 08:13	05/08/18 20:01	1
PCB-58	0.00055	J	0.0097	0.00029	ng/g	☼	04/27/18 08:13	05/08/18 20:01	1
PCB-59	0.0032	J q C	0.029	0.00029	ng/g	☼	04/27/18 08:13	05/08/18 20:01	1
PCB-60	0.0026	J	0.0097	0.00029	ng/g	☼	04/27/18 08:13	05/08/18 20:01	1
PCB-61	0.027	J C B	0.039	0.00028	ng/g	☼	04/27/18 08:13	05/08/18 20:01	1
PCB-62	0.0032	J q C59	0.029	0.00029	ng/g	☼	04/27/18 08:13	05/08/18 20:01	1
PCB-63	ND		0.0097	0.00026	ng/g	☼	04/27/18 08:13	05/08/18 20:01	1
PCB-64	0.0065	J	0.0097	0.00027	ng/g	☼	04/27/18 08:13	05/08/18 20:01	1
PCB-65	0.030	C44 B	0.029	0.00038	ng/g	☼	04/27/18 08:13	05/08/18 20:01	1
PCB-66	0.019		0.0097	0.00028	ng/g	☼	04/27/18 08:13	05/08/18 20:01	1
PCB-67	0.00091	J	0.0097	0.00027	ng/g	☼	04/27/18 08:13	05/08/18 20:01	1
PCB-68	0.00066	J q	0.0097	0.00026	ng/g	☼	04/27/18 08:13	05/08/18 20:01	1
PCB-69	0.015	J q C49	0.019	0.00034	ng/g	☼	04/27/18 08:13	05/08/18 20:01	1
PCB-70	0.027	J C61 B	0.039	0.00028	ng/g	☼	04/27/18 08:13	05/08/18 20:01	1
PCB-71	0.011	J C40	0.029	0.00043	ng/g	☼	04/27/18 08:13	05/08/18 20:01	1
PCB-72	0.00093	J	0.0097	0.00029	ng/g	☼	04/27/18 08:13	05/08/18 20:01	1
PCB-73	0.0017	J q C43	0.019	0.00039	ng/g	☼	04/27/18 08:13	05/08/18 20:01	1
PCB-74	0.027	J C61 B	0.039	0.00028	ng/g	☼	04/27/18 08:13	05/08/18 20:01	1
PCB-75	0.0032	J q C59	0.029	0.00029	ng/g	☼	04/27/18 08:13	05/08/18 20:01	1
PCB-76	0.027	J C61 B	0.039	0.00028	ng/g	☼	04/27/18 08:13	05/08/18 20:01	1
PCB-77	0.0017	J q	0.0097	0.00027	ng/g	☼	04/27/18 08:13	05/08/18 20:01	1
PCB-78	ND		0.0097	0.00029	ng/g	☼	04/27/18 08:13	05/08/18 20:01	1
PCB-79	0.00080	J q	0.0097	0.00024	ng/g	☼	04/27/18 08:13	05/08/18 20:01	1
PCB-80	ND		0.0097	0.00025	ng/g	☼	04/27/18 08:13	05/08/18 20:01	1
PCB-81	0.00074	J q	0.0097	0.00027	ng/g	☼	04/27/18 08:13	05/08/18 20:01	1
PCB-82	0.0060	J q	0.0097	0.00032	ng/g	☼	04/27/18 08:13	05/08/18 20:01	1
PCB-83	0.057	C	0.019	0.00031	ng/g	☼	04/27/18 08:13	05/08/18 20:01	1
PCB-84	0.022		0.0097	0.00034	ng/g	☼	04/27/18 08:13	05/08/18 20:01	1
PCB-85	0.012	J q C	0.029	0.00023	ng/g	☼	04/27/18 08:13	05/08/18 20:01	1
PCB-86	0.046	J C	0.058	0.00025	ng/g	☼	04/27/18 08:13	05/08/18 20:01	1
PCB-87	0.046	J C86	0.058	0.00025	ng/g	☼	04/27/18 08:13	05/08/18 20:01	1
PCB-88	0.021	q C	0.019	0.00029	ng/g	☼	04/27/18 08:13	05/08/18 20:01	1
PCB-89	ND		0.0097	0.00032	ng/g	☼	04/27/18 08:13	05/08/18 20:01	1
PCB-90	0.077	C	0.029	0.00025	ng/g	☼	04/27/18 08:13	05/08/18 20:01	1
PCB-91	0.021	q C88	0.019	0.00029	ng/g	☼	04/27/18 08:13	05/08/18 20:01	1
PCB-92	0.023	q	0.0097	0.00030	ng/g	☼	04/27/18 08:13	05/08/18 20:01	1
PCB-93	0.0043	J q C	0.019	0.00030	ng/g	☼	04/27/18 08:13	05/08/18 20:01	1
PCB-94	0.0014	J	0.0097	0.00032	ng/g	☼	04/27/18 08:13	05/08/18 20:01	1
PCB-95	0.084		0.0097	0.00031	ng/g	☼	04/27/18 08:13	05/08/18 20:01	1
PCB-96	0.00077	J q	0.0097	0.00024	ng/g	☼	04/27/18 08:13	05/08/18 20:01	1
PCB-97	0.046	J C86	0.058	0.00025	ng/g	☼	04/27/18 08:13	05/08/18 20:01	1
PCB-98	0.0070	J q C	0.019	0.00030	ng/g	☼	04/27/18 08:13	05/08/18 20:01	1

Client Sample ID: PDI-SG-B184-BL1
Date Collected: 04/18/18 11:05
Date Received: 04/20/18 13:00

Lab Sample ID: 580-76755-10
Matrix: Solid
Percent Solids: 72.4

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-99	0.057	C83	0.019	0.00031	ng/g	☼	04/27/18 08:13	05/08/18 20:01	1
PCB-100	0.0043	J q C93	0.019	0.00030	ng/g	☼	04/27/18 08:13	05/08/18 20:01	1
PCB-101	0.077	C90	0.029	0.00025	ng/g	☼	04/27/18 08:13	05/08/18 20:01	1
PCB-102	0.0070	J q C98	0.019	0.00030	ng/g	☼	04/27/18 08:13	05/08/18 20:01	1
PCB-103	0.00068	J q	0.0097	0.00027	ng/g	☼	04/27/18 08:13	05/08/18 20:01	1
PCB-104	ND		0.0097	0.00021	ng/g	☼	04/27/18 08:13	05/08/18 20:01	1
PCB-105	0.016		0.0097	0.00046	ng/g	☼	04/27/18 08:13	05/08/18 20:01	1
PCB-106	ND		0.0097	0.00049	ng/g	☼	04/27/18 08:13	05/08/18 20:01	1
PCB-107	0.0051	J	0.0097	0.00048	ng/g	☼	04/27/18 08:13	05/08/18 20:01	1
PCB-108	0.0016	J q C	0.019	0.00050	ng/g	☼	04/27/18 08:13	05/08/18 20:01	1
PCB-109	0.046	J C86	0.058	0.00025	ng/g	☼	04/27/18 08:13	05/08/18 20:01	1
PCB-110	0.10	C	0.019	0.00020	ng/g	☼	04/27/18 08:13	05/08/18 20:01	1
PCB-111	ND		0.0097	0.00019	ng/g	☼	04/27/18 08:13	05/08/18 20:01	1
PCB-112	0.0010	J q	0.0097	0.00021	ng/g	☼	04/27/18 08:13	05/08/18 20:01	1
PCB-113	0.077	C90	0.029	0.00025	ng/g	☼	04/27/18 08:13	05/08/18 20:01	1
PCB-114	0.0015	J q	0.0097	0.00045	ng/g	☼	04/27/18 08:13	05/08/18 20:01	1
PCB-115	0.10	C110	0.019	0.00020	ng/g	☼	04/27/18 08:13	05/08/18 20:01	1
PCB-116	0.012	J q C85	0.029	0.00023	ng/g	☼	04/27/18 08:13	05/08/18 20:01	1
PCB-117	0.012	J q C85	0.029	0.00023	ng/g	☼	04/27/18 08:13	05/08/18 20:01	1
PCB-118	0.042	B	0.0097	0.00046	ng/g	☼	04/27/18 08:13	05/08/18 20:01	1
PCB-119	0.046	J C86	0.058	0.00025	ng/g	☼	04/27/18 08:13	05/08/18 20:01	1
PCB-120	ND		0.0097	0.00019	ng/g	☼	04/27/18 08:13	05/08/18 20:01	1
PCB-121	ND		0.0097	0.00020	ng/g	☼	04/27/18 08:13	05/08/18 20:01	1
PCB-122	ND		0.0097	0.00055	ng/g	☼	04/27/18 08:13	05/08/18 20:01	1
PCB-123	ND		0.0097	0.00044	ng/g	☼	04/27/18 08:13	05/08/18 20:01	1
PCB-124	0.0016	J q C108	0.019	0.00050	ng/g	☼	04/27/18 08:13	05/08/18 20:01	1
PCB-125	0.046	J C86	0.058	0.00025	ng/g	☼	04/27/18 08:13	05/08/18 20:01	1
PCB-126	ND		0.0097	0.00049	ng/g	☼	04/27/18 08:13	05/08/18 20:01	1
PCB-127	ND		0.0097	0.00047	ng/g	☼	04/27/18 08:13	05/08/18 20:01	1
PCB-128	0.016	J C B	0.019	0.00081	ng/g	☼	04/27/18 08:13	05/08/18 20:01	1
PCB-129	0.11	C B	0.039	0.00082	ng/g	☼	04/27/18 08:13	05/08/18 20:01	1
PCB-130	0.0071	J q	0.0097	0.0011	ng/g	☼	04/27/18 08:13	05/08/18 20:01	1
PCB-131	ND		0.0097	0.0011	ng/g	☼	04/27/18 08:13	05/08/18 20:01	1
PCB-132	0.037		0.0097	0.0011	ng/g	☼	04/27/18 08:13	05/08/18 20:01	1
PCB-133	0.0034	J	0.0097	0.0010	ng/g	☼	04/27/18 08:13	05/08/18 20:01	1
PCB-134	0.0095	J C	0.019	0.0011	ng/g	☼	04/27/18 08:13	05/08/18 20:01	1
PCB-135	0.053	C	0.019	0.000087	ng/g	☼	04/27/18 08:13	05/08/18 20:01	1
PCB-136	0.017	q	0.0097	0.000063	ng/g	☼	04/27/18 08:13	05/08/18 20:01	1
PCB-137	0.0039	J	0.0097	0.00089	ng/g	☼	04/27/18 08:13	05/08/18 20:01	1
PCB-138	0.11	C129 B	0.039	0.00082	ng/g	☼	04/27/18 08:13	05/08/18 20:01	1
PCB-139	0.0014	J q C	0.019	0.00092	ng/g	☼	04/27/18 08:13	05/08/18 20:01	1
PCB-140	0.0014	J q C139	0.019	0.00092	ng/g	☼	04/27/18 08:13	05/08/18 20:01	1
PCB-141	0.021		0.0097	0.00096	ng/g	☼	04/27/18 08:13	05/08/18 20:01	1
PCB-142	ND		0.0097	0.0010	ng/g	☼	04/27/18 08:13	05/08/18 20:01	1
PCB-143	0.0095	J C134	0.019	0.0011	ng/g	☼	04/27/18 08:13	05/08/18 20:01	1
PCB-144	0.0045	J q	0.0097	0.000081	ng/g	☼	04/27/18 08:13	05/08/18 20:01	1
PCB-145	ND		0.0097	0.000063	ng/g	☼	04/27/18 08:13	05/08/18 20:01	1
PCB-146	0.023		0.0097	0.00087	ng/g	☼	04/27/18 08:13	05/08/18 20:01	1
PCB-147	0.11	C B	0.019	0.00093	ng/g	☼	04/27/18 08:13	05/08/18 20:01	1

Client Sample ID: PDI-SG-B184-BL1
Date Collected: 04/18/18 11:05
Date Received: 04/20/18 13:00

Lab Sample ID: 580-76755-10
Matrix: Solid
Percent Solids: 72.4

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-148	ND		0.0097	0.000083	ng/g	☼	04/27/18 08:13	05/08/18 20:01	1
PCB-149	**0.11**	**C147 B**	0.019	0.00093	ng/g	☼	04/27/18 08:13	05/08/18 20:01	1
PCB-150	**0.00013**	**J q**	0.0097	0.000056	ng/g	☼	04/27/18 08:13	05/08/18 20:01	1
PCB-151	**0.053**	**C135**	0.019	0.000087	ng/g	☼	04/27/18 08:13	05/08/18 20:01	1
PCB-152	ND		0.0097	0.000060	ng/g	☼	04/27/18 08:13	05/08/18 20:01	1
PCB-153	**0.096**	**C**	0.019	0.00072	ng/g	☼	04/27/18 08:13	05/08/18 20:01	1
PCB-154	**0.0021**	**J q**	0.0097	0.000072	ng/g	☼	04/27/18 08:13	05/08/18 20:01	1
PCB-155	ND		0.0097	0.000057	ng/g	☼	04/27/18 08:13	05/08/18 20:01	1
PCB-156	**0.0080**	**J q C B**	0.019	0.00088	ng/g	☼	04/27/18 08:13	05/08/18 20:01	1
PCB-157	**0.0080**	**J q C156 B**	0.019	0.00088	ng/g	☼	04/27/18 08:13	05/08/18 20:01	1
PCB-158	**0.011**		0.0097	0.00064	ng/g	☼	04/27/18 08:13	05/08/18 20:01	1
PCB-159	**0.0019**	**J q B**	0.0097	0.00066	ng/g	☼	04/27/18 08:13	05/08/18 20:01	1
PCB-160	**0.11**	**C129 B**	0.039	0.00082	ng/g	☼	04/27/18 08:13	05/08/18 20:01	1
PCB-161	ND		0.0097	0.00068	ng/g	☼	04/27/18 08:13	05/08/18 20:01	1
PCB-162	ND		0.0097	0.00065	ng/g	☼	04/27/18 08:13	05/08/18 20:01	1
PCB-163	**0.11**	**C129 B**	0.039	0.00082	ng/g	☼	04/27/18 08:13	05/08/18 20:01	1
PCB-164	**0.010**		0.0097	0.00070	ng/g	☼	04/27/18 08:13	05/08/18 20:01	1
PCB-165	ND		0.0097	0.00078	ng/g	☼	04/27/18 08:13	05/08/18 20:01	1
PCB-166	**0.016**	**J C128 B**	0.019	0.00081	ng/g	☼	04/27/18 08:13	05/08/18 20:01	1
PCB-167	**0.0022**	**J q B**	0.0097	0.00050	ng/g	☼	04/27/18 08:13	05/08/18 20:01	1
PCB-168	**0.096**	**C153**	0.019	0.00072	ng/g	☼	04/27/18 08:13	05/08/18 20:01	1
PCB-169	ND		0.0097	0.00049	ng/g	☼	04/27/18 08:13	05/08/18 20:01	1
PCB-170	**0.031**		0.0097	0.000047	ng/g	☼	04/27/18 08:13	05/08/18 20:01	1
PCB-171	**0.0096**	**J q C**	0.019	0.000048	ng/g	☼	04/27/18 08:13	05/08/18 20:01	1
PCB-172	**0.0055**	**J q**	0.0097	0.000047	ng/g	☼	04/27/18 08:13	05/08/18 20:01	1
PCB-173	**0.0096**	**J q C171**	0.019	0.000048	ng/g	☼	04/27/18 08:13	05/08/18 20:01	1
PCB-174	**0.033**	**q**	0.0097	0.000049	ng/g	☼	04/27/18 08:13	05/08/18 20:01	1
PCB-175	**0.00066**	**J q**	0.0097	0.000044	ng/g	☼	04/27/18 08:13	05/08/18 20:01	1
PCB-176	**0.0043**	**J**	0.0097	0.000031	ng/g	☼	04/27/18 08:13	05/08/18 20:01	1
PCB-177	**0.024**		0.0097	0.000049	ng/g	☼	04/27/18 08:13	05/08/18 20:01	1
PCB-178	**0.0094**	**J**	0.0097	0.000046	ng/g	☼	04/27/18 08:13	05/08/18 20:01	1
PCB-179	**0.016**		0.0097	0.000034	ng/g	☼	04/27/18 08:13	05/08/18 20:01	1
PCB-180	**0.076**	**C**	0.019	0.000036	ng/g	☼	04/27/18 08:13	05/08/18 20:01	1
PCB-181	ND		0.0097	0.000042	ng/g	☼	04/27/18 08:13	05/08/18 20:01	1
PCB-182	ND		0.0097	0.000040	ng/g	☼	04/27/18 08:13	05/08/18 20:01	1
PCB-183	**0.023**	**q C**	0.019	0.000041	ng/g	☼	04/27/18 08:13	05/08/18 20:01	1
PCB-184	ND		0.0097	0.000034	ng/g	☼	04/27/18 08:13	05/08/18 20:01	1
PCB-185	**0.023**	**q C183**	0.019	0.000041	ng/g	☼	04/27/18 08:13	05/08/18 20:01	1
PCB-186	ND		0.0097	0.000033	ng/g	☼	04/27/18 08:13	05/08/18 20:01	1
PCB-187	**0.042**	**q**	0.0097	0.000042	ng/g	☼	04/27/18 08:13	05/08/18 20:01	1
PCB-188	ND		0.0097	0.000031	ng/g	☼	04/27/18 08:13	05/08/18 20:01	1
PCB-189	**0.0010**	**J**	0.0097	0.00011	ng/g	☼	04/27/18 08:13	05/08/18 20:01	1
PCB-190	**0.0079**	**J**	0.0097	0.000031	ng/g	☼	04/27/18 08:13	05/08/18 20:01	1
PCB-191	ND		0.0097	0.000032	ng/g	☼	04/27/18 08:13	05/08/18 20:01	1
PCB-192	**0.00054**	**J q**	0.0097	0.000034	ng/g	☼	04/27/18 08:13	05/08/18 20:01	1
PCB-193	**0.076**	**C180**	0.019	0.000036	ng/g	☼	04/27/18 08:13	05/08/18 20:01	1
PCB-194	**0.019**	**B**	0.0097	0.00020	ng/g	☼	04/27/18 08:13	05/08/18 20:01	1
PCB-195	**0.0064**	**J q**	0.0097	0.00022	ng/g	☼	04/27/18 08:13	05/08/18 20:01	1
PCB-196	**0.0070**	**J q**	0.0097	0.000079	ng/g	☼	04/27/18 08:13	05/08/18 20:01	1

Client Sample ID: PDI-SG-B184-BL1
Date Collected: 04/18/18 11:05
Date Received: 04/20/18 13:00

Lab Sample ID: 580-76755-10
Matrix: Solid
Percent Solids: 72.4

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-197	0.00026	J q	0.0097	0.000055	ng/g	☼	04/27/18 08:13	05/08/18 20:01	1
PCB-198	0.021	C	0.019	0.000084	ng/g	☼	04/27/18 08:13	05/08/18 20:01	1
PCB-199	0.021	C198	0.019	0.000084	ng/g	☼	04/27/18 08:13	05/08/18 20:01	1
PCB-200	0.00065	J q	0.0097	0.000060	ng/g	☼	04/27/18 08:13	05/08/18 20:01	1
PCB-201	0.0028	J q	0.0097	0.000058	ng/g	☼	04/27/18 08:13	05/08/18 20:01	1
PCB-202	0.0029	J q	0.0097	0.000065	ng/g	☼	04/27/18 08:13	05/08/18 20:01	1
PCB-203	0.0085	J q	0.0097	0.000074	ng/g	☼	04/27/18 08:13	05/08/18 20:01	1
PCB-204	ND		0.0097	0.000060	ng/g	☼	04/27/18 08:13	05/08/18 20:01	1
PCB-205	0.0011	J	0.0097	0.00015	ng/g	☼	04/27/18 08:13	05/08/18 20:01	1
PCB-206	0.014	q	0.0097	0.0013	ng/g	☼	04/27/18 08:13	05/08/18 20:01	1
PCB-207	0.0010	J q	0.0097	0.00088	ng/g	☼	04/27/18 08:13	05/08/18 20:01	1
PCB-208	ND		0.0097	0.00096	ng/g	☼	04/27/18 08:13	05/08/18 20:01	1
PCB-209	0.0096	J B	0.0097	0.000061	ng/g	☼	04/27/18 08:13	05/08/18 20:01	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
PCB-1L	*70*		*30 - 140*	*04/27/18 08:13*	*05/08/18 20:01*	*1*
PCB-3L	*68*		*30 - 140*	*04/27/18 08:13*	*05/08/18 20:01*	*1*
PCB-4L	*68*		*30 - 140*	*04/27/18 08:13*	*05/08/18 20:01*	*1*
PCB-15L	*76*		*30 - 140*	*04/27/18 08:13*	*05/08/18 20:01*	*1*
PCB-19L	*71*		*30 - 140*	*04/27/18 08:13*	*05/08/18 20:01*	*1*
PCB-37L	*80*		*30 - 140*	*04/27/18 08:13*	*05/08/18 20:01*	*1*
PCB-54L	*86*		*30 - 140*	*04/27/18 08:13*	*05/08/18 20:01*	*1*
PCB-77L	*82*		*30 - 140*	*04/27/18 08:13*	*05/08/18 20:01*	*1*
PCB-81L	*80*		*30 - 140*	*04/27/18 08:13*	*05/08/18 20:01*	*1*
PCB-104L	*84*		*30 - 140*	*04/27/18 08:13*	*05/08/18 20:01*	*1*
PCB-105L	*80*		*30 - 140*	*04/27/18 08:13*	*05/08/18 20:01*	*1*
PCB-114L	*79*		*30 - 140*	*04/27/18 08:13*	*05/08/18 20:01*	*1*
PCB-118L	*83*		*30 - 140*	*04/27/18 08:13*	*05/08/18 20:01*	*1*
PCB-123L	*81*		*30 - 140*	*04/27/18 08:13*	*05/08/18 20:01*	*1*
PCB-126L	*81*		*30 - 140*	*04/27/18 08:13*	*05/08/18 20:01*	*1*
PCB-155L	*92*		*30 - 140*	*04/27/18 08:13*	*05/08/18 20:01*	*1*
PCB-156L	*85*	*C*	*30 - 140*	*04/27/18 08:13*	*05/08/18 20:01*	*1*
PCB-157L	*85*	*C156*	*30 - 140*	*04/27/18 08:13*	*05/08/18 20:01*	*1*
PCB-167L	*85*		*30 - 140*	*04/27/18 08:13*	*05/08/18 20:01*	*1*
PCB-169L	*87*		*30 - 140*	*04/27/18 08:13*	*05/08/18 20:01*	*1*
PCB-170L	*82*		*30 - 140*	*04/27/18 08:13*	*05/08/18 20:01*	*1*
PCB-188L	*81*		*30 - 140*	*04/27/18 08:13*	*05/08/18 20:01*	*1*
PCB-189L	*96*		*30 - 140*	*04/27/18 08:13*	*05/08/18 20:01*	*1*
PCB-202L	*88*		*30 - 140*	*04/27/18 08:13*	*05/08/18 20:01*	*1*
PCB-205L	*76*		*30 - 140*	*04/27/18 08:13*	*05/08/18 20:01*	*1*
PCB-206L	*66*		*30 - 140*	*04/27/18 08:13*	*05/08/18 20:01*	*1*
PCB-208L	*67*		*30 - 140*	*04/27/18 08:13*	*05/08/18 20:01*	*1*
PCB-209L	*60*		*30 - 140*	*04/27/18 08:13*	*05/08/18 20:01*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
PCB-28L	*72*		*40 - 125*	*04/27/18 08:13*	*05/08/18 20:01*	*1*
PCB-111L	*85*		*40 - 125*	*04/27/18 08:13*	*05/08/18 20:01*	*1*
PCB-178L	*79*		*40 - 125*	*04/27/18 08:13*	*05/08/18 20:01*	*1*

Client Sample ID: PDI-SG-B177-BL1
Date Collected: 04/18/18 12:10
Date Received: 04/20/18 13:00

Lab Sample ID: 580-76755-11
Matrix: Solid
Percent Solids: 73.6

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1	0.0015	J q	0.0096	0.00031	ng/g	☼	04/27/18 08:13	05/09/18 05:01	1
PCB-2	0.0011	J q B	0.0096	0.00034	ng/g	☼	04/27/18 08:13	05/09/18 05:01	1
PCB-3	0.0016	J q B	0.0096	0.00040	ng/g	☼	04/27/18 08:13	05/09/18 05:01	1
PCB-4	0.017	J	0.019	0.0015	ng/g	☼	04/27/18 08:13	05/09/18 05:01	1
PCB-5	ND		0.0096	0.0011	ng/g	☼	04/27/18 08:13	05/09/18 05:01	1
PCB-6	ND		0.0096	0.0011	ng/g	☼	04/27/18 08:13	05/09/18 05:01	1
PCB-7	0.0026	J	0.0096	0.0010	ng/g	☼	04/27/18 08:13	05/09/18 05:01	1
PCB-8	0.0018	J q B	0.019	0.0011	ng/g	☼	04/27/18 08:13	05/09/18 05:01	1
PCB-9	ND		0.0096	0.0012	ng/g	☼	04/27/18 08:13	05/09/18 05:01	1
PCB-10	ND		0.0096	0.0012	ng/g	☼	04/27/18 08:13	05/09/18 05:01	1
PCB-11	0.0073	J B	0.019	0.00098	ng/g	☼	04/27/18 08:13	05/09/18 05:01	1
PCB-12	ND	C	0.019	0.00099	ng/g	☼	04/27/18 08:13	05/09/18 05:01	1
PCB-13	ND	C12	0.019	0.00099	ng/g	☼	04/27/18 08:13	05/09/18 05:01	1
PCB-14	ND		0.0096	0.00090	ng/g	☼	04/27/18 08:13	05/09/18 05:01	1
PCB-15	0.0039	J q	0.0096	0.0011	ng/g	☼	04/27/18 08:13	05/09/18 05:01	1
PCB-16	ND		0.0096	0.00029	ng/g	☼	04/27/18 08:13	05/09/18 05:01	1
PCB-17	0.0061	J	0.0096	0.00022	ng/g	☼	04/27/18 08:13	05/09/18 05:01	1
PCB-18	0.0054	J C	0.019	0.00019	ng/g	☼	04/27/18 08:13	05/09/18 05:01	1
PCB-19	0.019		0.0096	0.00027	ng/g	☼	04/27/18 08:13	05/09/18 05:01	1
PCB-20	0.011	J C B	0.019	0.00045	ng/g	☼	04/27/18 08:13	05/09/18 05:01	1
PCB-21	0.0051	J q C B	0.019	0.00042	ng/g	☼	04/27/18 08:13	05/09/18 05:01	1
PCB-22	0.0022	J B	0.0096	0.00046	ng/g	☼	04/27/18 08:13	05/09/18 05:01	1
PCB-23	ND		0.0096	0.00045	ng/g	☼	04/27/18 08:13	05/09/18 05:01	1
PCB-24	ND		0.0096	0.00017	ng/g	☼	04/27/18 08:13	05/09/18 05:01	1
PCB-25	0.00083	J q B	0.0096	0.00043	ng/g	☼	04/27/18 08:13	05/09/18 05:01	1
PCB-26	0.0022	J q C B	0.019	0.00045	ng/g	☼	04/27/18 08:13	05/09/18 05:01	1
PCB-27	ND		0.0096	0.00017	ng/g	☼	04/27/18 08:13	05/09/18 05:01	1
PCB-28	0.011	J C20 B	0.019	0.00045	ng/g	☼	04/27/18 08:13	05/09/18 05:01	1
PCB-29	0.0022	J q C26 B	0.019	0.00045	ng/g	☼	04/27/18 08:13	05/09/18 05:01	1
PCB-30	0.0054	J C18	0.019	0.00019	ng/g	☼	04/27/18 08:13	05/09/18 05:01	1
PCB-31	0.0063	J q B	0.019	0.00041	ng/g	☼	04/27/18 08:13	05/09/18 05:01	1
PCB-32	0.0042	J q	0.0096	0.00015	ng/g	☼	04/27/18 08:13	05/09/18 05:01	1
PCB-33	0.0051	J q C21 B	0.019	0.00042	ng/g	☼	04/27/18 08:13	05/09/18 05:01	1
PCB-34	ND		0.0096	0.00046	ng/g	☼	04/27/18 08:13	05/09/18 05:01	1
PCB-35	ND		0.0096	0.00044	ng/g	☼	04/27/18 08:13	05/09/18 05:01	1
PCB-36	ND		0.0096	0.00040	ng/g	☼	04/27/18 08:13	05/09/18 05:01	1
PCB-37	0.0031	J	0.0096	0.00042	ng/g	☼	04/27/18 08:13	05/09/18 05:01	1
PCB-38	ND		0.0096	0.00044	ng/g	☼	04/27/18 08:13	05/09/18 05:01	1
PCB-39	ND		0.0096	0.00040	ng/g	☼	04/27/18 08:13	05/09/18 05:01	1
PCB-40	0.0068	J C	0.029	0.00061	ng/g	☼	04/27/18 08:13	05/09/18 05:01	1
PCB-41	0.0068	J C40	0.029	0.00061	ng/g	☼	04/27/18 08:13	05/09/18 05:01	1
PCB-42	0.0029	J q	0.0096	0.00062	ng/g	☼	04/27/18 08:13	05/09/18 05:01	1
PCB-43	ND	C	0.019	0.00055	ng/g	☼	04/27/18 08:13	05/09/18 05:01	1
PCB-44	0.028	J C B	0.029	0.00055	ng/g	☼	04/27/18 08:13	05/09/18 05:01	1
PCB-45	0.0090	J q C	0.019	0.00064	ng/g	☼	04/27/18 08:13	05/09/18 05:01	1
PCB-46	ND		0.0096	0.00075	ng/g	☼	04/27/18 08:13	05/09/18 05:01	1
PCB-47	0.028	J C44 B	0.029	0.00055	ng/g	☼	04/27/18 08:13	05/09/18 05:01	1
PCB-48	0.0022	J	0.0096	0.00058	ng/g	☼	04/27/18 08:13	05/09/18 05:01	1
PCB-49	0.015	J C	0.019	0.00049	ng/g	☼	04/27/18 08:13	05/09/18 05:01	1

Client Sample ID: PDI-SG-B177-BL1
Date Collected: 04/18/18 12:10
Date Received: 04/20/18 13:00

Lab Sample ID: 580-76755-11
Matrix: Solid
Percent Solids: 73.6

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-50	**0.010**	**J q C**	0.019	0.00061	ng/g	☼	04/27/18 08:13	05/09/18 05:01	1
PCB-51	**0.0090**	**J q C45**	0.019	0.00064	ng/g	☼	04/27/18 08:13	05/09/18 05:01	1
PCB-52	**0.020**	**q**	0.0096	0.00064	ng/g	☼	04/27/18 08:13	05/09/18 05:01	1
PCB-53	**0.010**	**J q C50**	0.019	0.00061	ng/g	☼	04/27/18 08:13	05/09/18 05:01	1
PCB-54	**0.0043**	**J**	0.0096	0.00015	ng/g	☼	04/27/18 08:13	05/09/18 05:01	1
PCB-55	**0.00063**	**J q**	0.0096	0.00042	ng/g	☼	04/27/18 08:13	05/09/18 05:01	1
PCB-56	**0.0037**	**J q**	0.0096	0.00042	ng/g	☼	04/27/18 08:13	05/09/18 05:01	1
PCB-57	ND		0.0096	0.00043	ng/g	☼	04/27/18 08:13	05/09/18 05:01	1
PCB-58	ND		0.0096	0.00041	ng/g	☼	04/27/18 08:13	05/09/18 05:01	1
PCB-59	**0.00085**	**J q C**	0.029	0.00041	ng/g	☼	04/27/18 08:13	05/09/18 05:01	1
PCB-60	**0.0015**	**J q**	0.0096	0.00042	ng/g	☼	04/27/18 08:13	05/09/18 05:01	1
PCB-61	**0.021**	**J C B**	0.039	0.00040	ng/g	☼	04/27/18 08:13	05/09/18 05:01	1
PCB-62	**0.00085**	**J q C59**	0.029	0.00041	ng/g	☼	04/27/18 08:13	05/09/18 05:01	1
PCB-63	ND		0.0096	0.00037	ng/g	☼	04/27/18 08:13	05/09/18 05:01	1
PCB-64	**0.0040**	**J q**	0.0096	0.00039	ng/g	☼	04/27/18 08:13	05/09/18 05:01	1
PCB-65	**0.028**	**J C44 B**	0.029	0.00055	ng/g	☼	04/27/18 08:13	05/09/18 05:01	1
PCB-66	**0.012**	**q**	0.0096	0.00040	ng/g	☼	04/27/18 08:13	05/09/18 05:01	1
PCB-67	ND		0.0096	0.00039	ng/g	☼	04/27/18 08:13	05/09/18 05:01	1
PCB-68	ND		0.0096	0.00037	ng/g	☼	04/27/18 08:13	05/09/18 05:01	1
PCB-69	**0.015**	**J C49**	0.019	0.00049	ng/g	☼	04/27/18 08:13	05/09/18 05:01	1
PCB-70	**0.021**	**J C61 B**	0.039	0.00040	ng/g	☼	04/27/18 08:13	05/09/18 05:01	1
PCB-71	**0.0068**	**J C40**	0.029	0.00061	ng/g	☼	04/27/18 08:13	05/09/18 05:01	1
PCB-72	ND	q	0.0096	0.00042	ng/g	☼	04/27/18 08:13	05/09/18 05:01	1
PCB-73	ND	C43	0.019	0.00055	ng/g	☼	04/27/18 08:13	05/09/18 05:01	1
PCB-74	**0.021**	**J C61 B**	0.039	0.00040	ng/g	☼	04/27/18 08:13	05/09/18 05:01	1
PCB-75	**0.00085**	**J q C59**	0.029	0.00041	ng/g	☼	04/27/18 08:13	05/09/18 05:01	1
PCB-76	**0.021**	**J C61 B**	0.039	0.00040	ng/g	☼	04/27/18 08:13	05/09/18 05:01	1
PCB-77	**0.0018**	**J q**	0.0096	0.00039	ng/g	☼	04/27/18 08:13	05/09/18 05:01	1
PCB-78	ND		0.0096	0.00041	ng/g	☼	04/27/18 08:13	05/09/18 05:01	1
PCB-79	ND		0.0096	0.00035	ng/g	☼	04/27/18 08:13	05/09/18 05:01	1
PCB-80	ND		0.0096	0.00036	ng/g	☼	04/27/18 08:13	05/09/18 05:01	1
PCB-81	ND		0.0096	0.00038	ng/g	☼	04/27/18 08:13	05/09/18 05:01	1
PCB-82	**0.0018**	**J q**	0.0096	0.00072	ng/g	☼	04/27/18 08:13	05/09/18 05:01	1
PCB-83	**0.021**	**q C**	0.019	0.00069	ng/g	☼	04/27/18 08:13	05/09/18 05:01	1
PCB-84	**0.0044**	**J q**	0.0096	0.00075	ng/g	☼	04/27/18 08:13	05/09/18 05:01	1
PCB-85	**0.0066**	**J C**	0.029	0.00052	ng/g	☼	04/27/18 08:13	05/09/18 05:01	1
PCB-86	**0.022**	**J C**	0.058	0.00055	ng/g	☼	04/27/18 08:13	05/09/18 05:01	1
PCB-87	**0.022**	**J C86**	0.058	0.00055	ng/g	☼	04/27/18 08:13	05/09/18 05:01	1
PCB-88	**0.0086**	**J q C**	0.019	0.00065	ng/g	☼	04/27/18 08:13	05/09/18 05:01	1
PCB-89	ND		0.0096	0.00071	ng/g	☼	04/27/18 08:13	05/09/18 05:01	1
PCB-90	**0.030**	**q C**	0.029	0.00056	ng/g	☼	04/27/18 08:13	05/09/18 05:01	1
PCB-91	**0.0086**	**J q C88**	0.019	0.00065	ng/g	☼	04/27/18 08:13	05/09/18 05:01	1
PCB-92	**0.0064**	**J q**	0.0096	0.00068	ng/g	☼	04/27/18 08:13	05/09/18 05:01	1
PCB-93	**0.0036**	**J q C**	0.019	0.00067	ng/g	☼	04/27/18 08:13	05/09/18 05:01	1
PCB-94	ND		0.0096	0.00071	ng/g	☼	04/27/18 08:13	05/09/18 05:01	1
PCB-95	**0.028**		0.0096	0.00069	ng/g	☼	04/27/18 08:13	05/09/18 05:01	1
PCB-96	ND		0.0096	0.00053	ng/g	☼	04/27/18 08:13	05/09/18 05:01	1
PCB-97	**0.022**	**J C86**	0.058	0.00055	ng/g	☼	04/27/18 08:13	05/09/18 05:01	1
PCB-98	**0.0025**	**J C**	0.019	0.00066	ng/g	☼	04/27/18 08:13	05/09/18 05:01	1

Client Sample ID: PDI-SG-B177-BL1
Date Collected: 04/18/18 12:10
Date Received: 04/20/18 13:00

Lab Sample ID: 580-76755-11
Matrix: Solid
Percent Solids: 73.6

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-99	0.021	q C83	0.019	0.00069	ng/g	☼	04/27/18 08:13	05/09/18 05:01	1
PCB-100	0.0036	J q C93	0.019	0.00067	ng/g	☼	04/27/18 08:13	05/09/18 05:01	1
PCB-101	0.030	q C90	0.029	0.00056	ng/g	☼	04/27/18 08:13	05/09/18 05:01	1
PCB-102	0.0025	J C98	0.019	0.00066	ng/g	☼	04/27/18 08:13	05/09/18 05:01	1
PCB-103	ND		0.0096	0.00061	ng/g	☼	04/27/18 08:13	05/09/18 05:01	1
PCB-104	ND		0.0096	0.00048	ng/g	☼	04/27/18 08:13	05/09/18 05:01	1
PCB-105	0.011		0.0096	0.00043	ng/g	☼	04/27/18 08:13	05/09/18 05:01	1
PCB-106	ND		0.0096	0.00046	ng/g	☼	04/27/18 08:13	05/09/18 05:01	1
PCB-107	0.0022	J q	0.0096	0.00045	ng/g	☼	04/27/18 08:13	05/09/18 05:01	1
PCB-108	0.00074	J q C	0.019	0.00047	ng/g	☼	04/27/18 08:13	05/09/18 05:01	1
PCB-109	0.022	J C86	0.058	0.00055	ng/g	☼	04/27/18 08:13	05/09/18 05:01	1
PCB-110	0.040	C	0.019	0.00045	ng/g	☼	04/27/18 08:13	05/09/18 05:01	1
PCB-111	ND		0.0096	0.00043	ng/g	☼	04/27/18 08:13	05/09/18 05:01	1
PCB-112	ND		0.0096	0.00047	ng/g	☼	04/27/18 08:13	05/09/18 05:01	1
PCB-113	0.030	q C90	0.029	0.00056	ng/g	☼	04/27/18 08:13	05/09/18 05:01	1
PCB-114	ND		0.0096	0.00044	ng/g	☼	04/27/18 08:13	05/09/18 05:01	1
PCB-115	0.040	C110	0.019	0.00045	ng/g	☼	04/27/18 08:13	05/09/18 05:01	1
PCB-116	0.0066	J C85	0.029	0.00052	ng/g	☼	04/27/18 08:13	05/09/18 05:01	1
PCB-117	0.0066	J C85	0.029	0.00052	ng/g	☼	04/27/18 08:13	05/09/18 05:01	1
PCB-118	0.025	B	0.0096	0.00043	ng/g	☼	04/27/18 08:13	05/09/18 05:01	1
PCB-119	0.022	J C86	0.058	0.00055	ng/g	☼	04/27/18 08:13	05/09/18 05:01	1
PCB-120	ND		0.0096	0.00042	ng/g	☼	04/27/18 08:13	05/09/18 05:01	1
PCB-121	ND		0.0096	0.00045	ng/g	☼	04/27/18 08:13	05/09/18 05:01	1
PCB-122	ND		0.0096	0.00051	ng/g	☼	04/27/18 08:13	05/09/18 05:01	1
PCB-123	ND		0.0096	0.00042	ng/g	☼	04/27/18 08:13	05/09/18 05:01	1
PCB-124	0.00074	J q C108	0.019	0.00047	ng/g	☼	04/27/18 08:13	05/09/18 05:01	1
PCB-125	0.022	J C86	0.058	0.00055	ng/g	☼	04/27/18 08:13	05/09/18 05:01	1
PCB-126	ND		0.0096	0.00043	ng/g	☼	04/27/18 08:13	05/09/18 05:01	1
PCB-127	ND		0.0096	0.00045	ng/g	☼	04/27/18 08:13	05/09/18 05:01	1
PCB-128	0.0064	J q C B	0.019	0.000047	ng/g	☼	04/27/18 08:13	05/09/18 05:01	1
PCB-129	0.047	C B	0.039	0.000048	ng/g	☼	04/27/18 08:13	05/09/18 05:01	1
PCB-130	0.0022	J q	0.0096	0.000064	ng/g	☼	04/27/18 08:13	05/09/18 05:01	1
PCB-131	ND		0.0096	0.000064	ng/g	☼	04/27/18 08:13	05/09/18 05:01	1
PCB-132	0.014	q	0.0096	0.000062	ng/g	☼	04/27/18 08:13	05/09/18 05:01	1
PCB-133	ND		0.0096	0.000060	ng/g	☼	04/27/18 08:13	05/09/18 05:01	1
PCB-134	0.0029	J q C	0.019	0.000062	ng/g	☼	04/27/18 08:13	05/09/18 05:01	1
PCB-135	0.023	q C	0.019	0.00020	ng/g	☼	04/27/18 08:13	05/09/18 05:01	1
PCB-136	0.0057	J q	0.0096	0.00015	ng/g	☼	04/27/18 08:13	05/09/18 05:01	1
PCB-137	0.0016	J q	0.0096	0.000052	ng/g	☼	04/27/18 08:13	05/09/18 05:01	1
PCB-138	0.047	C129 B	0.039	0.000048	ng/g	☼	04/27/18 08:13	05/09/18 05:01	1
PCB-139	ND	C	0.019	0.000053	ng/g	☼	04/27/18 08:13	05/09/18 05:01	1
PCB-140	ND	C139	0.019	0.000053	ng/g	☼	04/27/18 08:13	05/09/18 05:01	1
PCB-141	0.0068	J q	0.0096	0.000055	ng/g	☼	04/27/18 08:13	05/09/18 05:01	1
PCB-142	ND		0.0096	0.000060	ng/g	☼	04/27/18 08:13	05/09/18 05:01	1
PCB-143	0.0029	J q C134	0.019	0.000062	ng/g	☼	04/27/18 08:13	05/09/18 05:01	1
PCB-144	ND		0.0096	0.00019	ng/g	☼	04/27/18 08:13	05/09/18 05:01	1
PCB-145	ND		0.0096	0.00015	ng/g	☼	04/27/18 08:13	05/09/18 05:01	1
PCB-146	0.0071	J q	0.0096	0.000050	ng/g	☼	04/27/18 08:13	05/09/18 05:01	1
PCB-147	0.044	C B	0.019	0.000054	ng/g	☼	04/27/18 08:13	05/09/18 05:01	1

Client Sample ID: PDI-SG-B177-BL1
Date Collected: 04/18/18 12:10
Date Received: 04/20/18 13:00

Lab Sample ID: 580-76755-11
Matrix: Solid
Percent Solids: 73.6

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-148	ND		0.0096	0.00020	ng/g	☼	04/27/18 08:13	05/09/18 05:01	1
PCB-149	**0.044**	**C147 B**	0.019	0.000054	ng/g	☼	04/27/18 08:13	05/09/18 05:01	1
PCB-150	ND		0.0096	0.00013	ng/g	☼	04/27/18 08:13	05/09/18 05:01	1
PCB-151	**0.023**	**q C135**	0.019	0.00020	ng/g	☼	04/27/18 08:13	05/09/18 05:01	1
PCB-152	**0.00027**	**J q**	0.0096	0.00014	ng/g	☼	04/27/18 08:13	05/09/18 05:01	1
PCB-153	**0.036**	**C**	0.019	0.000042	ng/g	☼	04/27/18 08:13	05/09/18 05:01	1
PCB-154	ND		0.0096	0.00017	ng/g	☼	04/27/18 08:13	05/09/18 05:01	1
PCB-155	ND		0.0096	0.00014	ng/g	☼	04/27/18 08:13	05/09/18 05:01	1
PCB-156	**0.0039**	**J C B**	0.019	0.000049	ng/g	☼	04/27/18 08:13	05/09/18 05:01	1
PCB-157	**0.0039**	**J C156 B**	0.019	0.000049	ng/g	☼	04/27/18 08:13	05/09/18 05:01	1
PCB-158	**0.0051**	**J**	0.0096	0.000037	ng/g	☼	04/27/18 08:13	05/09/18 05:01	1
PCB-159	**0.0010**	**J q B**	0.0096	0.000038	ng/g	☼	04/27/18 08:13	05/09/18 05:01	1
PCB-160	**0.047**	**C129 B**	0.039	0.000048	ng/g	☼	04/27/18 08:13	05/09/18 05:01	1
PCB-161	ND		0.0096	0.000039	ng/g	☼	04/27/18 08:13	05/09/18 05:01	1
PCB-162	ND		0.0096	0.000037	ng/g	☼	04/27/18 08:13	05/09/18 05:01	1
PCB-163	**0.047**	**C129 B**	0.039	0.000048	ng/g	☼	04/27/18 08:13	05/09/18 05:01	1
PCB-164	**0.0030**	**J q**	0.0096	0.000040	ng/g	☼	04/27/18 08:13	05/09/18 05:01	1
PCB-165	ND		0.0096	0.000045	ng/g	☼	04/27/18 08:13	05/09/18 05:01	1
PCB-166	**0.0064**	**J q C128 B**	0.019	0.000047	ng/g	☼	04/27/18 08:13	05/09/18 05:01	1
PCB-167	**0.00091**	**J q B**	0.0096	0.000028	ng/g	☼	04/27/18 08:13	05/09/18 05:01	1
PCB-168	**0.036**	**C153**	0.019	0.000042	ng/g	☼	04/27/18 08:13	05/09/18 05:01	1
PCB-169	ND		0.0096	0.000030	ng/g	☼	04/27/18 08:13	05/09/18 05:01	1
PCB-170	**0.014**	**q**	0.0096	0.000054	ng/g	☼	04/27/18 08:13	05/09/18 05:01	1
PCB-171	**0.0019**	**J q C**	0.019	0.000054	ng/g	☼	04/27/18 08:13	05/09/18 05:01	1
PCB-172	**0.0019**	**J q**	0.0096	0.000053	ng/g	☼	04/27/18 08:13	05/09/18 05:01	1
PCB-173	**0.0019**	**J q C171**	0.019	0.000054	ng/g	☼	04/27/18 08:13	05/09/18 05:01	1
PCB-174	**0.015**	**q**	0.0096	0.000055	ng/g	☼	04/27/18 08:13	05/09/18 05:01	1
PCB-175	ND		0.0096	0.000050	ng/g	☼	04/27/18 08:13	05/09/18 05:01	1
PCB-176	**0.00061**	**J q**	0.0096	0.000035	ng/g	☼	04/27/18 08:13	05/09/18 05:01	1
PCB-177	**0.0087**	**J q**	0.0096	0.000056	ng/g	☼	04/27/18 08:13	05/09/18 05:01	1
PCB-178	**0.0039**	**J**	0.0096	0.000052	ng/g	☼	04/27/18 08:13	05/09/18 05:01	1
PCB-179	**0.0087**	**J**	0.0096	0.000038	ng/g	☼	04/27/18 08:13	05/09/18 05:01	1
PCB-180	**0.037**	**C**	0.019	0.000041	ng/g	☼	04/27/18 08:13	05/09/18 05:01	1
PCB-181	ND		0.0096	0.000048	ng/g	☼	04/27/18 08:13	05/09/18 05:01	1
PCB-182	ND		0.0096	0.000045	ng/g	☼	04/27/18 08:13	05/09/18 05:01	1
PCB-183	**0.0094**	**J q C**	0.019	0.000046	ng/g	☼	04/27/18 08:13	05/09/18 05:01	1
PCB-184	ND		0.0096	0.000039	ng/g	☼	04/27/18 08:13	05/09/18 05:01	1
PCB-185	**0.0094**	**J q C183**	0.019	0.000046	ng/g	☼	04/27/18 08:13	05/09/18 05:01	1
PCB-186	ND		0.0096	0.000037	ng/g	☼	04/27/18 08:13	05/09/18 05:01	1
PCB-187	**0.022**		0.0096	0.000047	ng/g	☼	04/27/18 08:13	05/09/18 05:01	1
PCB-188	ND		0.0096	0.000035	ng/g	☼	04/27/18 08:13	05/09/18 05:01	1
PCB-189	**0.00045**	**J q**	0.0096	0.00013	ng/g	☼	04/27/18 08:13	05/09/18 05:01	1
PCB-190	**0.0038**	**J**	0.0096	0.000035	ng/g	☼	04/27/18 08:13	05/09/18 05:01	1
PCB-191	ND		0.0096	0.000036	ng/g	☼	04/27/18 08:13	05/09/18 05:01	1
PCB-192	ND		0.0096	0.000038	ng/g	☼	04/27/18 08:13	05/09/18 05:01	1
PCB-193	**0.037**	**C180**	0.019	0.000041	ng/g	☼	04/27/18 08:13	05/09/18 05:01	1
PCB-194	**0.0060**	**J q B**	0.0096	0.00011	ng/g	☼	04/27/18 08:13	05/09/18 05:01	1
PCB-195	**0.0024**	**J q**	0.0096	0.00013	ng/g	☼	04/27/18 08:13	05/09/18 05:01	1
PCB-196	**0.0010**	**J q**	0.0096	0.00019	ng/g	☼	04/27/18 08:13	05/09/18 05:01	1

Client Sample ID: PDI-SG-B177-BL1
Date Collected: 04/18/18 12:10
Date Received: 04/20/18 13:00

Lab Sample ID: 580-76755-11
Matrix: Solid
Percent Solids: 73.6

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-197	ND		0.0096	0.00013	ng/g	☼	04/27/18 08:13	05/09/18 05:01	1
PCB-198	**0.0051**	**J q C**	0.019	0.00020	ng/g	☼	04/27/18 08:13	05/09/18 05:01	1
PCB-199	**0.0051**	**J q C198**	0.019	0.00020	ng/g	☼	04/27/18 08:13	05/09/18 05:01	1
PCB-200	ND		0.0096	0.00014	ng/g	☼	04/27/18 08:13	05/09/18 05:01	1
PCB-201	**0.00095**	**J q**	0.0096	0.00014	ng/g	☼	04/27/18 08:13	05/09/18 05:01	1
PCB-202	**0.00092**	**J q**	0.0096	0.00015	ng/g	☼	04/27/18 08:13	05/09/18 05:01	1
PCB-203	**0.0014**	**J q**	0.0096	0.00017	ng/g	☼	04/27/18 08:13	05/09/18 05:01	1
PCB-204	ND		0.0096	0.00014	ng/g	☼	04/27/18 08:13	05/09/18 05:01	1
PCB-205	**0.00037**	**J q**	0.0096	0.000085	ng/g	☼	04/27/18 08:13	05/09/18 05:01	1
PCB-206	**0.0052**	**J q**	0.0096	0.0013	ng/g	☼	04/27/18 08:13	05/09/18 05:01	1
PCB-207	ND		0.0096	0.00086	ng/g	☼	04/27/18 08:13	05/09/18 05:01	1
PCB-208	ND		0.0096	0.00094	ng/g	☼	04/27/18 08:13	05/09/18 05:01	1
PCB-209	**0.0056**	**J B**	0.0096	0.000087	ng/g	☼	04/27/18 08:13	05/09/18 05:01	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
PCB-1L	*80*		*30 - 140*	*04/27/18 08:13*	*05/09/18 05:01*	*1*
PCB-3L	*76*		*30 - 140*	*04/27/18 08:13*	*05/09/18 05:01*	*1*
PCB-4L	*77*		*30 - 140*	*04/27/18 08:13*	*05/09/18 05:01*	*1*
PCB-15L	*75*		*30 - 140*	*04/27/18 08:13*	*05/09/18 05:01*	*1*
PCB-19L	*71*		*30 - 140*	*04/27/18 08:13*	*05/09/18 05:01*	*1*
PCB-37L	*78*		*30 - 140*	*04/27/18 08:13*	*05/09/18 05:01*	*1*
PCB-54L	*96*		*30 - 140*	*04/27/18 08:13*	*05/09/18 05:01*	*1*
PCB-77L	*91*		*30 - 140*	*04/27/18 08:13*	*05/09/18 05:01*	*1*
PCB-81L	*91*		*30 - 140*	*04/27/18 08:13*	*05/09/18 05:01*	*1*
PCB-104L	*79*		*30 - 140*	*04/27/18 08:13*	*05/09/18 05:01*	*1*
PCB-105L	*82*		*30 - 140*	*04/27/18 08:13*	*05/09/18 05:01*	*1*
PCB-114L	*79*		*30 - 140*	*04/27/18 08:13*	*05/09/18 05:01*	*1*
PCB-118L	*84*		*30 - 140*	*04/27/18 08:13*	*05/09/18 05:01*	*1*
PCB-123L	*83*		*30 - 140*	*04/27/18 08:13*	*05/09/18 05:01*	*1*
PCB-126L	*88*		*30 - 140*	*04/27/18 08:13*	*05/09/18 05:01*	*1*
PCB-155L	*98*		*30 - 140*	*04/27/18 08:13*	*05/09/18 05:01*	*1*
PCB-156L	*89*	*C*	*30 - 140*	*04/27/18 08:13*	*05/09/18 05:01*	*1*
PCB-157L	*89*	*C156*	*30 - 140*	*04/27/18 08:13*	*05/09/18 05:01*	*1*
PCB-167L	*90*		*30 - 140*	*04/27/18 08:13*	*05/09/18 05:01*	*1*
PCB-169L	*88*		*30 - 140*	*04/27/18 08:13*	*05/09/18 05:01*	*1*
PCB-170L	*80*		*30 - 140*	*04/27/18 08:13*	*05/09/18 05:01*	*1*
PCB-188L	*82*		*30 - 140*	*04/27/18 08:13*	*05/09/18 05:01*	*1*
PCB-189L	*97*		*30 - 140*	*04/27/18 08:13*	*05/09/18 05:01*	*1*
PCB-202L	*97*		*30 - 140*	*04/27/18 08:13*	*05/09/18 05:01*	*1*
PCB-205L	*78*		*30 - 140*	*04/27/18 08:13*	*05/09/18 05:01*	*1*
PCB-206L	*67*		*30 - 140*	*04/27/18 08:13*	*05/09/18 05:01*	*1*
PCB-208L	*66*		*30 - 140*	*04/27/18 08:13*	*05/09/18 05:01*	*1*
PCB-209L	*59*		*30 - 140*	*04/27/18 08:13*	*05/09/18 05:01*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
PCB-28L	*77*		*40 - 125*	*04/27/18 08:13*	*05/09/18 05:01*	*1*
PCB-111L	*88*		*40 - 125*	*04/27/18 08:13*	*05/09/18 05:01*	*1*
PCB-178L	*85*		*40 - 125*	*04/27/18 08:13*	*05/09/18 05:01*	*1*

Client Sample ID: PDI-SG-B185-BL1
Date Collected: 04/18/18 13:55
Date Received: 04/20/18 13:00

Lab Sample ID: 580-76755-12
Matrix: Solid
Percent Solids: 70.4

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1	0.0023	J q	0.0098	0.00034	ng/g	☼	04/27/18 08:13	05/09/18 06:05	1
PCB-2	0.0018	J q B	0.0098	0.00037	ng/g	☼	04/27/18 08:13	05/09/18 06:05	1
PCB-3	0.0018	J q B	0.0098	0.00044	ng/g	☼	04/27/18 08:13	05/09/18 06:05	1
PCB-4	0.011	J q	0.020	0.00096	ng/g	☼	04/27/18 08:13	05/09/18 06:05	1
PCB-5	ND		0.0098	0.00067	ng/g	☼	04/27/18 08:13	05/09/18 06:05	1
PCB-6	ND		0.0098	0.00066	ng/g	☼	04/27/18 08:13	05/09/18 06:05	1
PCB-7	ND		0.0098	0.00063	ng/g	☼	04/27/18 08:13	05/09/18 06:05	1
PCB-8	0.0063	J q B	0.020	0.00065	ng/g	☼	04/27/18 08:13	05/09/18 06:05	1
PCB-9	ND		0.0098	0.00074	ng/g	☼	04/27/18 08:13	05/09/18 06:05	1
PCB-10	0.0023	J q	0.0098	0.00072	ng/g	☼	04/27/18 08:13	05/09/18 06:05	1
PCB-11	0.011	J B	0.020	0.00061	ng/g	☼	04/27/18 08:13	05/09/18 06:05	1
PCB-12	0.0024	J q C B	0.020	0.00061	ng/g	☼	04/27/18 08:13	05/09/18 06:05	1
PCB-13	0.0024	J q C12 B	0.020	0.00061	ng/g	☼	04/27/18 08:13	05/09/18 06:05	1
PCB-14	ND		0.0098	0.00056	ng/g	☼	04/27/18 08:13	05/09/18 06:05	1
PCB-15	0.0074	J q	0.0098	0.00067	ng/g	☼	04/27/18 08:13	05/09/18 06:05	1
PCB-16	0.0043	J q	0.0098	0.00026	ng/g	☼	04/27/18 08:13	05/09/18 06:05	1
PCB-17	0.013	q	0.0098	0.00020	ng/g	☼	04/27/18 08:13	05/09/18 06:05	1
PCB-18	0.016	J C	0.020	0.00018	ng/g	☼	04/27/18 08:13	05/09/18 06:05	1
PCB-19	0.016		0.0098	0.00025	ng/g	☼	04/27/18 08:13	05/09/18 06:05	1
PCB-20	0.048	C B	0.020	0.00094	ng/g	☼	04/27/18 08:13	05/09/18 06:05	1
PCB-21	0.013	J C B	0.020	0.00088	ng/g	☼	04/27/18 08:13	05/09/18 06:05	1
PCB-22	0.0099	B	0.0098	0.00096	ng/g	☼	04/27/18 08:13	05/09/18 06:05	1
PCB-23	ND		0.0098	0.00094	ng/g	☼	04/27/18 08:13	05/09/18 06:05	1
PCB-24	ND		0.0098	0.00015	ng/g	☼	04/27/18 08:13	05/09/18 06:05	1
PCB-25	0.0099	B	0.0098	0.00090	ng/g	☼	04/27/18 08:13	05/09/18 06:05	1
PCB-26	0.014	J q C B	0.020	0.00094	ng/g	☼	04/27/18 08:13	05/09/18 06:05	1
PCB-27	0.0028	J q	0.0098	0.00015	ng/g	☼	04/27/18 08:13	05/09/18 06:05	1
PCB-28	0.048	C20 B	0.020	0.00094	ng/g	☼	04/27/18 08:13	05/09/18 06:05	1
PCB-29	0.014	J q C26 B	0.020	0.00094	ng/g	☼	04/27/18 08:13	05/09/18 06:05	1
PCB-30	0.016	J C18	0.020	0.00018	ng/g	☼	04/27/18 08:13	05/09/18 06:05	1
PCB-31	0.023	q B	0.020	0.00087	ng/g	☼	04/27/18 08:13	05/09/18 06:05	1
PCB-32	0.016		0.0098	0.00014	ng/g	☼	04/27/18 08:13	05/09/18 06:05	1
PCB-33	0.013	J C21 B	0.020	0.00088	ng/g	☼	04/27/18 08:13	05/09/18 06:05	1
PCB-34	ND		0.0098	0.00098	ng/g	☼	04/27/18 08:13	05/09/18 06:05	1
PCB-35	ND		0.0098	0.00093	ng/g	☼	04/27/18 08:13	05/09/18 06:05	1
PCB-36	ND		0.0098	0.00085	ng/g	☼	04/27/18 08:13	05/09/18 06:05	1
PCB-37	0.012		0.0098	0.00087	ng/g	☼	04/27/18 08:13	05/09/18 06:05	1
PCB-38	ND		0.0098	0.00092	ng/g	☼	04/27/18 08:13	05/09/18 06:05	1
PCB-39	ND		0.0098	0.00084	ng/g	☼	04/27/18 08:13	05/09/18 06:05	1
PCB-40	0.037	q C	0.030	0.0016	ng/g	☼	04/27/18 08:13	05/09/18 06:05	1
PCB-41	0.037	q C40	0.030	0.0016	ng/g	☼	04/27/18 08:13	05/09/18 06:05	1
PCB-42	0.015	q	0.0098	0.0016	ng/g	☼	04/27/18 08:13	05/09/18 06:05	1
PCB-43	ND	C	0.020	0.0015	ng/g	☼	04/27/18 08:13	05/09/18 06:05	1
PCB-44	0.12	C B	0.030	0.0015	ng/g	☼	04/27/18 08:13	05/09/18 06:05	1
PCB-45	0.036	C	0.020	0.0017	ng/g	☼	04/27/18 08:13	05/09/18 06:05	1
PCB-46	0.0097	J	0.0098	0.0020	ng/g	☼	04/27/18 08:13	05/09/18 06:05	1
PCB-47	0.12	C44 B	0.030	0.0015	ng/g	☼	04/27/18 08:13	05/09/18 06:05	1
PCB-48	0.0058	J	0.0098	0.0016	ng/g	☼	04/27/18 08:13	05/09/18 06:05	1
PCB-49	0.080	C	0.020	0.0013	ng/g	☼	04/27/18 08:13	05/09/18 06:05	1

Client Sample ID: PDI-SG-B185-BL1
Date Collected: 04/18/18 13:55
Date Received: 04/20/18 13:00

Lab Sample ID: 580-76755-12
Matrix: Solid
Percent Solids: 70.4

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-50	0.041	C	0.020	0.0016	ng/g	☼	04/27/18 08:13	05/09/18 06:05	1
PCB-51	0.036	C45	0.020	0.0017	ng/g	☼	04/27/18 08:13	05/09/18 06:05	1
PCB-52	0.14		0.0098	0.0017	ng/g	☼	04/27/18 08:13	05/09/18 06:05	1
PCB-53	0.041	C50	0.020	0.0016	ng/g	☼	04/27/18 08:13	05/09/18 06:05	1
PCB-54	0.00099	J	0.0098	0.00021	ng/g	☼	04/27/18 08:13	05/09/18 06:05	1
PCB-55	ND		0.0098	0.0011	ng/g	☼	04/27/18 08:13	05/09/18 06:05	1
PCB-56	0.018		0.0098	0.0011	ng/g	☼	04/27/18 08:13	05/09/18 06:05	1
PCB-57	ND		0.0098	0.0011	ng/g	☼	04/27/18 08:13	05/09/18 06:05	1
PCB-58	ND		0.0098	0.0011	ng/g	☼	04/27/18 08:13	05/09/18 06:05	1
PCB-59	0.0061	J q C	0.030	0.0011	ng/g	☼	04/27/18 08:13	05/09/18 06:05	1
PCB-60	0.0078	J	0.0098	0.0011	ng/g	☼	04/27/18 08:13	05/09/18 06:05	1
PCB-61	0.10	C B	0.039	0.0011	ng/g	☼	04/27/18 08:13	05/09/18 06:05	1
PCB-62	0.0061	J q C59	0.030	0.0011	ng/g	☼	04/27/18 08:13	05/09/18 06:05	1
PCB-63	0.0027	J	0.0098	0.00098	ng/g	☼	04/27/18 08:13	05/09/18 06:05	1
PCB-64	0.023		0.0098	0.0010	ng/g	☼	04/27/18 08:13	05/09/18 06:05	1
PCB-65	0.12	C44 B	0.030	0.0015	ng/g	☼	04/27/18 08:13	05/09/18 06:05	1
PCB-66	0.066		0.0098	0.0011	ng/g	☼	04/27/18 08:13	05/09/18 06:05	1
PCB-67	ND		0.0098	0.0010	ng/g	☼	04/27/18 08:13	05/09/18 06:05	1
PCB-68	0.0038	J q	0.0098	0.00099	ng/g	☼	04/27/18 08:13	05/09/18 06:05	1
PCB-69	0.080	C49	0.020	0.0013	ng/g	☼	04/27/18 08:13	05/09/18 06:05	1
PCB-70	0.10	C61 B	0.039	0.0011	ng/g	☼	04/27/18 08:13	05/09/18 06:05	1
PCB-71	0.037	q C40	0.030	0.0016	ng/g	☼	04/27/18 08:13	05/09/18 06:05	1
PCB-72	0.0040	J	0.0098	0.0011	ng/g	☼	04/27/18 08:13	05/09/18 06:05	1
PCB-73	ND	C43	0.020	0.0015	ng/g	☼	04/27/18 08:13	05/09/18 06:05	1
PCB-74	0.10	C61 B	0.039	0.0011	ng/g	☼	04/27/18 08:13	05/09/18 06:05	1
PCB-75	0.0061	J q C59	0.030	0.0011	ng/g	☼	04/27/18 08:13	05/09/18 06:05	1
PCB-76	0.10	C61 B	0.039	0.0011	ng/g	☼	04/27/18 08:13	05/09/18 06:05	1
PCB-77	0.0052	J q	0.0098	0.0010	ng/g	☼	04/27/18 08:13	05/09/18 06:05	1
PCB-78	ND		0.0098	0.0011	ng/g	☼	04/27/18 08:13	05/09/18 06:05	1
PCB-79	ND		0.0098	0.00094	ng/g	☼	04/27/18 08:13	05/09/18 06:05	1
PCB-80	ND		0.0098	0.00097	ng/g	☼	04/27/18 08:13	05/09/18 06:05	1
PCB-81	ND		0.0098	0.0010	ng/g	☼	04/27/18 08:13	05/09/18 06:05	1
PCB-82	0.029	q	0.0098	0.0029	ng/g	☼	04/27/18 08:13	05/09/18 06:05	1
PCB-83	0.55	C	0.020	0.0027	ng/g	☼	04/27/18 08:13	05/09/18 06:05	1
PCB-84	0.091		0.0098	0.0030	ng/g	☼	04/27/18 08:13	05/09/18 06:05	1
PCB-85	0.034	C	0.030	0.0021	ng/g	☼	04/27/18 08:13	05/09/18 06:05	1
PCB-86	0.22	C	0.059	0.0022	ng/g	☼	04/27/18 08:13	05/09/18 06:05	1
PCB-87	0.22	C86	0.059	0.0022	ng/g	☼	04/27/18 08:13	05/09/18 06:05	1
PCB-88	0.12	C	0.020	0.0026	ng/g	☼	04/27/18 08:13	05/09/18 06:05	1
PCB-89	ND		0.0098	0.0028	ng/g	☼	04/27/18 08:13	05/09/18 06:05	1
PCB-90	0.66	C	0.030	0.0022	ng/g	☼	04/27/18 08:13	05/09/18 06:05	1
PCB-91	0.12	C88	0.020	0.0026	ng/g	☼	04/27/18 08:13	05/09/18 06:05	1
PCB-92	0.30		0.0098	0.0027	ng/g	☼	04/27/18 08:13	05/09/18 06:05	1
PCB-93	0.023	C	0.020	0.0026	ng/g	☼	04/27/18 08:13	05/09/18 06:05	1
PCB-94	ND		0.0098	0.0028	ng/g	☼	04/27/18 08:13	05/09/18 06:05	1
PCB-95	0.48		0.0098	0.0027	ng/g	☼	04/27/18 08:13	05/09/18 06:05	1
PCB-96	0.0044	J q	0.0098	0.0021	ng/g	☼	04/27/18 08:13	05/09/18 06:05	1
PCB-97	0.22	C86	0.059	0.0022	ng/g	☼	04/27/18 08:13	05/09/18 06:05	1
PCB-98	0.013	J C	0.020	0.0026	ng/g	☼	04/27/18 08:13	05/09/18 06:05	1

Client Sample ID: PDI-SG-B185-BL1
Date Collected: 04/18/18 13:55
Date Received: 04/20/18 13:00

Lab Sample ID: 580-76755-12
Matrix: Solid
Percent Solids: 70.4

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-99	0.55	C83	0.020	0.0027	ng/g	☼	04/27/18 08:13	05/09/18 06:05	1
PCB-100	0.023	C93	0.020	0.0026	ng/g	☼	04/27/18 08:13	05/09/18 06:05	1
PCB-101	0.66	C90	0.030	0.0022	ng/g	☼	04/27/18 08:13	05/09/18 06:05	1
PCB-102	0.013	J C98	0.020	0.0026	ng/g	☼	04/27/18 08:13	05/09/18 06:05	1
PCB-103	0.064		0.0098	0.0024	ng/g	☼	04/27/18 08:13	05/09/18 06:05	1
PCB-104	ND		0.0098	0.0019	ng/g	☼	04/27/18 08:13	05/09/18 06:05	1
PCB-105	0.055		0.0098	0.0017	ng/g	☼	04/27/18 08:13	05/09/18 06:05	1
PCB-106	ND		0.0098	0.0018	ng/g	☼	04/27/18 08:13	05/09/18 06:05	1
PCB-107	0.028		0.0098	0.0017	ng/g	☼	04/27/18 08:13	05/09/18 06:05	1
PCB-108	0.0087	J C	0.020	0.0018	ng/g	☼	04/27/18 08:13	05/09/18 06:05	1
PCB-109	0.22	C86	0.059	0.0022	ng/g	☼	04/27/18 08:13	05/09/18 06:05	1
PCB-110	0.47	C	0.020	0.0018	ng/g	☼	04/27/18 08:13	05/09/18 06:05	1
PCB-111	ND		0.0098	0.0017	ng/g	☼	04/27/18 08:13	05/09/18 06:05	1
PCB-112	ND		0.0098	0.0018	ng/g	☼	04/27/18 08:13	05/09/18 06:05	1
PCB-113	0.66	C90	0.030	0.0022	ng/g	☼	04/27/18 08:13	05/09/18 06:05	1
PCB-114	ND		0.0098	0.0016	ng/g	☼	04/27/18 08:13	05/09/18 06:05	1
PCB-115	0.47	C110	0.020	0.0018	ng/g	☼	04/27/18 08:13	05/09/18 06:05	1
PCB-116	0.034	C85	0.030	0.0021	ng/g	☼	04/27/18 08:13	05/09/18 06:05	1
PCB-117	0.034	C85	0.030	0.0021	ng/g	☼	04/27/18 08:13	05/09/18 06:05	1
PCB-118	0.19	B	0.0098	0.0017	ng/g	☼	04/27/18 08:13	05/09/18 06:05	1
PCB-119	0.22	C86	0.059	0.0022	ng/g	☼	04/27/18 08:13	05/09/18 06:05	1
PCB-120	0.0088	J	0.0098	0.0017	ng/g	☼	04/27/18 08:13	05/09/18 06:05	1
PCB-121	ND		0.0098	0.0018	ng/g	☼	04/27/18 08:13	05/09/18 06:05	1
PCB-122	ND		0.0098	0.0020	ng/g	☼	04/27/18 08:13	05/09/18 06:05	1
PCB-123	0.0030	J q	0.0098	0.0016	ng/g	☼	04/27/18 08:13	05/09/18 06:05	1
PCB-124	0.0087	J C108	0.020	0.0018	ng/g	☼	04/27/18 08:13	05/09/18 06:05	1
PCB-125	0.22	C86	0.059	0.0022	ng/g	☼	04/27/18 08:13	05/09/18 06:05	1
PCB-126	ND		0.0098	0.0017	ng/g	☼	04/27/18 08:13	05/09/18 06:05	1
PCB-127	ND		0.0098	0.0017	ng/g	☼	04/27/18 08:13	05/09/18 06:05	1
PCB-128	0.054	C B	0.020	0.0025	ng/g	☼	04/27/18 08:13	05/09/18 06:05	1
PCB-129	0.41	C B	0.039	0.0025	ng/g	☼	04/27/18 08:13	05/09/18 06:05	1
PCB-130	0.030		0.0098	0.0034	ng/g	☼	04/27/18 08:13	05/09/18 06:05	1
PCB-131	0.0042	J q	0.0098	0.0034	ng/g	☼	04/27/18 08:13	05/09/18 06:05	1
PCB-132	0.20		0.0098	0.0033	ng/g	☼	04/27/18 08:13	05/09/18 06:05	1
PCB-133	0.019		0.0098	0.0032	ng/g	☼	04/27/18 08:13	05/09/18 06:05	1
PCB-134	0.041	q C	0.020	0.0033	ng/g	☼	04/27/18 08:13	05/09/18 06:05	1
PCB-135	0.41	C	0.020	0.00045	ng/g	☼	04/27/18 08:13	05/09/18 06:05	1
PCB-136	0.15		0.0098	0.00033	ng/g	☼	04/27/18 08:13	05/09/18 06:05	1
PCB-137	0.0053	J q	0.0098	0.0027	ng/g	☼	04/27/18 08:13	05/09/18 06:05	1
PCB-138	0.41	C129 B	0.039	0.0025	ng/g	☼	04/27/18 08:13	05/09/18 06:05	1
PCB-139	0.010	J q C	0.020	0.0028	ng/g	☼	04/27/18 08:13	05/09/18 06:05	1
PCB-140	0.010	J q C139	0.020	0.0028	ng/g	☼	04/27/18 08:13	05/09/18 06:05	1
PCB-141	0.086		0.0098	0.0029	ng/g	☼	04/27/18 08:13	05/09/18 06:05	1
PCB-142	ND		0.0098	0.0032	ng/g	☼	04/27/18 08:13	05/09/18 06:05	1
PCB-143	0.041	q C134	0.020	0.0033	ng/g	☼	04/27/18 08:13	05/09/18 06:05	1
PCB-144	0.020	q	0.0098	0.00042	ng/g	☼	04/27/18 08:13	05/09/18 06:05	1
PCB-145	ND		0.0098	0.00033	ng/g	☼	04/27/18 08:13	05/09/18 06:05	1
PCB-146	0.11		0.0098	0.0027	ng/g	☼	04/27/18 08:13	05/09/18 06:05	1
PCB-147	0.64	C B	0.020	0.0028	ng/g	☼	04/27/18 08:13	05/09/18 06:05	1

Client Sample ID: PDI-SG-B185-BL1
Date Collected: 04/18/18 13:55
Date Received: 04/20/18 13:00

Lab Sample ID: 580-76755-12
Matrix: Solid
Percent Solids: 70.4

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-148	0.0037	J	0.0098	0.00044	ng/g	☼	04/27/18 08:13	05/09/18 06:05	1
PCB-149	0.64	C147 B	0.020	0.0028	ng/g	☼	04/27/18 08:13	05/09/18 06:05	1
PCB-150	0.0028	J	0.0098	0.00030	ng/g	☼	04/27/18 08:13	05/09/18 06:05	1
PCB-151	0.41	C135	0.020	0.00045	ng/g	☼	04/27/18 08:13	05/09/18 06:05	1
PCB-152	ND		0.0098	0.00032	ng/g	☼	04/27/18 08:13	05/09/18 06:05	1
PCB-153	0.41	C	0.020	0.0022	ng/g	☼	04/27/18 08:13	05/09/18 06:05	1
PCB-154	0.028		0.0098	0.00038	ng/g	☼	04/27/18 08:13	05/09/18 06:05	1
PCB-155	ND		0.0098	0.00030	ng/g	☼	04/27/18 08:13	05/09/18 06:05	1
PCB-156	0.020	q C B	0.020	0.0027	ng/g	☼	04/27/18 08:13	05/09/18 06:05	1
PCB-157	0.020	q C156 B	0.020	0.0027	ng/g	☼	04/27/18 08:13	05/09/18 06:05	1
PCB-158	0.034		0.0098	0.0020	ng/g	☼	04/27/18 08:13	05/09/18 06:05	1
PCB-159	0.0046	J B	0.0098	0.0020	ng/g	☼	04/27/18 08:13	05/09/18 06:05	1
PCB-160	0.41	C129 B	0.039	0.0025	ng/g	☼	04/27/18 08:13	05/09/18 06:05	1
PCB-161	ND		0.0098	0.0021	ng/g	☼	04/27/18 08:13	05/09/18 06:05	1
PCB-162	ND		0.0098	0.0020	ng/g	☼	04/27/18 08:13	05/09/18 06:05	1
PCB-163	0.41	C129 B	0.039	0.0025	ng/g	☼	04/27/18 08:13	05/09/18 06:05	1
PCB-164	0.037		0.0098	0.0021	ng/g	☼	04/27/18 08:13	05/09/18 06:05	1
PCB-165	ND		0.0098	0.0024	ng/g	☼	04/27/18 08:13	05/09/18 06:05	1
PCB-166	0.054	C128 B	0.020	0.0025	ng/g	☼	04/27/18 08:13	05/09/18 06:05	1
PCB-167	0.011	B	0.0098	0.0015	ng/g	☼	04/27/18 08:13	05/09/18 06:05	1
PCB-168	0.41	C153	0.020	0.0022	ng/g	☼	04/27/18 08:13	05/09/18 06:05	1
PCB-169	ND		0.0098	0.0015	ng/g	☼	04/27/18 08:13	05/09/18 06:05	1
PCB-170	0.087		0.0098	0.000072	ng/g	☼	04/27/18 08:13	05/09/18 06:05	1
PCB-171	0.033	C	0.020	0.000074	ng/g	☼	04/27/18 08:13	05/09/18 06:05	1
PCB-172	0.012		0.0098	0.000072	ng/g	☼	04/27/18 08:13	05/09/18 06:05	1
PCB-173	0.033	C171	0.020	0.000074	ng/g	☼	04/27/18 08:13	05/09/18 06:05	1
PCB-174	0.12		0.0098	0.000076	ng/g	☼	04/27/18 08:13	05/09/18 06:05	1
PCB-175	0.0053	J q	0.0098	0.000068	ng/g	☼	04/27/18 08:13	05/09/18 06:05	1
PCB-176	0.013		0.0098	0.000048	ng/g	☼	04/27/18 08:13	05/09/18 06:05	1
PCB-177	0.064	q	0.0098	0.000076	ng/g	☼	04/27/18 08:13	05/09/18 06:05	1
PCB-178	0.019	q	0.0098	0.000071	ng/g	☼	04/27/18 08:13	05/09/18 06:05	1
PCB-179	0.057		0.0098	0.000052	ng/g	☼	04/27/18 08:13	05/09/18 06:05	1
PCB-180	0.22	C	0.020	0.000056	ng/g	☼	04/27/18 08:13	05/09/18 06:05	1
PCB-181	ND		0.0098	0.000065	ng/g	☼	04/27/18 08:13	05/09/18 06:05	1
PCB-182	ND		0.0098	0.000062	ng/g	☼	04/27/18 08:13	05/09/18 06:05	1
PCB-183	0.070	C	0.020	0.000063	ng/g	☼	04/27/18 08:13	05/09/18 06:05	1
PCB-184	ND		0.0098	0.000053	ng/g	☼	04/27/18 08:13	05/09/18 06:05	1
PCB-185	0.070	C183	0.020	0.000063	ng/g	☼	04/27/18 08:13	05/09/18 06:05	1
PCB-186	ND		0.0098	0.000051	ng/g	☼	04/27/18 08:13	05/09/18 06:05	1
PCB-187	0.14		0.0098	0.000064	ng/g	☼	04/27/18 08:13	05/09/18 06:05	1
PCB-188	ND		0.0098	0.000048	ng/g	☼	04/27/18 08:13	05/09/18 06:05	1
PCB-189	0.0031	J q	0.0098	0.00027	ng/g	☼	04/27/18 08:13	05/09/18 06:05	1
PCB-190	0.019		0.0098	0.000048	ng/g	☼	04/27/18 08:13	05/09/18 06:05	1
PCB-191	0.0036	J q	0.0098	0.000049	ng/g	☼	04/27/18 08:13	05/09/18 06:05	1
PCB-192	ND		0.0098	0.000052	ng/g	☼	04/27/18 08:13	05/09/18 06:05	1
PCB-193	0.22	C180	0.020	0.000056	ng/g	☼	04/27/18 08:13	05/09/18 06:05	1
PCB-194	0.040	B	0.0098	0.00045	ng/g	☼	04/27/18 08:13	05/09/18 06:05	1
PCB-195	0.017		0.0098	0.00051	ng/g	☼	04/27/18 08:13	05/09/18 06:05	1
PCB-196	0.021		0.0098	0.00027	ng/g	☼	04/27/18 08:13	05/09/18 06:05	1

Client Sample ID: PDI-SG-B185-BL1
Date Collected: 04/18/18 13:55
Date Received: 04/20/18 13:00

Lab Sample ID: 580-76755-12
Matrix: Solid
Percent Solids: 70.4

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-197	0.0015	J	0.0098	0.00019	ng/g	☼	04/27/18 08:13	05/09/18 06:05	1
PCB-198	0.057	C	0.020	0.00029	ng/g	☼	04/27/18 08:13	05/09/18 06:05	1
PCB-199	0.057	C198	0.020	0.00029	ng/g	☼	04/27/18 08:13	05/09/18 06:05	1
PCB-200	0.0061	J q	0.0098	0.00021	ng/g	☼	04/27/18 08:13	05/09/18 06:05	1
PCB-201	0.0022	J q	0.0098	0.00020	ng/g	☼	04/27/18 08:13	05/09/18 06:05	1
PCB-202	0.011	q	0.0098	0.00022	ng/g	☼	04/27/18 08:13	05/09/18 06:05	1
PCB-203	0.036		0.0098	0.00026	ng/g	☼	04/27/18 08:13	05/09/18 06:05	1
PCB-204	ND		0.0098	0.00021	ng/g	☼	04/27/18 08:13	05/09/18 06:05	1
PCB-205	0.0017	J q	0.0098	0.00034	ng/g	☼	04/27/18 08:13	05/09/18 06:05	1
PCB-206	0.049		0.0098	0.0020	ng/g	☼	04/27/18 08:13	05/09/18 06:05	1
PCB-207	0.0063	J q	0.0098	0.0014	ng/g	☼	04/27/18 08:13	05/09/18 06:05	1
PCB-208	0.018		0.0098	0.0015	ng/g	☼	04/27/18 08:13	05/09/18 06:05	1
PCB-209	0.17	B	0.0098	0.00013	ng/g	☼	04/27/18 08:13	05/09/18 06:05	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
PCB-1L	*75*		*30 - 140*	*04/27/18 08:13*	*05/09/18 06:05*	*1*
PCB-3L	*73*		*30 - 140*	*04/27/18 08:13*	*05/09/18 06:05*	*1*
PCB-4L	*78*		*30 - 140*	*04/27/18 08:13*	*05/09/18 06:05*	*1*
PCB-15L	*80*		*30 - 140*	*04/27/18 08:13*	*05/09/18 06:05*	*1*
PCB-19L	*77*		*30 - 140*	*04/27/18 08:13*	*05/09/18 06:05*	*1*
PCB-37L	*85*		*30 - 140*	*04/27/18 08:13*	*05/09/18 06:05*	*1*
PCB-54L	*96*		*30 - 140*	*04/27/18 08:13*	*05/09/18 06:05*	*1*
PCB-77L	*90*		*30 - 140*	*04/27/18 08:13*	*05/09/18 06:05*	*1*
PCB-81L	*86*		*30 - 140*	*04/27/18 08:13*	*05/09/18 06:05*	*1*
PCB-104L	*88*		*30 - 140*	*04/27/18 08:13*	*05/09/18 06:05*	*1*
PCB-105L	*85*		*30 - 140*	*04/27/18 08:13*	*05/09/18 06:05*	*1*
PCB-114L	*80*		*30 - 140*	*04/27/18 08:13*	*05/09/18 06:05*	*1*
PCB-118L	*82*		*30 - 140*	*04/27/18 08:13*	*05/09/18 06:05*	*1*
PCB-123L	*82*		*30 - 140*	*04/27/18 08:13*	*05/09/18 06:05*	*1*
PCB-126L	*85*		*30 - 140*	*04/27/18 08:13*	*05/09/18 06:05*	*1*
PCB-155L	*98*		*30 - 140*	*04/27/18 08:13*	*05/09/18 06:05*	*1*
PCB-156L	*85*	*C*	*30 - 140*	*04/27/18 08:13*	*05/09/18 06:05*	*1*
PCB-157L	*85*	*C156*	*30 - 140*	*04/27/18 08:13*	*05/09/18 06:05*	*1*
PCB-167L	*84*		*30 - 140*	*04/27/18 08:13*	*05/09/18 06:05*	*1*
PCB-169L	*87*		*30 - 140*	*04/27/18 08:13*	*05/09/18 06:05*	*1*
PCB-170L	*92*		*30 - 140*	*04/27/18 08:13*	*05/09/18 06:05*	*1*
PCB-188L	*91*		*30 - 140*	*04/27/18 08:13*	*05/09/18 06:05*	*1*
PCB-189L	*104*		*30 - 140*	*04/27/18 08:13*	*05/09/18 06:05*	*1*
PCB-202L	*94*		*30 - 140*	*04/27/18 08:13*	*05/09/18 06:05*	*1*
PCB-205L	*79*		*30 - 140*	*04/27/18 08:13*	*05/09/18 06:05*	*1*
PCB-206L	*69*		*30 - 140*	*04/27/18 08:13*	*05/09/18 06:05*	*1*
PCB-208L	*70*		*30 - 140*	*04/27/18 08:13*	*05/09/18 06:05*	*1*
PCB-209L	*62*		*30 - 140*	*04/27/18 08:13*	*05/09/18 06:05*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
PCB-28L	*75*		*40 - 125*	*04/27/18 08:13*	*05/09/18 06:05*	*1*
PCB-111L	*90*		*40 - 125*	*04/27/18 08:13*	*05/09/18 06:05*	*1*
PCB-178L	*87*		*40 - 125*	*04/27/18 08:13*	*05/09/18 06:05*	*1*

Client Sample ID: PDI-SG-B190-BL1
Date Collected: 04/18/18 15:20
Date Received: 04/20/18 13:00

Lab Sample ID: 580-76755-13
Matrix: Solid
Percent Solids: 73.7

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1	**0.0011**	**J q**	0.0097	0.00020	ng/g	☼	04/27/18 08:13	05/09/18 07:09	1
PCB-2	ND		0.0097	0.00021	ng/g	☼	04/27/18 08:13	05/09/18 07:09	1
PCB-3	ND		0.0097	0.00025	ng/g	☼	04/27/18 08:13	05/09/18 07:09	1
PCB-4	**0.0019**	**J q**	0.019	0.00060	ng/g	☼	04/27/18 08:13	05/09/18 07:09	1
PCB-5	ND		0.0097	0.00044	ng/g	☼	04/27/18 08:13	05/09/18 07:09	1
PCB-6	ND		0.0097	0.00043	ng/g	☼	04/27/18 08:13	05/09/18 07:09	1
PCB-7	ND		0.0097	0.00041	ng/g	☼	04/27/18 08:13	05/09/18 07:09	1
PCB-8	**0.0031**	**J q B**	0.019	0.00042	ng/g	☼	04/27/18 08:13	05/09/18 07:09	1
PCB-9	ND		0.0097	0.00048	ng/g	☼	04/27/18 08:13	05/09/18 07:09	1
PCB-10	**0.00085**	**J q**	0.0097	0.00047	ng/g	☼	04/27/18 08:13	05/09/18 07:09	1
PCB-11	**0.0048**	**J q B**	0.019	0.00040	ng/g	☼	04/27/18 08:13	05/09/18 07:09	1
PCB-12	ND	C	0.019	0.00040	ng/g	☼	04/27/18 08:13	05/09/18 07:09	1
PCB-13	ND	C12	0.019	0.00040	ng/g	☼	04/27/18 08:13	05/09/18 07:09	1
PCB-14	ND		0.0097	0.00036	ng/g	☼	04/27/18 08:13	05/09/18 07:09	1
PCB-15	ND		0.0097	0.00045	ng/g	☼	04/27/18 08:13	05/09/18 07:09	1
PCB-16	**0.0016**	**J q**	0.0097	0.00014	ng/g	☼	04/27/18 08:13	05/09/18 07:09	1
PCB-17	**0.0038**	**J**	0.0097	0.00011	ng/g	☼	04/27/18 08:13	05/09/18 07:09	1
PCB-18	**0.0024**	**J q C**	0.019	0.000095	ng/g	☼	04/27/18 08:13	05/09/18 07:09	1
PCB-19	**0.0011**	**J q**	0.0097	0.00013	ng/g	☼	04/27/18 08:13	05/09/18 07:09	1
PCB-20	**0.012**	**J q C B**	0.019	0.00063	ng/g	☼	04/27/18 08:13	05/09/18 07:09	1
PCB-21	**0.0046**	**J C B**	0.019	0.00059	ng/g	☼	04/27/18 08:13	05/09/18 07:09	1
PCB-22	**0.0036**	**J B**	0.0097	0.00064	ng/g	☼	04/27/18 08:13	05/09/18 07:09	1
PCB-23	ND		0.0097	0.00063	ng/g	☼	04/27/18 08:13	05/09/18 07:09	1
PCB-24	ND		0.0097	0.000082	ng/g	☼	04/27/18 08:13	05/09/18 07:09	1
PCB-25	**0.0014**	**J q B**	0.0097	0.00060	ng/g	☼	04/27/18 08:13	05/09/18 07:09	1
PCB-26	**0.0028**	**J C B**	0.019	0.00063	ng/g	☼	04/27/18 08:13	05/09/18 07:09	1
PCB-27	**0.00021**	**J q**	0.0097	0.000081	ng/g	☼	04/27/18 08:13	05/09/18 07:09	1
PCB-28	**0.012**	**J q C20 B**	0.019	0.00063	ng/g	☼	04/27/18 08:13	05/09/18 07:09	1
PCB-29	**0.0028**	**J C26 B**	0.019	0.00063	ng/g	☼	04/27/18 08:13	05/09/18 07:09	1
PCB-30	**0.0024**	**J q C18**	0.019	0.000095	ng/g	☼	04/27/18 08:13	05/09/18 07:09	1
PCB-31	**0.0086**	**J B**	0.019	0.00058	ng/g	☼	04/27/18 08:13	05/09/18 07:09	1
PCB-32	**0.00032**	**J q**	0.0097	0.000075	ng/g	☼	04/27/18 08:13	05/09/18 07:09	1
PCB-33	**0.0046**	**J C21 B**	0.019	0.00059	ng/g	☼	04/27/18 08:13	05/09/18 07:09	1
PCB-34	ND		0.0097	0.00065	ng/g	☼	04/27/18 08:13	05/09/18 07:09	1
PCB-35	ND		0.0097	0.00062	ng/g	☼	04/27/18 08:13	05/09/18 07:09	1
PCB-36	ND		0.0097	0.00057	ng/g	☼	04/27/18 08:13	05/09/18 07:09	1
PCB-37	**0.0036**	**J**	0.0097	0.00059	ng/g	☼	04/27/18 08:13	05/09/18 07:09	1
PCB-38	ND		0.0097	0.00062	ng/g	☼	04/27/18 08:13	05/09/18 07:09	1
PCB-39	ND		0.0097	0.00056	ng/g	☼	04/27/18 08:13	05/09/18 07:09	1
PCB-40	**0.0072**	**J q C**	0.029	0.00059	ng/g	☼	04/27/18 08:13	05/09/18 07:09	1
PCB-41	**0.0072**	**J q C40**	0.029	0.00059	ng/g	☼	04/27/18 08:13	05/09/18 07:09	1
PCB-42	**0.0044**	**J**	0.0097	0.00059	ng/g	☼	04/27/18 08:13	05/09/18 07:09	1
PCB-43	ND	C	0.019	0.00053	ng/g	☼	04/27/18 08:13	05/09/18 07:09	1
PCB-44	**0.017**	**J q C B**	0.029	0.00052	ng/g	☼	04/27/18 08:13	05/09/18 07:09	1
PCB-45	**0.0049**	**J C**	0.019	0.00062	ng/g	☼	04/27/18 08:13	05/09/18 07:09	1
PCB-46	ND		0.0097	0.00072	ng/g	☼	04/27/18 08:13	05/09/18 07:09	1
PCB-47	**0.017**	**J q C44 B**	0.029	0.00052	ng/g	☼	04/27/18 08:13	05/09/18 07:09	1
PCB-48	**0.0014**	**J q**	0.0097	0.00056	ng/g	☼	04/27/18 08:13	05/09/18 07:09	1
PCB-49	**0.015**	**J C**	0.019	0.00047	ng/g	☼	04/27/18 08:13	05/09/18 07:09	1

Client Sample ID: PDI-SG-B190-BL1
Date Collected: 04/18/18 15:20
Date Received: 04/20/18 13:00

Lab Sample ID: 580-76755-13
Matrix: Solid
Percent Solids: 73.7

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-50	0.0039	J C	0.019	0.00059	ng/g	☼	04/27/18 08:13	05/09/18 07:09	1
PCB-51	0.0049	J C45	0.019	0.00062	ng/g	☼	04/27/18 08:13	05/09/18 07:09	1
PCB-52	0.021	q	0.0097	0.00062	ng/g	☼	04/27/18 08:13	05/09/18 07:09	1
PCB-53	0.0039	J C50	0.019	0.00059	ng/g	☼	04/27/18 08:13	05/09/18 07:09	1
PCB-54	0.00052	J q	0.0097	0.00016	ng/g	☼	04/27/18 08:13	05/09/18 07:09	1
PCB-55	0.00049	J q	0.0097	0.00040	ng/g	☼	04/27/18 08:13	05/09/18 07:09	1
PCB-56	0.0048	J q	0.0097	0.00041	ng/g	☼	04/27/18 08:13	05/09/18 07:09	1
PCB-57	ND		0.0097	0.00041	ng/g	☼	04/27/18 08:13	05/09/18 07:09	1
PCB-58	ND		0.0097	0.00039	ng/g	☼	04/27/18 08:13	05/09/18 07:09	1
PCB-59	0.0012	J q C	0.029	0.00040	ng/g	☼	04/27/18 08:13	05/09/18 07:09	1
PCB-60	0.0017	J q	0.0097	0.00040	ng/g	☼	04/27/18 08:13	05/09/18 07:09	1
PCB-61	0.021	J C B	0.039	0.00039	ng/g	☼	04/27/18 08:13	05/09/18 07:09	1
PCB-62	0.0012	J q C59	0.029	0.00040	ng/g	☼	04/27/18 08:13	05/09/18 07:09	1
PCB-63	ND		0.0097	0.00035	ng/g	☼	04/27/18 08:13	05/09/18 07:09	1
PCB-64	0.0050	J	0.0097	0.00037	ng/g	☼	04/27/18 08:13	05/09/18 07:09	1
PCB-65	0.017	J q C44 B	0.029	0.00052	ng/g	☼	04/27/18 08:13	05/09/18 07:09	1
PCB-66	0.015		0.0097	0.00039	ng/g	☼	04/27/18 08:13	05/09/18 07:09	1
PCB-67	ND		0.0097	0.00038	ng/g	☼	04/27/18 08:13	05/09/18 07:09	1
PCB-68	0.00094	J q	0.0097	0.00035	ng/g	☼	04/27/18 08:13	05/09/18 07:09	1
PCB-69	0.015	J C49	0.019	0.00047	ng/g	☼	04/27/18 08:13	05/09/18 07:09	1
PCB-70	0.021	J C61 B	0.039	0.00039	ng/g	☼	04/27/18 08:13	05/09/18 07:09	1
PCB-71	0.0072	J q C40	0.029	0.00059	ng/g	☼	04/27/18 08:13	05/09/18 07:09	1
PCB-72	ND		0.0097	0.00040	ng/g	☼	04/27/18 08:13	05/09/18 07:09	1
PCB-73	ND	C43	0.019	0.00053	ng/g	☼	04/27/18 08:13	05/09/18 07:09	1
PCB-74	0.021	J C61 B	0.039	0.00039	ng/g	☼	04/27/18 08:13	05/09/18 07:09	1
PCB-75	0.0012	J q C59	0.029	0.00040	ng/g	☼	04/27/18 08:13	05/09/18 07:09	1
PCB-76	0.021	J C61 B	0.039	0.00039	ng/g	☼	04/27/18 08:13	05/09/18 07:09	1
PCB-77	ND		0.0097	0.00037	ng/g	☼	04/27/18 08:13	05/09/18 07:09	1
PCB-78	ND		0.0097	0.00039	ng/g	☼	04/27/18 08:13	05/09/18 07:09	1
PCB-79	ND		0.0097	0.00034	ng/g	☼	04/27/18 08:13	05/09/18 07:09	1
PCB-80	ND		0.0097	0.00035	ng/g	☼	04/27/18 08:13	05/09/18 07:09	1
PCB-81	ND		0.0097	0.00037	ng/g	☼	04/27/18 08:13	05/09/18 07:09	1
PCB-82	0.0026	J	0.0097	0.00050	ng/g	☼	04/27/18 08:13	05/09/18 07:09	1
PCB-83	0.020	C	0.019	0.00047	ng/g	☼	04/27/18 08:13	05/09/18 07:09	1
PCB-84	0.0050	J q	0.0097	0.00052	ng/g	☼	04/27/18 08:13	05/09/18 07:09	1
PCB-85	0.0041	J q C	0.029	0.00036	ng/g	☼	04/27/18 08:13	05/09/18 07:09	1
PCB-86	0.012	J C	0.058	0.00038	ng/g	☼	04/27/18 08:13	05/09/18 07:09	1
PCB-87	0.012	J C86	0.058	0.00038	ng/g	☼	04/27/18 08:13	05/09/18 07:09	1
PCB-88	0.0039	J q C	0.019	0.00045	ng/g	☼	04/27/18 08:13	05/09/18 07:09	1
PCB-89	ND		0.0097	0.00049	ng/g	☼	04/27/18 08:13	05/09/18 07:09	1
PCB-90	0.027	J q C	0.029	0.00038	ng/g	☼	04/27/18 08:13	05/09/18 07:09	1
PCB-91	0.0039	J q C88	0.019	0.00045	ng/g	☼	04/27/18 08:13	05/09/18 07:09	1
PCB-92	0.0054	J q	0.0097	0.00047	ng/g	☼	04/27/18 08:13	05/09/18 07:09	1
PCB-93	ND	C	0.019	0.00046	ng/g	☼	04/27/18 08:13	05/09/18 07:09	1
PCB-94	ND		0.0097	0.00049	ng/g	☼	04/27/18 08:13	05/09/18 07:09	1
PCB-95	0.023	q	0.0097	0.00048	ng/g	☼	04/27/18 08:13	05/09/18 07:09	1
PCB-96	ND		0.0097	0.00037	ng/g	☼	04/27/18 08:13	05/09/18 07:09	1
PCB-97	0.012	J C86	0.058	0.00038	ng/g	☼	04/27/18 08:13	05/09/18 07:09	1
PCB-98	0.0014	J q C	0.019	0.00046	ng/g	☼	04/27/18 08:13	05/09/18 07:09	1

Client Sample ID: PDI-SG-B190-BL1
Date Collected: 04/18/18 15:20
Date Received: 04/20/18 13:00

Lab Sample ID: 580-76755-13
Matrix: Solid
Percent Solids: 73.7

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-99	**0.020**	**C83**	0.019	0.00047	ng/g	☼	04/27/18 08:13	05/09/18 07:09	1
PCB-100	ND	C93	0.019	0.00046	ng/g	☼	04/27/18 08:13	05/09/18 07:09	1
PCB-101	**0.027**	**J q C90**	0.029	0.00038	ng/g	☼	04/27/18 08:13	05/09/18 07:09	1
PCB-102	**0.0014**	**J q C98**	0.019	0.00046	ng/g	☼	04/27/18 08:13	05/09/18 07:09	1
PCB-103	ND		0.0097	0.00042	ng/g	☼	04/27/18 08:13	05/09/18 07:09	1
PCB-104	ND		0.0097	0.00033	ng/g	☼	04/27/18 08:13	05/09/18 07:09	1
PCB-105	**0.0066**	**J**	0.0097	0.00062	ng/g	☼	04/27/18 08:13	05/09/18 07:09	1
PCB-106	ND		0.0097	0.00065	ng/g	☼	04/27/18 08:13	05/09/18 07:09	1
PCB-107	**0.0022**	**J**	0.0097	0.00063	ng/g	☼	04/27/18 08:13	05/09/18 07:09	1
PCB-108	**0.0015**	**J C**	0.019	0.00066	ng/g	☼	04/27/18 08:13	05/09/18 07:09	1
PCB-109	**0.012**	**J C86**	0.058	0.00038	ng/g	☼	04/27/18 08:13	05/09/18 07:09	1
PCB-110	**0.024**	**q C**	0.019	0.00031	ng/g	☼	04/27/18 08:13	05/09/18 07:09	1
PCB-111	ND		0.0097	0.00029	ng/g	☼	04/27/18 08:13	05/09/18 07:09	1
PCB-112	ND		0.0097	0.00032	ng/g	☼	04/27/18 08:13	05/09/18 07:09	1
PCB-113	**0.027**	**J q C90**	0.029	0.00038	ng/g	☼	04/27/18 08:13	05/09/18 07:09	1
PCB-114	ND		0.0097	0.00058	ng/g	☼	04/27/18 08:13	05/09/18 07:09	1
PCB-115	**0.024**	**q C110**	0.019	0.00031	ng/g	☼	04/27/18 08:13	05/09/18 07:09	1
PCB-116	**0.0041**	**J q C85**	0.029	0.00036	ng/g	☼	04/27/18 08:13	05/09/18 07:09	1
PCB-117	**0.0041**	**J q C85**	0.029	0.00036	ng/g	☼	04/27/18 08:13	05/09/18 07:09	1
PCB-118	**0.017**	**q B**	0.0097	0.00060	ng/g	☼	04/27/18 08:13	05/09/18 07:09	1
PCB-119	**0.012**	**J C86**	0.058	0.00038	ng/g	☼	04/27/18 08:13	05/09/18 07:09	1
PCB-120	ND		0.0097	0.00029	ng/g	☼	04/27/18 08:13	05/09/18 07:09	1
PCB-121	ND		0.0097	0.00031	ng/g	☼	04/27/18 08:13	05/09/18 07:09	1
PCB-122	ND		0.0097	0.00072	ng/g	☼	04/27/18 08:13	05/09/18 07:09	1
PCB-123	ND		0.0097	0.00059	ng/g	☼	04/27/18 08:13	05/09/18 07:09	1
PCB-124	**0.0015**	**J C108**	0.019	0.00066	ng/g	☼	04/27/18 08:13	05/09/18 07:09	1
PCB-125	**0.012**	**J C86**	0.058	0.00038	ng/g	☼	04/27/18 08:13	05/09/18 07:09	1
PCB-126	ND		0.0097	0.00063	ng/g	☼	04/27/18 08:13	05/09/18 07:09	1
PCB-127	ND		0.0097	0.00062	ng/g	☼	04/27/18 08:13	05/09/18 07:09	1
PCB-128	**0.0054**	**J q C B**	0.019	0.000046	ng/g	☼	04/27/18 08:13	05/09/18 07:09	1
PCB-129	**0.034**	**J C B**	0.039	0.000047	ng/g	☼	04/27/18 08:13	05/09/18 07:09	1
PCB-130	**0.0029**	**J**	0.0097	0.000063	ng/g	☼	04/27/18 08:13	05/09/18 07:09	1
PCB-131	ND		0.0097	0.000063	ng/g	☼	04/27/18 08:13	05/09/18 07:09	1
PCB-132	**0.010**	**q**	0.0097	0.000061	ng/g	☼	04/27/18 08:13	05/09/18 07:09	1
PCB-133	**0.00066**	**J q**	0.0097	0.000059	ng/g	☼	04/27/18 08:13	05/09/18 07:09	1
PCB-134	**0.0030**	**J C**	0.019	0.000062	ng/g	☼	04/27/18 08:13	05/09/18 07:09	1
PCB-135	**0.018**	**J q C**	0.019	0.00019	ng/g	☼	04/27/18 08:13	05/09/18 07:09	1
PCB-136	**0.0044**	**J q**	0.0097	0.00014	ng/g	☼	04/27/18 08:13	05/09/18 07:09	1
PCB-137	**0.00064**	**J q**	0.0097	0.000051	ng/g	☼	04/27/18 08:13	05/09/18 07:09	1
PCB-138	**0.034**	**J C129 B**	0.039	0.000047	ng/g	☼	04/27/18 08:13	05/09/18 07:09	1
PCB-139	**0.00034**	**J q C**	0.019	0.000053	ng/g	☼	04/27/18 08:13	05/09/18 07:09	1
PCB-140	**0.00034**	**J q C139**	0.019	0.000053	ng/g	☼	04/27/18 08:13	05/09/18 07:09	1
PCB-141	**0.0087**	**J**	0.0097	0.000055	ng/g	☼	04/27/18 08:13	05/09/18 07:09	1
PCB-142	ND		0.0097	0.000060	ng/g	☼	04/27/18 08:13	05/09/18 07:09	1
PCB-143	**0.0030**	**J C134**	0.019	0.000062	ng/g	☼	04/27/18 08:13	05/09/18 07:09	1
PCB-144	**0.0020**	**J q**	0.0097	0.00018	ng/g	☼	04/27/18 08:13	05/09/18 07:09	1
PCB-145	ND		0.0097	0.00014	ng/g	☼	04/27/18 08:13	05/09/18 07:09	1
PCB-146	**0.0090**	**J**	0.0097	0.000049	ng/g	☼	04/27/18 08:13	05/09/18 07:09	1
PCB-147	**0.036**	**C B**	0.019	0.000053	ng/g	☼	04/27/18 08:13	05/09/18 07:09	1

Client Sample ID: PDI-SG-B190-BL1
Date Collected: 04/18/18 15:20
Date Received: 04/20/18 13:00

Lab Sample ID: 580-76755-13
Matrix: Solid
Percent Solids: 73.7

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-148	ND		0.0097	0.00018	ng/g	☼	04/27/18 08:13	05/09/18 07:09	1
PCB-149	**0.036**	**C147 B**	0.019	0.000053	ng/g	☼	04/27/18 08:13	05/09/18 07:09	1
PCB-150	ND		0.0097	0.00012	ng/g	☼	04/27/18 08:13	05/09/18 07:09	1
PCB-151	**0.018**	**J q C135**	0.019	0.00019	ng/g	☼	04/27/18 08:13	05/09/18 07:09	1
PCB-152	ND		0.0097	0.00013	ng/g	☼	04/27/18 08:13	05/09/18 07:09	1
PCB-153	**0.035**	**C**	0.019	0.000041	ng/g	☼	04/27/18 08:13	05/09/18 07:09	1
PCB-154	**0.0021**	**J q**	0.0097	0.00016	ng/g	☼	04/27/18 08:13	05/09/18 07:09	1
PCB-155	ND		0.0097	0.00012	ng/g	☼	04/27/18 08:13	05/09/18 07:09	1
PCB-156	**0.0033**	**J q C B**	0.019	0.000048	ng/g	☼	04/27/18 08:13	05/09/18 07:09	1
PCB-157	**0.0033**	**J q C156 B**	0.019	0.000048	ng/g	☼	04/27/18 08:13	05/09/18 07:09	1
PCB-158	**0.0033**	**J q**	0.0097	0.000036	ng/g	☼	04/27/18 08:13	05/09/18 07:09	1
PCB-159	ND		0.0097	0.000038	ng/g	☼	04/27/18 08:13	05/09/18 07:09	1
PCB-160	**0.034**	**J C129 B**	0.039	0.000047	ng/g	☼	04/27/18 08:13	05/09/18 07:09	1
PCB-161	ND		0.0097	0.000039	ng/g	☼	04/27/18 08:13	05/09/18 07:09	1
PCB-162	ND		0.0097	0.000037	ng/g	☼	04/27/18 08:13	05/09/18 07:09	1
PCB-163	**0.034**	**J C129 B**	0.039	0.000047	ng/g	☼	04/27/18 08:13	05/09/18 07:09	1
PCB-164	**0.0017**	**J q**	0.0097	0.000040	ng/g	☼	04/27/18 08:13	05/09/18 07:09	1
PCB-165	ND		0.0097	0.000044	ng/g	☼	04/27/18 08:13	05/09/18 07:09	1
PCB-166	**0.0054**	**J q C128 B**	0.019	0.000046	ng/g	☼	04/27/18 08:13	05/09/18 07:09	1
PCB-167	**0.00052**	**J q B**	0.0097	0.000029	ng/g	☼	04/27/18 08:13	05/09/18 07:09	1
PCB-168	**0.035**	**C153**	0.019	0.000041	ng/g	☼	04/27/18 08:13	05/09/18 07:09	1
PCB-169	ND		0.0097	0.000028	ng/g	☼	04/27/18 08:13	05/09/18 07:09	1
PCB-170	**0.013**	**q**	0.0097	0.00011	ng/g	☼	04/27/18 08:13	05/09/18 07:09	1
PCB-171	**0.0038**	**J q C**	0.019	0.00011	ng/g	☼	04/27/18 08:13	05/09/18 07:09	1
PCB-172	**0.0022**	**J q**	0.0097	0.00011	ng/g	☼	04/27/18 08:13	05/09/18 07:09	1
PCB-173	**0.0038**	**J q C171**	0.019	0.00011	ng/g	☼	04/27/18 08:13	05/09/18 07:09	1
PCB-174	**0.013**	**q**	0.0097	0.00011	ng/g	☼	04/27/18 08:13	05/09/18 07:09	1
PCB-175	ND		0.0097	0.00010	ng/g	☼	04/27/18 08:13	05/09/18 07:09	1
PCB-176	ND		0.0097	0.000071	ng/g	☼	04/27/18 08:13	05/09/18 07:09	1
PCB-177	**0.0089**	**J**	0.0097	0.00011	ng/g	☼	04/27/18 08:13	05/09/18 07:09	1
PCB-178	**0.0038**	**J**	0.0097	0.00010	ng/g	☼	04/27/18 08:13	05/09/18 07:09	1
PCB-179	**0.0063**	**J**	0.0097	0.000078	ng/g	☼	04/27/18 08:13	05/09/18 07:09	1
PCB-180	**0.034**	**C**	0.019	0.000083	ng/g	☼	04/27/18 08:13	05/09/18 07:09	1
PCB-181	ND		0.0097	0.000096	ng/g	☼	04/27/18 08:13	05/09/18 07:09	1
PCB-182	ND		0.0097	0.000091	ng/g	☼	04/27/18 08:13	05/09/18 07:09	1
PCB-183	**0.011**	**J C**	0.019	0.000093	ng/g	☼	04/27/18 08:13	05/09/18 07:09	1
PCB-184	ND		0.0097	0.000079	ng/g	☼	04/27/18 08:13	05/09/18 07:09	1
PCB-185	**0.011**	**J C183**	0.019	0.000093	ng/g	☼	04/27/18 08:13	05/09/18 07:09	1
PCB-186	ND		0.0097	0.000075	ng/g	☼	04/27/18 08:13	05/09/18 07:09	1
PCB-187	**0.020**		0.0097	0.000095	ng/g	☼	04/27/18 08:13	05/09/18 07:09	1
PCB-188	ND		0.0097	0.000070	ng/g	☼	04/27/18 08:13	05/09/18 07:09	1
PCB-189	ND		0.0097	0.00027	ng/g	☼	04/27/18 08:13	05/09/18 07:09	1
PCB-190	**0.0034**	**J**	0.0097	0.000072	ng/g	☼	04/27/18 08:13	05/09/18 07:09	1
PCB-191	ND		0.0097	0.000072	ng/g	☼	04/27/18 08:13	05/09/18 07:09	1
PCB-192	ND		0.0097	0.000077	ng/g	☼	04/27/18 08:13	05/09/18 07:09	1
PCB-193	**0.034**	**C180**	0.019	0.000083	ng/g	☼	04/27/18 08:13	05/09/18 07:09	1
PCB-194	**0.0070**	**J q B**	0.0097	0.00018	ng/g	☼	04/27/18 08:13	05/09/18 07:09	1
PCB-195	**0.0043**	**J q**	0.0097	0.00020	ng/g	☼	04/27/18 08:13	05/09/18 07:09	1
PCB-196	**0.0017**	**J q**	0.0097	0.00016	ng/g	☼	04/27/18 08:13	05/09/18 07:09	1

Client Sample ID: PDI-SG-B190-BL1
Date Collected: 04/18/18 15:20
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Lab Sample ID: 580-76755-13
Matrix: Solid
Percent Solids: 73.7

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-197	ND		0.0097	0.00011	ng/g	☼	04/27/18 08:13	05/09/18 07:09	1
PCB-198	**0.0093**	**J q C**	0.019	0.00017	ng/g	☼	04/27/18 08:13	05/09/18 07:09	1
PCB-199	**0.0093**	**J q C198**	0.019	0.00017	ng/g	☼	04/27/18 08:13	05/09/18 07:09	1
PCB-200	ND		0.0097	0.00012	ng/g	☼	04/27/18 08:13	05/09/18 07:09	1
PCB-201	ND		0.0097	0.00011	ng/g	☼	04/27/18 08:13	05/09/18 07:09	1
PCB-202	**0.00054**	**J q**	0.0097	0.00013	ng/g	☼	04/27/18 08:13	05/09/18 07:09	1
PCB-203	**0.0051**	**J q**	0.0097	0.00015	ng/g	☼	04/27/18 08:13	05/09/18 07:09	1
PCB-204	ND		0.0097	0.00012	ng/g	☼	04/27/18 08:13	05/09/18 07:09	1
PCB-205	**0.00051**	**J q**	0.0097	0.00013	ng/g	☼	04/27/18 08:13	05/09/18 07:09	1
PCB-206	**0.0078**	**J**	0.0097	0.0014	ng/g	☼	04/27/18 08:13	05/09/18 07:09	1
PCB-207	ND		0.0097	0.00096	ng/g	☼	04/27/18 08:13	05/09/18 07:09	1
PCB-208	ND		0.0097	0.0010	ng/g	☼	04/27/18 08:13	05/09/18 07:09	1
PCB-209	**0.0036**	**J q B**	0.0097	0.00051	ng/g	☼	04/27/18 08:13	05/09/18 07:09	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
PCB-1L	*80*		*30 - 140*	*04/27/18 08:13*	*05/09/18 07:09*	*1*
PCB-3L	*76*		*30 - 140*	*04/27/18 08:13*	*05/09/18 07:09*	*1*
PCB-4L	*79*		*30 - 140*	*04/27/18 08:13*	*05/09/18 07:09*	*1*
PCB-15L	*74*		*30 - 140*	*04/27/18 08:13*	*05/09/18 07:09*	*1*
PCB-19L	*78*		*30 - 140*	*04/27/18 08:13*	*05/09/18 07:09*	*1*
PCB-37L	*77*		*30 - 140*	*04/27/18 08:13*	*05/09/18 07:09*	*1*
PCB-54L	*99*		*30 - 140*	*04/27/18 08:13*	*05/09/18 07:09*	*1*
PCB-77L	*88*		*30 - 140*	*04/27/18 08:13*	*05/09/18 07:09*	*1*
PCB-81L	*86*		*30 - 140*	*04/27/18 08:13*	*05/09/18 07:09*	*1*
PCB-104L	*85*		*30 - 140*	*04/27/18 08:13*	*05/09/18 07:09*	*1*
PCB-105L	*83*		*30 - 140*	*04/27/18 08:13*	*05/09/18 07:09*	*1*
PCB-114L	*81*		*30 - 140*	*04/27/18 08:13*	*05/09/18 07:09*	*1*
PCB-118L	*84*		*30 - 140*	*04/27/18 08:13*	*05/09/18 07:09*	*1*
PCB-123L	*83*		*30 - 140*	*04/27/18 08:13*	*05/09/18 07:09*	*1*
PCB-126L	*86*		*30 - 140*	*04/27/18 08:13*	*05/09/18 07:09*	*1*
PCB-155L	*95*		*30 - 140*	*04/27/18 08:13*	*05/09/18 07:09*	*1*
PCB-156L	*90*	*C*	*30 - 140*	*04/27/18 08:13*	*05/09/18 07:09*	*1*
PCB-157L	*90*	*C156*	*30 - 140*	*04/27/18 08:13*	*05/09/18 07:09*	*1*
PCB-167L	*86*		*30 - 140*	*04/27/18 08:13*	*05/09/18 07:09*	*1*
PCB-169L	*89*		*30 - 140*	*04/27/18 08:13*	*05/09/18 07:09*	*1*
PCB-170L	*82*		*30 - 140*	*04/27/18 08:13*	*05/09/18 07:09*	*1*
PCB-188L	*79*		*30 - 140*	*04/27/18 08:13*	*05/09/18 07:09*	*1*
PCB-189L	*99*		*30 - 140*	*04/27/18 08:13*	*05/09/18 07:09*	*1*
PCB-202L	*93*		*30 - 140*	*04/27/18 08:13*	*05/09/18 07:09*	*1*
PCB-205L	*78*		*30 - 140*	*04/27/18 08:13*	*05/09/18 07:09*	*1*
PCB-206L	*70*		*30 - 140*	*04/27/18 08:13*	*05/09/18 07:09*	*1*
PCB-208L	*69*		*30 - 140*	*04/27/18 08:13*	*05/09/18 07:09*	*1*
PCB-209L	*64*		*30 - 140*	*04/27/18 08:13*	*05/09/18 07:09*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
PCB-28L	*75*		*40 - 125*	*04/27/18 08:13*	*05/09/18 07:09*	*1*
PCB-111L	*89*		*40 - 125*	*04/27/18 08:13*	*05/09/18 07:09*	*1*
PCB-178L	*83*		*40 - 125*	*04/27/18 08:13*	*05/09/18 07:09*	*1*

Client Sample ID: PDI-SG-B205-BL1
Date Collected: 04/19/18 10:20
Date Received: 04/20/18 13:00

Lab Sample ID: 580-76755-14
Matrix: Solid
Percent Solids: 67.3

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1	0.082	B	0.048	0.0017	ng/g	☼	04/30/18 09:30	05/10/18 15:15	5
PCB-2	0.0089	J q	0.048	0.0019	ng/g	☼	04/30/18 09:30	05/10/18 15:15	5
PCB-3	0.051	B	0.048	0.0021	ng/g	☼	04/30/18 09:30	05/10/18 15:15	5
PCB-4	0.13	q	0.096	0.020	ng/g	☼	04/30/18 09:30	05/10/18 15:15	5
PCB-5	ND		0.048	0.016	ng/g	☼	04/30/18 09:30	05/10/18 15:15	5
PCB-6	0.11	q	0.048	0.014	ng/g	☼	04/30/18 09:30	05/10/18 15:15	5
PCB-7	0.019	J q	0.048	0.015	ng/g	☼	04/30/18 09:30	05/10/18 15:15	5
PCB-8	0.31	q	0.096	0.013	ng/g	☼	04/30/18 09:30	05/10/18 15:15	5
PCB-9	0.021	J q	0.048	0.015	ng/g	☼	04/30/18 09:30	05/10/18 15:15	5
PCB-10	ND		0.048	0.016	ng/g	☼	04/30/18 09:30	05/10/18 15:15	5
PCB-11	0.064	J q	0.096	0.014	ng/g	☼	04/30/18 09:30	05/10/18 15:15	5
PCB-12	0.050	J q C	0.096	0.015	ng/g	☼	04/30/18 09:30	05/10/18 15:15	5
PCB-13	0.050	J q C12	0.096	0.015	ng/g	☼	04/30/18 09:30	05/10/18 15:15	5
PCB-14	ND		0.048	0.012	ng/g	☼	04/30/18 09:30	05/10/18 15:15	5
PCB-15	0.11	q	0.048	0.015	ng/g	☼	04/30/18 09:30	05/10/18 15:15	5
PCB-16	0.27		0.048	0.0039	ng/g	☼	04/30/18 09:30	05/10/18 15:15	5
PCB-17	0.42		0.048	0.0035	ng/g	☼	04/30/18 09:30	05/10/18 15:15	5
PCB-18	0.74	C	0.096	0.0030	ng/g	☼	04/30/18 09:30	05/10/18 15:15	5
PCB-19	0.052		0.048	0.0042	ng/g	☼	04/30/18 09:30	05/10/18 15:15	5
PCB-20	1.1	C	0.096	0.0036	ng/g	☼	04/30/18 09:30	05/10/18 15:15	5
PCB-21	0.44	C	0.096	0.0035	ng/g	☼	04/30/18 09:30	05/10/18 15:15	5
PCB-22	0.27		0.048	0.0036	ng/g	☼	04/30/18 09:30	05/10/18 15:15	5
PCB-23	ND		0.048	0.0036	ng/g	☼	04/30/18 09:30	05/10/18 15:15	5
PCB-24	0.0034	J q	0.048	0.0029	ng/g	☼	04/30/18 09:30	05/10/18 15:15	5
PCB-25	0.21		0.048	0.0033	ng/g	☼	04/30/18 09:30	05/10/18 15:15	5
PCB-26	0.33	C	0.096	0.0035	ng/g	☼	04/30/18 09:30	05/10/18 15:15	5
PCB-27	0.035	J q	0.048	0.0025	ng/g	☼	04/30/18 09:30	05/10/18 15:15	5
PCB-28	1.1	C20	0.096	0.0036	ng/g	☼	04/30/18 09:30	05/10/18 15:15	5
PCB-29	0.33	C26	0.096	0.0035	ng/g	☼	04/30/18 09:30	05/10/18 15:15	5
PCB-30	0.74	C18	0.096	0.0030	ng/g	☼	04/30/18 09:30	05/10/18 15:15	5
PCB-31	0.89		0.096	0.0035	ng/g	☼	04/30/18 09:30	05/10/18 15:15	5
PCB-32	0.19		0.048	0.0024	ng/g	☼	04/30/18 09:30	05/10/18 15:15	5
PCB-33	0.44	C21	0.096	0.0035	ng/g	☼	04/30/18 09:30	05/10/18 15:15	5
PCB-34	0.015	J	0.048	0.0038	ng/g	☼	04/30/18 09:30	05/10/18 15:15	5
PCB-35	0.013	J q	0.048	0.0037	ng/g	☼	04/30/18 09:30	05/10/18 15:15	5
PCB-36	0.0073	J q	0.048	0.0035	ng/g	☼	04/30/18 09:30	05/10/18 15:15	5
PCB-37	0.15		0.048	0.0036	ng/g	☼	04/30/18 09:30	05/10/18 15:15	5
PCB-38	ND		0.048	0.0038	ng/g	☼	04/30/18 09:30	05/10/18 15:15	5
PCB-39	0.015	J q	0.048	0.0034	ng/g	☼	04/30/18 09:30	05/10/18 15:15	5
PCB-40	0.61	C	0.14	0.012	ng/g	☼	04/30/18 09:30	05/10/18 15:15	5
PCB-41	0.61	C40	0.14	0.012	ng/g	☼	04/30/18 09:30	05/10/18 15:15	5
PCB-42	0.41		0.048	0.012	ng/g	☼	04/30/18 09:30	05/10/18 15:15	5
PCB-43	0.027	J q C	0.096	0.011	ng/g	☼	04/30/18 09:30	05/10/18 15:15	5
PCB-44	1.6	C B	0.14	0.011	ng/g	☼	04/30/18 09:30	05/10/18 15:15	5
PCB-45	0.20	C	0.096	0.012	ng/g	☼	04/30/18 09:30	05/10/18 15:15	5
PCB-46	0.080		0.048	0.015	ng/g	☼	04/30/18 09:30	05/10/18 15:15	5
PCB-47	1.6	C44 B	0.14	0.011	ng/g	☼	04/30/18 09:30	05/10/18 15:15	5
PCB-48	0.16		0.048	0.012	ng/g	☼	04/30/18 09:30	05/10/18 15:15	5
PCB-49	1.6	C	0.096	0.0097	ng/g	☼	04/30/18 09:30	05/10/18 15:15	5

Client Sample ID: PDI-SG-B205-BL1
Date Collected: 04/19/18 10:20
Date Received: 04/20/18 13:00

Lab Sample ID: 580-76755-14
Matrix: Solid
Percent Solids: 67.3

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-50	0.17	C	0.096	0.012	ng/g	☼	04/30/18 09:30	05/10/18 15:15	5
PCB-51	0.20	C45	0.096	0.012	ng/g	☼	04/30/18 09:30	05/10/18 15:15	5
PCB-52	2.3		0.048	0.012	ng/g	☼	04/30/18 09:30	05/10/18 15:15	5
PCB-53	0.17	C50	0.096	0.012	ng/g	☼	04/30/18 09:30	05/10/18 15:15	5
PCB-54	0.0040	J q	0.048	0.00026	ng/g	☼	04/30/18 09:30	05/10/18 15:15	5
PCB-55	ND		0.048	0.0087	ng/g	☼	04/30/18 09:30	05/10/18 15:15	5
PCB-56	0.45		0.048	0.0087	ng/g	☼	04/30/18 09:30	05/10/18 15:15	5
PCB-57	ND		0.048	0.0088	ng/g	☼	04/30/18 09:30	05/10/18 15:15	5
PCB-58	0.015	J q	0.048	0.0089	ng/g	☼	04/30/18 09:30	05/10/18 15:15	5
PCB-59	0.097	J C B	0.14	0.0084	ng/g	☼	04/30/18 09:30	05/10/18 15:15	5
PCB-60	0.063		0.048	0.0088	ng/g	☼	04/30/18 09:30	05/10/18 15:15	5
PCB-61	2.1	C B	0.19	0.0083	ng/g	☼	04/30/18 09:30	05/10/18 15:15	5
PCB-62	0.097	J C59 B	0.14	0.0084	ng/g	☼	04/30/18 09:30	05/10/18 15:15	5
PCB-63	0.034	J q	0.048	0.0081	ng/g	☼	04/30/18 09:30	05/10/18 15:15	5
PCB-64	0.41		0.048	0.0079	ng/g	☼	04/30/18 09:30	05/10/18 15:15	5
PCB-65	1.6	C44 B	0.14	0.011	ng/g	☼	04/30/18 09:30	05/10/18 15:15	5
PCB-66	1.3		0.048	0.0082	ng/g	☼	04/30/18 09:30	05/10/18 15:15	5
PCB-67	0.024	J	0.048	0.0076	ng/g	☼	04/30/18 09:30	05/10/18 15:15	5
PCB-68	0.070		0.048	0.0078	ng/g	☼	04/30/18 09:30	05/10/18 15:15	5
PCB-69	1.6	C49	0.096	0.0097	ng/g	☼	04/30/18 09:30	05/10/18 15:15	5
PCB-70	2.1	C61 B	0.19	0.0083	ng/g	☼	04/30/18 09:30	05/10/18 15:15	5
PCB-71	0.61	C40	0.14	0.012	ng/g	☼	04/30/18 09:30	05/10/18 15:15	5
PCB-72	0.10		0.048	0.0086	ng/g	☼	04/30/18 09:30	05/10/18 15:15	5
PCB-73	0.027	J q C43	0.096	0.011	ng/g	☼	04/30/18 09:30	05/10/18 15:15	5
PCB-74	2.1	C61 B	0.19	0.0083	ng/g	☼	04/30/18 09:30	05/10/18 15:15	5
PCB-75	0.097	J C59 B	0.14	0.0084	ng/g	☼	04/30/18 09:30	05/10/18 15:15	5
PCB-76	2.1	C61 B	0.19	0.0083	ng/g	☼	04/30/18 09:30	05/10/18 15:15	5
PCB-77	0.056	q	0.048	0.0078	ng/g	☼	04/30/18 09:30	05/10/18 15:15	5
PCB-78	ND		0.048	0.0089	ng/g	☼	04/30/18 09:30	05/10/18 15:15	5
PCB-79	0.044	J q	0.048	0.0077	ng/g	☼	04/30/18 09:30	05/10/18 15:15	5
PCB-80	ND		0.048	0.0076	ng/g	☼	04/30/18 09:30	05/10/18 15:15	5
PCB-81	ND		0.048	0.0087	ng/g	☼	04/30/18 09:30	05/10/18 15:15	5
PCB-82	0.13	q	0.048	0.0015	ng/g	☼	04/30/18 09:30	05/10/18 15:15	5
PCB-83	2.5	C	0.096	0.0013	ng/g	☼	04/30/18 09:30	05/10/18 15:15	5
PCB-84	0.60	q	0.048	0.0015	ng/g	☼	04/30/18 09:30	05/10/18 15:15	5
PCB-85	0.27	C	0.14	0.0011	ng/g	☼	04/30/18 09:30	05/10/18 15:15	5
PCB-86	1.3	C B	0.29	0.0011	ng/g	☼	04/30/18 09:30	05/10/18 15:15	5
PCB-87	1.3	C86 B	0.29	0.0011	ng/g	☼	04/30/18 09:30	05/10/18 15:15	5
PCB-88	0.69	C	0.096	0.0013	ng/g	☼	04/30/18 09:30	05/10/18 15:15	5
PCB-89	ND		0.048	0.0014	ng/g	☼	04/30/18 09:30	05/10/18 15:15	5
PCB-90	3.7	C	0.14	0.0011	ng/g	☼	04/30/18 09:30	05/10/18 15:15	5
PCB-91	0.69	C88	0.096	0.0013	ng/g	☼	04/30/18 09:30	05/10/18 15:15	5
PCB-92	0.93		0.048	0.0013	ng/g	☼	04/30/18 09:30	05/10/18 15:15	5
PCB-93	0.077	J q C	0.096	0.0013	ng/g	☼	04/30/18 09:30	05/10/18 15:15	5
PCB-94	ND		0.048	0.0014	ng/g	☼	04/30/18 09:30	05/10/18 15:15	5
PCB-95	3.1		0.048	0.0014	ng/g	☼	04/30/18 09:30	05/10/18 15:15	5
PCB-96	ND		0.048	0.0011	ng/g	☼	04/30/18 09:30	05/10/18 15:15	5
PCB-97	1.3	C86 B	0.29	0.0011	ng/g	☼	04/30/18 09:30	05/10/18 15:15	5
PCB-98	0.059	J q C	0.096	0.0012	ng/g	☼	04/30/18 09:30	05/10/18 15:15	5

Client Sample ID: PDI-SG-B205-BL1
Date Collected: 04/19/18 10:20
Date Received: 04/20/18 13:00

Lab Sample ID: 580-76755-14
Matrix: Solid
Percent Solids: 67.3

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-99	2.5	C83	0.096	0.0013	ng/g	☼	04/30/18 09:30	05/10/18 15:15	5
PCB-100	0.077	J q C93	0.096	0.0013	ng/g	☼	04/30/18 09:30	05/10/18 15:15	5
PCB-101	3.7	C90	0.14	0.0011	ng/g	☼	04/30/18 09:30	05/10/18 15:15	5
PCB-102	0.059	J q C98	0.096	0.0012	ng/g	☼	04/30/18 09:30	05/10/18 15:15	5
PCB-103	0.15		0.048	0.0013	ng/g	☼	04/30/18 09:30	05/10/18 15:15	5
PCB-104	ND		0.048	0.00096	ng/g	☼	04/30/18 09:30	05/10/18 15:15	5
PCB-105	0.39		0.048	0.0038	ng/g	☼	04/30/18 09:30	05/10/18 15:15	5
PCB-106	ND		0.048	0.0039	ng/g	☼	04/30/18 09:30	05/10/18 15:15	5
PCB-107	0.27		0.048	0.0042	ng/g	☼	04/30/18 09:30	05/10/18 15:15	5
PCB-108	0.055	J C B	0.096	0.0040	ng/g	☼	04/30/18 09:30	05/10/18 15:15	5
PCB-109	1.3	C86 B	0.29	0.0011	ng/g	☼	04/30/18 09:30	05/10/18 15:15	5
PCB-110	3.2	C B	0.096	0.00092	ng/g	☼	04/30/18 09:30	05/10/18 15:15	5
PCB-111	ND		0.048	0.00089	ng/g	☼	04/30/18 09:30	05/10/18 15:15	5
PCB-112	ND		0.048	0.00094	ng/g	☼	04/30/18 09:30	05/10/18 15:15	5
PCB-113	3.7	C90	0.14	0.0011	ng/g	☼	04/30/18 09:30	05/10/18 15:15	5
PCB-114	0.026	J q	0.048	0.0040	ng/g	☼	04/30/18 09:30	05/10/18 15:15	5
PCB-115	3.2	C110 B	0.096	0.00092	ng/g	☼	04/30/18 09:30	05/10/18 15:15	5
PCB-116	0.27	C85	0.14	0.0011	ng/g	☼	04/30/18 09:30	05/10/18 15:15	5
PCB-117	0.27	C85	0.14	0.0011	ng/g	☼	04/30/18 09:30	05/10/18 15:15	5
PCB-118	1.7		0.048	0.0037	ng/g	☼	04/30/18 09:30	05/10/18 15:15	5
PCB-119	1.3	C86 B	0.29	0.0011	ng/g	☼	04/30/18 09:30	05/10/18 15:15	5
PCB-120	0.047	J q	0.048	0.00090	ng/g	☼	04/30/18 09:30	05/10/18 15:15	5
PCB-121	ND		0.048	0.00093	ng/g	☼	04/30/18 09:30	05/10/18 15:15	5
PCB-122	0.028	J q B	0.048	0.0046	ng/g	☼	04/30/18 09:30	05/10/18 15:15	5
PCB-123	0.027	J q	0.048	0.0040	ng/g	☼	04/30/18 09:30	05/10/18 15:15	5
PCB-124	0.055	J C108 B	0.096	0.0040	ng/g	☼	04/30/18 09:30	05/10/18 15:15	5
PCB-125	1.3	C86 B	0.29	0.0011	ng/g	☼	04/30/18 09:30	05/10/18 15:15	5
PCB-126	0.0046	J q B	0.048	0.0038	ng/g	☼	04/30/18 09:30	05/10/18 15:15	5
PCB-127	ND		0.048	0.0039	ng/g	☼	04/30/18 09:30	05/10/18 15:15	5
PCB-128	0.42	C	0.096	0.011	ng/g	☼	04/30/18 09:30	05/10/18 15:15	5
PCB-129	4.2	C	0.19	0.012	ng/g	☼	04/30/18 09:30	05/10/18 15:15	5
PCB-130	0.29		0.048	0.015	ng/g	☼	04/30/18 09:30	05/10/18 15:15	5
PCB-131	0.038	J	0.048	0.016	ng/g	☼	04/30/18 09:30	05/10/18 15:15	5
PCB-132	1.3	B	0.048	0.015	ng/g	☼	04/30/18 09:30	05/10/18 15:15	5
PCB-133	0.13	q	0.048	0.014	ng/g	☼	04/30/18 09:30	05/10/18 15:15	5
PCB-134	0.17	C	0.096	0.015	ng/g	☼	04/30/18 09:30	05/10/18 15:15	5
PCB-135	2.0	C	0.096	0.0026	ng/g	☼	04/30/18 09:30	05/10/18 15:15	5
PCB-136	0.84		0.048	0.0018	ng/g	☼	04/30/18 09:30	05/10/18 15:15	5
PCB-137	0.091		0.048	0.013	ng/g	☼	04/30/18 09:30	05/10/18 15:15	5
PCB-138	4.2	C129	0.19	0.012	ng/g	☼	04/30/18 09:30	05/10/18 15:15	5
PCB-139	0.067	J q C	0.096	0.013	ng/g	☼	04/30/18 09:30	05/10/18 15:15	5
PCB-140	0.067	J q C139	0.096	0.013	ng/g	☼	04/30/18 09:30	05/10/18 15:15	5
PCB-141	0.76		0.048	0.013	ng/g	☼	04/30/18 09:30	05/10/18 15:15	5
PCB-142	ND		0.048	0.014	ng/g	☼	04/30/18 09:30	05/10/18 15:15	5
PCB-143	0.17	C134	0.096	0.015	ng/g	☼	04/30/18 09:30	05/10/18 15:15	5
PCB-144	0.15	q	0.048	0.0023	ng/g	☼	04/30/18 09:30	05/10/18 15:15	5
PCB-145	ND		0.048	0.0018	ng/g	☼	04/30/18 09:30	05/10/18 15:15	5
PCB-146	1.3		0.048	0.013	ng/g	☼	04/30/18 09:30	05/10/18 15:15	5
PCB-147	5.9	C	0.096	0.014	ng/g	☼	04/30/18 09:30	05/10/18 15:15	5

Client Sample ID: PDI-SG-B205-BL1
Date Collected: 04/19/18 10:20
Date Received: 04/20/18 13:00

Lab Sample ID: 580-76755-14
Matrix: Solid
Percent Solids: 67.3

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-148	0.048		0.048	0.0025	ng/g	☼	04/30/18 09:30	05/10/18 15:15	5
PCB-149	5.9	C147	0.096	0.014	ng/g	☼	04/30/18 09:30	05/10/18 15:15	5
PCB-150	0.031	J q	0.048	0.0017	ng/g	☼	04/30/18 09:30	05/10/18 15:15	5
PCB-151	2.0	C135	0.096	0.0026	ng/g	☼	04/30/18 09:30	05/10/18 15:15	5
PCB-152	ND		0.048	0.0018	ng/g	☼	04/30/18 09:30	05/10/18 15:15	5
PCB-153	5.0	C	0.096	0.010	ng/g	☼	04/30/18 09:30	05/10/18 15:15	5
PCB-154	0.22		0.048	0.0020	ng/g	☼	04/30/18 09:30	05/10/18 15:15	5
PCB-155	ND		0.048	0.0017	ng/g	☼	04/30/18 09:30	05/10/18 15:15	5
PCB-156	0.29	C	0.096	0.011	ng/g	☼	04/30/18 09:30	05/10/18 15:15	5
PCB-157	0.29	C156	0.096	0.011	ng/g	☼	04/30/18 09:30	05/10/18 15:15	5
PCB-158	0.27		0.048	0.0090	ng/g	☼	04/30/18 09:30	05/10/18 15:15	5
PCB-159	0.042	J	0.048	0.0096	ng/g	☼	04/30/18 09:30	05/10/18 15:15	5
PCB-160	4.2	C129	0.19	0.012	ng/g	☼	04/30/18 09:30	05/10/18 15:15	5
PCB-161	ND		0.048	0.0095	ng/g	☼	04/30/18 09:30	05/10/18 15:15	5
PCB-162	0.015	J	0.048	0.0094	ng/g	☼	04/30/18 09:30	05/10/18 15:15	5
PCB-163	4.2	C129	0.19	0.012	ng/g	☼	04/30/18 09:30	05/10/18 15:15	5
PCB-164	0.34		0.048	0.010	ng/g	☼	04/30/18 09:30	05/10/18 15:15	5
PCB-165	ND		0.048	0.011	ng/g	☼	04/30/18 09:30	05/10/18 15:15	5
PCB-166	0.42	C128	0.096	0.011	ng/g	☼	04/30/18 09:30	05/10/18 15:15	5
PCB-167	0.11		0.048	0.0090	ng/g	☼	04/30/18 09:30	05/10/18 15:15	5
PCB-168	5.0	C153	0.096	0.010	ng/g	☼	04/30/18 09:30	05/10/18 15:15	5
PCB-169	0.021	J q B	0.048	0.0066	ng/g	☼	04/30/18 09:30	05/10/18 15:15	5
PCB-170	1.6		0.048	0.0024	ng/g	☼	04/30/18 09:30	05/10/18 15:15	5
PCB-171	0.49	C	0.096	0.0025	ng/g	☼	04/30/18 09:30	05/10/18 15:15	5
PCB-172	0.28		0.048	0.0025	ng/g	☼	04/30/18 09:30	05/10/18 15:15	5
PCB-173	0.49	C171	0.096	0.0025	ng/g	☼	04/30/18 09:30	05/10/18 15:15	5
PCB-174	1.8		0.048	0.0024	ng/g	☼	04/30/18 09:30	05/10/18 15:15	5
PCB-175	ND		0.048	0.0023	ng/g	☼	04/30/18 09:30	05/10/18 15:15	5
PCB-176	0.24		0.048	0.0017	ng/g	☼	04/30/18 09:30	05/10/18 15:15	5
PCB-177	1.1		0.048	0.0024	ng/g	☼	04/30/18 09:30	05/10/18 15:15	5
PCB-178	0.45		0.048	0.0025	ng/g	☼	04/30/18 09:30	05/10/18 15:15	5
PCB-179	0.90		0.048	0.0018	ng/g	☼	04/30/18 09:30	05/10/18 15:15	5
PCB-180	3.9	C	0.096	0.0019	ng/g	☼	04/30/18 09:30	05/10/18 15:15	5
PCB-181	ND		0.048	0.0023	ng/g	☼	04/30/18 09:30	05/10/18 15:15	5
PCB-182	ND		0.048	0.0022	ng/g	☼	04/30/18 09:30	05/10/18 15:15	5
PCB-183	1.3	C	0.096	0.0022	ng/g	☼	04/30/18 09:30	05/10/18 15:15	5
PCB-184	ND		0.048	0.0019	ng/g	☼	04/30/18 09:30	05/10/18 15:15	5
PCB-185	1.3	C183	0.096	0.0022	ng/g	☼	04/30/18 09:30	05/10/18 15:15	5
PCB-186	ND		0.048	0.0018	ng/g	☼	04/30/18 09:30	05/10/18 15:15	5
PCB-187	2.4		0.048	0.0021	ng/g	☼	04/30/18 09:30	05/10/18 15:15	5
PCB-188	ND		0.048	0.0017	ng/g	☼	04/30/18 09:30	05/10/18 15:15	5
PCB-189	0.047	J q B	0.048	0.0040	ng/g	☼	04/30/18 09:30	05/10/18 15:15	5
PCB-190	0.28	B	0.048	0.0017	ng/g	☼	04/30/18 09:30	05/10/18 15:15	5
PCB-191	0.041	J q	0.048	0.0017	ng/g	☼	04/30/18 09:30	05/10/18 15:15	5
PCB-192	ND		0.048	0.0019	ng/g	☼	04/30/18 09:30	05/10/18 15:15	5
PCB-193	3.9	C180	0.096	0.0019	ng/g	☼	04/30/18 09:30	05/10/18 15:15	5
PCB-194	0.93		0.048	0.0053	ng/g	☼	04/30/18 09:30	05/10/18 15:15	5
PCB-195	0.35	B	0.048	0.0058	ng/g	☼	04/30/18 09:30	05/10/18 15:15	5
PCB-196	0.44		0.048	0.0023	ng/g	☼	04/30/18 09:30	05/10/18 15:15	5

Client Sample ID: PDI-SG-B205-BL1
Date Collected: 04/19/18 10:20
Date Received: 04/20/18 13:00

Lab Sample ID: 580-76755-14
Matrix: Solid
Percent Solids: 67.3

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-197	0.029	J	0.048	0.0018	ng/g	☼	04/30/18 09:30	05/10/18 15:15	5
PCB-198	0.91	C B	0.096	0.0023	ng/g	☼	04/30/18 09:30	05/10/18 15:15	5
PCB-199	0.91	C198 B	0.096	0.0023	ng/g	☼	04/30/18 09:30	05/10/18 15:15	5
PCB-200	0.11		0.048	0.0016	ng/g	☼	04/30/18 09:30	05/10/18 15:15	5
PCB-201	0.11		0.048	0.0016	ng/g	☼	04/30/18 09:30	05/10/18 15:15	5
PCB-202	0.19		0.048	0.0018	ng/g	☼	04/30/18 09:30	05/10/18 15:15	5
PCB-203	0.52		0.048	0.0021	ng/g	☼	04/30/18 09:30	05/10/18 15:15	5
PCB-204	ND		0.048	0.0018	ng/g	☼	04/30/18 09:30	05/10/18 15:15	5
PCB-205	0.044	J B	0.048	0.0045	ng/g	☼	04/30/18 09:30	05/10/18 15:15	5
PCB-206	0.40		0.048	0.0062	ng/g	☼	04/30/18 09:30	05/10/18 15:15	5
PCB-207	0.10		0.048	0.0047	ng/g	☼	04/30/18 09:30	05/10/18 15:15	5
PCB-208	0.18		0.048	0.0051	ng/g	☼	04/30/18 09:30	05/10/18 15:15	5
PCB-209	3.0	B	0.048	0.0041	ng/g	☼	04/30/18 09:30	05/10/18 15:15	5

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
PCB-1L	*81*		*30 - 140*	*04/30/18 09:30*	*05/10/18 15:15*	*5*
PCB-3L	*86*		*30 - 140*	*04/30/18 09:30*	*05/10/18 15:15*	*5*
PCB-4L	*73*		*30 - 140*	*04/30/18 09:30*	*05/10/18 15:15*	*5*
PCB-15L	*80*		*30 - 140*	*04/30/18 09:30*	*05/10/18 15:15*	*5*
PCB-19L	*109*		*30 - 140*	*04/30/18 09:30*	*05/10/18 15:15*	*5*
PCB-37L	*92*		*30 - 140*	*04/30/18 09:30*	*05/10/18 15:15*	*5*
PCB-54L	*100*		*30 - 140*	*04/30/18 09:30*	*05/10/18 15:15*	*5*
PCB-77L	*89*		*30 - 140*	*04/30/18 09:30*	*05/10/18 15:15*	*5*
PCB-81L	*83*		*30 - 140*	*04/30/18 09:30*	*05/10/18 15:15*	*5*
PCB-104L	*83*		*30 - 140*	*04/30/18 09:30*	*05/10/18 15:15*	*5*
PCB-105L	*86*		*30 - 140*	*04/30/18 09:30*	*05/10/18 15:15*	*5*
PCB-114L	*84*		*30 - 140*	*04/30/18 09:30*	*05/10/18 15:15*	*5*
PCB-118L	*77*		*30 - 140*	*04/30/18 09:30*	*05/10/18 15:15*	*5*
PCB-123L	*84*		*30 - 140*	*04/30/18 09:30*	*05/10/18 15:15*	*5*
PCB-126L	*85*		*30 - 140*	*04/30/18 09:30*	*05/10/18 15:15*	*5*
PCB-155L	*86*		*30 - 140*	*04/30/18 09:30*	*05/10/18 15:15*	*5*
PCB-156L	*84*	*C*	*30 - 140*	*04/30/18 09:30*	*05/10/18 15:15*	*5*
PCB-157L	*84*	*C156*	*30 - 140*	*04/30/18 09:30*	*05/10/18 15:15*	*5*
PCB-167L	*86*		*30 - 140*	*04/30/18 09:30*	*05/10/18 15:15*	*5*
PCB-169L	*96*		*30 - 140*	*04/30/18 09:30*	*05/10/18 15:15*	*5*
PCB-170L	*87*		*30 - 140*	*04/30/18 09:30*	*05/10/18 15:15*	*5*
PCB-188L	*85*		*30 - 140*	*04/30/18 09:30*	*05/10/18 15:15*	*5*
PCB-189L	*95*		*30 - 140*	*04/30/18 09:30*	*05/10/18 15:15*	*5*
PCB-202L	*91*		*30 - 140*	*04/30/18 09:30*	*05/10/18 15:15*	*5*
PCB-205L	*74*		*30 - 140*	*04/30/18 09:30*	*05/10/18 15:15*	*5*
PCB-206L	*73*		*30 - 140*	*04/30/18 09:30*	*05/10/18 15:15*	*5*
PCB-208L	*71*		*30 - 140*	*04/30/18 09:30*	*05/10/18 15:15*	*5*
PCB-209L	*65*		*30 - 140*	*04/30/18 09:30*	*05/10/18 15:15*	*5*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
PCB-28L	*96*		*40 - 125*	*04/30/18 09:30*	*05/10/18 15:15*	*5*
PCB-111L	*101*		*40 - 125*	*04/30/18 09:30*	*05/10/18 15:15*	*5*
PCB-178L	*93*		*40 - 125*	*04/30/18 09:30*	*05/10/18 15:15*	*5*

Client Sample ID: PDI-SG-B213-BL1
Date Collected: 04/19/18 11:10
Date Received: 04/20/18 13:00

Lab Sample ID: 580-76755-15
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	ND		0.27	0.0024	ng/g	☼	04/30/18 09:30	05/10/18 16:17	5
PCB-2	**0.015**	**J q**	0.27	0.0029	ng/g	☼	04/30/18 09:30	05/10/18 16:17	5
PCB-3	ND		0.27	0.0034	ng/g	☼	04/30/18 09:30	05/10/18 16:17	5
PCB-4	ND		0.53	0.12	ng/g	☼	04/30/18 09:30	05/10/18 16:17	5
PCB-5	ND		0.27	0.092	ng/g	☼	04/30/18 09:30	05/10/18 16:17	5
PCB-6	ND		0.27	0.081	ng/g	☼	04/30/18 09:30	05/10/18 16:17	5
PCB-7	ND		0.27	0.083	ng/g	☼	04/30/18 09:30	05/10/18 16:17	5
PCB-8	ND		0.53	0.075	ng/g	☼	04/30/18 09:30	05/10/18 16:17	5
PCB-9	ND		0.27	0.085	ng/g	☼	04/30/18 09:30	05/10/18 16:17	5
PCB-10	ND		0.27	0.091	ng/g	☼	04/30/18 09:30	05/10/18 16:17	5
PCB-11	ND		0.53	0.079	ng/g	☼	04/30/18 09:30	05/10/18 16:17	5
PCB-12	ND	C	0.53	0.082	ng/g	☼	04/30/18 09:30	05/10/18 16:17	5
PCB-13	ND	C12	0.53	0.082	ng/g	☼	04/30/18 09:30	05/10/18 16:17	5
PCB-14	ND		0.27	0.070	ng/g	☼	04/30/18 09:30	05/10/18 16:17	5
PCB-15	ND		0.27	0.084	ng/g	☼	04/30/18 09:30	05/10/18 16:17	5
PCB-16	ND		0.27	0.013	ng/g	☼	04/30/18 09:30	05/10/18 16:17	5
PCB-17	**0.046**	**J q**	0.27	0.011	ng/g	☼	04/30/18 09:30	05/10/18 16:17	5
PCB-18	**0.069**	**J C q**	0.53	0.0099	ng/g	☼	04/30/18 09:30	05/10/18 16:17	5
PCB-19	ND		0.27	0.014	ng/g	☼	04/30/18 09:30	05/10/18 16:17	5
PCB-20	**0.28**	**J C**	0.53	0.014	ng/g	☼	04/30/18 09:30	05/10/18 16:17	5
PCB-21	**0.069**	**J C**	0.53	0.014	ng/g	☼	04/30/18 09:30	05/10/18 16:17	5
PCB-22	**0.050**	**J q**	0.27	0.014	ng/g	☼	04/30/18 09:30	05/10/18 16:17	5
PCB-23	ND		0.27	0.014	ng/g	☼	04/30/18 09:30	05/10/18 16:17	5
PCB-24	ND		0.27	0.0095	ng/g	☼	04/30/18 09:30	05/10/18 16:17	5
PCB-25	ND		0.27	0.013	ng/g	☼	04/30/18 09:30	05/10/18 16:17	5
PCB-26	ND	C	0.53	0.014	ng/g	☼	04/30/18 09:30	05/10/18 16:17	5
PCB-27	ND		0.27	0.0082	ng/g	☼	04/30/18 09:30	05/10/18 16:17	5
PCB-28	**0.28**	**J C20**	0.53	0.014	ng/g	☼	04/30/18 09:30	05/10/18 16:17	5
PCB-29	ND	C26	0.53	0.014	ng/g	☼	04/30/18 09:30	05/10/18 16:17	5
PCB-30	**0.069**	**J C18 q**	0.53	0.0099	ng/g	☼	04/30/18 09:30	05/10/18 16:17	5
PCB-31	**0.20**	**J**	0.53	0.014	ng/g	☼	04/30/18 09:30	05/10/18 16:17	5
PCB-32	**0.040**	**J q**	0.27	0.0079	ng/g	☼	04/30/18 09:30	05/10/18 16:17	5
PCB-33	**0.069**	**J C21**	0.53	0.014	ng/g	☼	04/30/18 09:30	05/10/18 16:17	5
PCB-34	ND		0.27	0.015	ng/g	☼	04/30/18 09:30	05/10/18 16:17	5
PCB-35	ND		0.27	0.014	ng/g	☼	04/30/18 09:30	05/10/18 16:17	5
PCB-36	ND		0.27	0.014	ng/g	☼	04/30/18 09:30	05/10/18 16:17	5
PCB-37	**0.084**	**J**	0.27	0.014	ng/g	☼	04/30/18 09:30	05/10/18 16:17	5
PCB-38	ND		0.27	0.015	ng/g	☼	04/30/18 09:30	05/10/18 16:17	5
PCB-39	ND		0.27	0.013	ng/g	☼	04/30/18 09:30	05/10/18 16:17	5
PCB-40	**0.18**	**J C q**	0.80	0.029	ng/g	☼	04/30/18 09:30	05/10/18 16:17	5
PCB-41	**0.18**	**J q C40**	0.80	0.029	ng/g	☼	04/30/18 09:30	05/10/18 16:17	5
PCB-42	**0.12**	**J**	0.27	0.029	ng/g	☼	04/30/18 09:30	05/10/18 16:17	5
PCB-43	ND	C	0.53	0.027	ng/g	☼	04/30/18 09:30	05/10/18 16:17	5
PCB-44	**0.45**	**J C B q**	0.80	0.026	ng/g	☼	04/30/18 09:30	05/10/18 16:17	5
PCB-45	ND	C	0.53	0.030	ng/g	☼	04/30/18 09:30	05/10/18 16:17	5
PCB-46	ND		0.27	0.037	ng/g	☼	04/30/18 09:30	05/10/18 16:17	5
PCB-47	**0.45**	**J B C44 q**	0.80	0.026	ng/g	☼	04/30/18 09:30	05/10/18 16:17	5
PCB-48	**0.066**	**J q**	0.27	0.029	ng/g	☼	04/30/18 09:30	05/10/18 16:17	5
PCB-49	**0.23**	**J C q**	0.53	0.024	ng/g	☼	04/30/18 09:30	05/10/18 16:17	5

Client Sample ID: PDI-SG-B213-BL1
Date Collected: 04/19/18 11:10
Date Received: 04/20/18 13:00

Lab Sample ID: 580-76755-15
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	ND	C	0.53	0.028	ng/g	☼	04/30/18 09:30	05/10/18 16:17	5
PCB-51	ND	C45	0.53	0.030	ng/g	☼	04/30/18 09:30	05/10/18 16:17	5
PCB-52	**0.60**		0.27	0.029	ng/g	☼	04/30/18 09:30	05/10/18 16:17	5
PCB-53	ND	C50	0.53	0.028	ng/g	☼	04/30/18 09:30	05/10/18 16:17	5
PCB-54	ND		0.27	0.0031	ng/g	☼	04/30/18 09:30	05/10/18 16:17	5
PCB-55	ND		0.27	0.021	ng/g	☼	04/30/18 09:30	05/10/18 16:17	5
PCB-56	**0.26**	**J**	0.27	0.021	ng/g	☼	04/30/18 09:30	05/10/18 16:17	5
PCB-57	ND		0.27	0.021	ng/g	☼	04/30/18 09:30	05/10/18 16:17	5
PCB-58	ND		0.27	0.022	ng/g	☼	04/30/18 09:30	05/10/18 16:17	5
PCB-59	ND	C	0.80	0.020	ng/g	☼	04/30/18 09:30	05/10/18 16:17	5
PCB-60	**0.15**	**J**	0.27	0.022	ng/g	☼	04/30/18 09:30	05/10/18 16:17	5
PCB-61	**0.82**	**J C B**	1.1	0.020	ng/g	☼	04/30/18 09:30	05/10/18 16:17	5
PCB-62	ND	C59	0.80	0.020	ng/g	☼	04/30/18 09:30	05/10/18 16:17	5
PCB-63	ND		0.27	0.020	ng/g	☼	04/30/18 09:30	05/10/18 16:17	5
PCB-64	**0.19**	**J**	0.27	0.019	ng/g	☼	04/30/18 09:30	05/10/18 16:17	5
PCB-65	**0.45**	**J B C44 q**	0.80	0.026	ng/g	☼	04/30/18 09:30	05/10/18 16:17	5
PCB-66	**0.59**		0.27	0.020	ng/g	☼	04/30/18 09:30	05/10/18 16:17	5
PCB-67	ND		0.27	0.019	ng/g	☼	04/30/18 09:30	05/10/18 16:17	5
PCB-68	ND		0.27	0.019	ng/g	☼	04/30/18 09:30	05/10/18 16:17	5
PCB-69	**0.23**	**J C49 q**	0.53	0.024	ng/g	☼	04/30/18 09:30	05/10/18 16:17	5
PCB-70	**0.82**	**J C61 B**	1.1	0.020	ng/g	☼	04/30/18 09:30	05/10/18 16:17	5
PCB-71	**0.18**	**J q C40**	0.80	0.029	ng/g	☼	04/30/18 09:30	05/10/18 16:17	5
PCB-72	ND		0.27	0.021	ng/g	☼	04/30/18 09:30	05/10/18 16:17	5
PCB-73	ND	C43	0.53	0.027	ng/g	☼	04/30/18 09:30	05/10/18 16:17	5
PCB-74	**0.82**	**J C61 B**	1.1	0.020	ng/g	☼	04/30/18 09:30	05/10/18 16:17	5
PCB-75	ND	C59	0.80	0.020	ng/g	☼	04/30/18 09:30	05/10/18 16:17	5
PCB-76	**0.82**	**J C61 B**	1.1	0.020	ng/g	☼	04/30/18 09:30	05/10/18 16:17	5
PCB-77	**0.055**	**J**	0.27	0.021	ng/g	☼	04/30/18 09:30	05/10/18 16:17	5
PCB-78	ND		0.27	0.022	ng/g	☼	04/30/18 09:30	05/10/18 16:17	5
PCB-79	ND		0.27	0.019	ng/g	☼	04/30/18 09:30	05/10/18 16:17	5
PCB-80	ND		0.27	0.018	ng/g	☼	04/30/18 09:30	05/10/18 16:17	5
PCB-81	ND		0.27	0.019	ng/g	☼	04/30/18 09:30	05/10/18 16:17	5
PCB-82	**0.087**	**J q**	0.27	0.0068	ng/g	☼	04/30/18 09:30	05/10/18 16:17	5
PCB-83	**0.40**	**J C q**	0.53	0.0062	ng/g	☼	04/30/18 09:30	05/10/18 16:17	5
PCB-84	**0.16**	**J q**	0.27	0.0069	ng/g	☼	04/30/18 09:30	05/10/18 16:17	5
PCB-85	**0.17**	**J C**	0.80	0.0050	ng/g	☼	04/30/18 09:30	05/10/18 16:17	5
PCB-86	**0.47**	**J C B**	1.6	0.0051	ng/g	☼	04/30/18 09:30	05/10/18 16:17	5
PCB-87	**0.47**	**J B C86**	1.6	0.0051	ng/g	☼	04/30/18 09:30	05/10/18 16:17	5
PCB-88	**0.098**	**J C**	0.53	0.0062	ng/g	☼	04/30/18 09:30	05/10/18 16:17	5
PCB-89	ND		0.27	0.0067	ng/g	☼	04/30/18 09:30	05/10/18 16:17	5
PCB-90	**0.63**	**J C**	0.80	0.0052	ng/g	☼	04/30/18 09:30	05/10/18 16:17	5
PCB-91	**0.098**	**J C88**	0.53	0.0062	ng/g	☼	04/30/18 09:30	05/10/18 16:17	5
PCB-92	**0.11**	**J q**	0.27	0.0058	ng/g	☼	04/30/18 09:30	05/10/18 16:17	5
PCB-93	ND	C	0.53	0.0059	ng/g	☼	04/30/18 09:30	05/10/18 16:17	5
PCB-94	ND		0.27	0.0067	ng/g	☼	04/30/18 09:30	05/10/18 16:17	5
PCB-95	**0.42**		0.27	0.0064	ng/g	☼	04/30/18 09:30	05/10/18 16:17	5
PCB-96	ND		0.27	0.0050	ng/g	☼	04/30/18 09:30	05/10/18 16:17	5
PCB-97	**0.47**	**J B C86**	1.6	0.0051	ng/g	☼	04/30/18 09:30	05/10/18 16:17	5
PCB-98	ND	C	0.53	0.0057	ng/g	☼	04/30/18 09:30	05/10/18 16:17	5

Client Sample ID: PDI-SG-B213-BL1
Date Collected: 04/19/18 11:10
Date Received: 04/20/18 13:00

Lab Sample ID: 580-76755-15
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	**0.40**	**J C83 q**	0.53	0.0062	ng/g	☼	04/30/18 09:30	05/10/18 16:17	5
PCB-100	ND	C93	0.53	0.0059	ng/g	☼	04/30/18 09:30	05/10/18 16:17	5
PCB-101	**0.63**	**J C90**	0.80	0.0052	ng/g	☼	04/30/18 09:30	05/10/18 16:17	5
PCB-102	ND	C98	0.53	0.0057	ng/g	☼	04/30/18 09:30	05/10/18 16:17	5
PCB-103	**0.015**	**J**	0.27	0.0059	ng/g	☼	04/30/18 09:30	05/10/18 16:17	5
PCB-104	ND		0.27	0.0045	ng/g	☼	04/30/18 09:30	05/10/18 16:17	5
PCB-105	**0.31**		0.27	0.013	ng/g	☼	04/30/18 09:30	05/10/18 16:17	5
PCB-106	ND		0.27	0.013	ng/g	☼	04/30/18 09:30	05/10/18 16:17	5
PCB-107	**0.033**	**J q**	0.27	0.014	ng/g	☼	04/30/18 09:30	05/10/18 16:17	5
PCB-108	ND	C	0.53	0.013	ng/g	☼	04/30/18 09:30	05/10/18 16:17	5
PCB-109	**0.47**	**J B C86**	1.6	0.0051	ng/g	☼	04/30/18 09:30	05/10/18 16:17	5
PCB-110	**0.82**	**C B**	0.53	0.0043	ng/g	☼	04/30/18 09:30	05/10/18 16:17	5
PCB-111	ND		0.27	0.0042	ng/g	☼	04/30/18 09:30	05/10/18 16:17	5
PCB-112	ND		0.27	0.0044	ng/g	☼	04/30/18 09:30	05/10/18 16:17	5
PCB-113	**0.63**	**J C90**	0.80	0.0052	ng/g	☼	04/30/18 09:30	05/10/18 16:17	5
PCB-114	ND		0.27	0.011	ng/g	☼	04/30/18 09:30	05/10/18 16:17	5
PCB-115	**0.82**	**B C110**	0.53	0.0043	ng/g	☼	04/30/18 09:30	05/10/18 16:17	5
PCB-116	**0.17**	**J C85**	0.80	0.0050	ng/g	☼	04/30/18 09:30	05/10/18 16:17	5
PCB-117	**0.17**	**J C85**	0.80	0.0050	ng/g	☼	04/30/18 09:30	05/10/18 16:17	5
PCB-118	**0.66**		0.27	0.012	ng/g	☼	04/30/18 09:30	05/10/18 16:17	5
PCB-119	**0.47**	**J B C86**	1.6	0.0051	ng/g	☼	04/30/18 09:30	05/10/18 16:17	5
PCB-120	ND		0.27	0.0042	ng/g	☼	04/30/18 09:30	05/10/18 16:17	5
PCB-121	ND		0.27	0.0043	ng/g	☼	04/30/18 09:30	05/10/18 16:17	5
PCB-122	ND		0.27	0.015	ng/g	☼	04/30/18 09:30	05/10/18 16:17	5
PCB-123	ND		0.27	0.013	ng/g	☼	04/30/18 09:30	05/10/18 16:17	5
PCB-124	ND	C108	0.53	0.013	ng/g	☼	04/30/18 09:30	05/10/18 16:17	5
PCB-125	**0.47**	**J B C86**	1.6	0.0051	ng/g	☼	04/30/18 09:30	05/10/18 16:17	5
PCB-126	ND		0.27	0.013	ng/g	☼	04/30/18 09:30	05/10/18 16:17	5
PCB-127	ND		0.27	0.013	ng/g	☼	04/30/18 09:30	05/10/18 16:17	5
PCB-128	**0.095**	**J C q**	0.53	0.023	ng/g	☼	04/30/18 09:30	05/10/18 16:17	5
PCB-129	**1.0**	**J C**	1.1	0.024	ng/g	☼	04/30/18 09:30	05/10/18 16:17	5
PCB-130	**0.075**	**J**	0.27	0.031	ng/g	☼	04/30/18 09:30	05/10/18 16:17	5
PCB-131	ND		0.27	0.033	ng/g	☼	04/30/18 09:30	05/10/18 16:17	5
PCB-132	**0.25**	**J B q**	0.27	0.031	ng/g	☼	04/30/18 09:30	05/10/18 16:17	5
PCB-133	ND		0.27	0.030	ng/g	☼	04/30/18 09:30	05/10/18 16:17	5
PCB-134	ND	C	0.53	0.031	ng/g	☼	04/30/18 09:30	05/10/18 16:17	5
PCB-135	**0.21**	**J C q**	0.53	0.0053	ng/g	☼	04/30/18 09:30	05/10/18 16:17	5
PCB-136	**0.12**	**J**	0.27	0.0038	ng/g	☼	04/30/18 09:30	05/10/18 16:17	5
PCB-137	ND		0.27	0.027	ng/g	☼	04/30/18 09:30	05/10/18 16:17	5
PCB-138	**1.0**	**J C129**	1.1	0.024	ng/g	☼	04/30/18 09:30	05/10/18 16:17	5
PCB-139	ND	C	0.53	0.026	ng/g	☼	04/30/18 09:30	05/10/18 16:17	5
PCB-140	ND	C139	0.53	0.026	ng/g	☼	04/30/18 09:30	05/10/18 16:17	5
PCB-141	**0.19**	**J**	0.27	0.028	ng/g	☼	04/30/18 09:30	05/10/18 16:17	5
PCB-142	ND		0.27	0.030	ng/g	☼	04/30/18 09:30	05/10/18 16:17	5
PCB-143	ND	C134	0.53	0.031	ng/g	☼	04/30/18 09:30	05/10/18 16:17	5
PCB-144	**0.018**	**J q**	0.27	0.0048	ng/g	☼	04/30/18 09:30	05/10/18 16:17	5
PCB-145	ND		0.27	0.0036	ng/g	☼	04/30/18 09:30	05/10/18 16:17	5
PCB-146	**0.17**	**J**	0.27	0.026	ng/g	☼	04/30/18 09:30	05/10/18 16:17	5
PCB-147	**0.76**	**C**	0.53	0.030	ng/g	☼	04/30/18 09:30	05/10/18 16:17	5

Client Sample ID: PDI-SG-B213-BL1
Date Collected: 04/19/18 11:10
Date Received: 04/20/18 13:00

Lab Sample ID: 580-76755-15
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		0.27	0.0051	ng/g	☼	04/30/18 09:30	05/10/18 16:17	5
PCB-149	**0.76**	**C147**	0.53	0.030	ng/g	☼	04/30/18 09:30	05/10/18 16:17	5
PCB-150	ND		0.27	0.0035	ng/g	☼	04/30/18 09:30	05/10/18 16:17	5
PCB-151	**0.21**	**J C135 q**	0.53	0.0053	ng/g	☼	04/30/18 09:30	05/10/18 16:17	5
PCB-152	ND		0.27	0.0037	ng/g	☼	04/30/18 09:30	05/10/18 16:17	5
PCB-153	**0.73**	**C**	0.53	0.021	ng/g	☼	04/30/18 09:30	05/10/18 16:17	5
PCB-154	ND		0.27	0.0041	ng/g	☼	04/30/18 09:30	05/10/18 16:17	5
PCB-155	ND		0.27	0.0035	ng/g	☼	04/30/18 09:30	05/10/18 16:17	5
PCB-156	**0.093**	**J C**	0.53	0.024	ng/g	☼	04/30/18 09:30	05/10/18 16:17	5
PCB-157	**0.093**	**J C156**	0.53	0.024	ng/g	☼	04/30/18 09:30	05/10/18 16:17	5
PCB-158	**0.092**	**J**	0.27	0.019	ng/g	☼	04/30/18 09:30	05/10/18 16:17	5
PCB-159	ND		0.27	0.020	ng/g	☼	04/30/18 09:30	05/10/18 16:17	5
PCB-160	**1.0**	**J C129**	1.1	0.024	ng/g	☼	04/30/18 09:30	05/10/18 16:17	5
PCB-161	ND		0.27	0.020	ng/g	☼	04/30/18 09:30	05/10/18 16:17	5
PCB-162	ND		0.27	0.019	ng/g	☼	04/30/18 09:30	05/10/18 16:17	5
PCB-163	**1.0**	**J C129**	1.1	0.024	ng/g	☼	04/30/18 09:30	05/10/18 16:17	5
PCB-164	**0.076**	**J**	0.27	0.021	ng/g	☼	04/30/18 09:30	05/10/18 16:17	5
PCB-165	ND		0.27	0.022	ng/g	☼	04/30/18 09:30	05/10/18 16:17	5
PCB-166	**0.095**	**J C128 q**	0.53	0.023	ng/g	☼	04/30/18 09:30	05/10/18 16:17	5
PCB-167	ND		0.27	0.015	ng/g	☼	04/30/18 09:30	05/10/18 16:17	5
PCB-168	**0.73**	**C153**	0.53	0.021	ng/g	☼	04/30/18 09:30	05/10/18 16:17	5
PCB-169	ND		0.27	0.016	ng/g	☼	04/30/18 09:30	05/10/18 16:17	5
PCB-170	**0.25**	**J q**	0.27	0.0087	ng/g	☼	04/30/18 09:30	05/10/18 16:17	5
PCB-171	**0.091**	**J C**	0.53	0.0091	ng/g	☼	04/30/18 09:30	05/10/18 16:17	5
PCB-172	**0.068**	**J**	0.27	0.0090	ng/g	☼	04/30/18 09:30	05/10/18 16:17	5
PCB-173	**0.091**	**J C171**	0.53	0.0091	ng/g	☼	04/30/18 09:30	05/10/18 16:17	5
PCB-174	**0.29**	**q**	0.27	0.0085	ng/g	☼	04/30/18 09:30	05/10/18 16:17	5
PCB-175	ND		0.27	0.0082	ng/g	☼	04/30/18 09:30	05/10/18 16:17	5
PCB-176	ND		0.27	0.0062	ng/g	☼	04/30/18 09:30	05/10/18 16:17	5
PCB-177	**0.16**	**J**	0.27	0.0087	ng/g	☼	04/30/18 09:30	05/10/18 16:17	5
PCB-178	**0.045**	**J q**	0.27	0.0089	ng/g	☼	04/30/18 09:30	05/10/18 16:17	5
PCB-179	**0.12**	**J**	0.27	0.0065	ng/g	☼	04/30/18 09:30	05/10/18 16:17	5
PCB-180	**0.65**	**C**	0.53	0.0068	ng/g	☼	04/30/18 09:30	05/10/18 16:17	5
PCB-181	**0.044**	**J q**	0.27	0.0082	ng/g	☼	04/30/18 09:30	05/10/18 16:17	5
PCB-182	ND		0.27	0.0079	ng/g	☼	04/30/18 09:30	05/10/18 16:17	5
PCB-183	**0.12**	**J C q**	0.53	0.0080	ng/g	☼	04/30/18 09:30	05/10/18 16:17	5
PCB-184	ND		0.27	0.0067	ng/g	☼	04/30/18 09:30	05/10/18 16:17	5
PCB-185	**0.12**	**J C183 q**	0.53	0.0080	ng/g	☼	04/30/18 09:30	05/10/18 16:17	5
PCB-186	ND		0.27	0.0065	ng/g	☼	04/30/18 09:30	05/10/18 16:17	5
PCB-187	**0.32**	**q**	0.27	0.0076	ng/g	☼	04/30/18 09:30	05/10/18 16:17	5
PCB-188	ND		0.27	0.0061	ng/g	☼	04/30/18 09:30	05/10/18 16:17	5
PCB-189	ND		0.27	0.019	ng/g	☼	04/30/18 09:30	05/10/18 16:17	5
PCB-190	**0.060**	**J B**	0.27	0.0059	ng/g	☼	04/30/18 09:30	05/10/18 16:17	5
PCB-191	ND		0.27	0.0062	ng/g	☼	04/30/18 09:30	05/10/18 16:17	5
PCB-192	ND		0.27	0.0069	ng/g	☼	04/30/18 09:30	05/10/18 16:17	5
PCB-193	**0.65**	**C180**	0.53	0.0068	ng/g	☼	04/30/18 09:30	05/10/18 16:17	5
PCB-194	**0.20**	**J q**	0.27	0.045	ng/g	☼	04/30/18 09:30	05/10/18 16:17	5
PCB-195	ND		0.27	0.049	ng/g	☼	04/30/18 09:30	05/10/18 16:17	5
PCB-196	**0.13**	**J**	0.27	0.0072	ng/g	☼	04/30/18 09:30	05/10/18 16:17	5

Client Sample ID: PDI-SG-B213-BL1
Date Collected: 04/19/18 11:10
Date Received: 04/20/18 13:00

Lab Sample ID: 580-76755-15
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		0.27	0.0055	ng/g	☼	04/30/18 09:30	05/10/18 16:17	5
PCB-198	**0.55**	**C B q**	0.53	0.0073	ng/g	☼	04/30/18 09:30	05/10/18 16:17	5
PCB-199	**0.55**	**C198 B q**	0.53	0.0073	ng/g	☼	04/30/18 09:30	05/10/18 16:17	5
PCB-200	ND		0.27	0.0049	ng/g	☼	04/30/18 09:30	05/10/18 16:17	5
PCB-201	ND		0.27	0.0050	ng/g	☼	04/30/18 09:30	05/10/18 16:17	5
PCB-202	**0.058**	**J**	0.27	0.0056	ng/g	☼	04/30/18 09:30	05/10/18 16:17	5
PCB-203	**0.078**	**J q**	0.27	0.0065	ng/g	☼	04/30/18 09:30	05/10/18 16:17	5
PCB-204	ND		0.27	0.0055	ng/g	☼	04/30/18 09:30	05/10/18 16:17	5
PCB-205	ND		0.27	0.038	ng/g	☼	04/30/18 09:30	05/10/18 16:17	5
PCB-206	**13**		0.27	0.087	ng/g	☼	04/30/18 09:30	05/10/18 16:17	5
PCB-207	ND		0.27	0.063	ng/g	☼	04/30/18 09:30	05/10/18 16:17	5
PCB-208	**1.3**		0.27	0.065	ng/g	☼	04/30/18 09:30	05/10/18 16:17	5
PCB-209	**57**	**B**	0.27	0.019	ng/g	☼	04/30/18 09:30	05/10/18 16:17	5

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
PCB-1L	*99*		*30 - 140*	*04/30/18 09:30*	*05/10/18 16:17*	*5*
PCB-3L	*92*		*30 - 140*	*04/30/18 09:30*	*05/10/18 16:17*	*5*
PCB-4L	*84*		*30 - 140*	*04/30/18 09:30*	*05/10/18 16:17*	*5*
PCB-15L	*78*		*30 - 140*	*04/30/18 09:30*	*05/10/18 16:17*	*5*
PCB-19L	*89*		*30 - 140*	*04/30/18 09:30*	*05/10/18 16:17*	*5*
PCB-37L	*83*		*30 - 140*	*04/30/18 09:30*	*05/10/18 16:17*	*5*
PCB-54L	*79*		*30 - 140*	*04/30/18 09:30*	*05/10/18 16:17*	*5*
PCB-77L	*86*		*30 - 140*	*04/30/18 09:30*	*05/10/18 16:17*	*5*
PCB-81L	*88*		*30 - 140*	*04/30/18 09:30*	*05/10/18 16:17*	*5*
PCB-104L	*89*		*30 - 140*	*04/30/18 09:30*	*05/10/18 16:17*	*5*
PCB-105L	*88*		*30 - 140*	*04/30/18 09:30*	*05/10/18 16:17*	*5*
PCB-114L	*95*		*30 - 140*	*04/30/18 09:30*	*05/10/18 16:17*	*5*
PCB-118L	*91*		*30 - 140*	*04/30/18 09:30*	*05/10/18 16:17*	*5*
PCB-123L	*87*		*30 - 140*	*04/30/18 09:30*	*05/10/18 16:17*	*5*
PCB-126L	*87*		*30 - 140*	*04/30/18 09:30*	*05/10/18 16:17*	*5*
PCB-155L	*92*		*30 - 140*	*04/30/18 09:30*	*05/10/18 16:17*	*5*
PCB-156L	*90*	*C*	*30 - 140*	*04/30/18 09:30*	*05/10/18 16:17*	*5*
PCB-157L	*90*	*C156*	*30 - 140*	*04/30/18 09:30*	*05/10/18 16:17*	*5*
PCB-167L	*92*		*30 - 140*	*04/30/18 09:30*	*05/10/18 16:17*	*5*
PCB-169L	*95*		*30 - 140*	*04/30/18 09:30*	*05/10/18 16:17*	*5*
PCB-170L	*90*		*30 - 140*	*04/30/18 09:30*	*05/10/18 16:17*	*5*
PCB-188L	*94*		*30 - 140*	*04/30/18 09:30*	*05/10/18 16:17*	*5*
PCB-189L	*99*		*30 - 140*	*04/30/18 09:30*	*05/10/18 16:17*	*5*
PCB-202L	*99*		*30 - 140*	*04/30/18 09:30*	*05/10/18 16:17*	*5*
PCB-205L	*78*		*30 - 140*	*04/30/18 09:30*	*05/10/18 16:17*	*5*
PCB-206L	*76*		*30 - 140*	*04/30/18 09:30*	*05/10/18 16:17*	*5*
PCB-208L	*75*		*30 - 140*	*04/30/18 09:30*	*05/10/18 16:17*	*5*
PCB-209L	*69*		*30 - 140*	*04/30/18 09:30*	*05/10/18 16:17*	*5*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
PCB-28L	*92*		*40 - 125*	*04/30/18 09:30*	*05/10/18 16:17*	*5*
PCB-111L	*96*		*40 - 125*	*04/30/18 09:30*	*05/10/18 16:17*	*5*
PCB-178L	*91*		*40 - 125*	*04/30/18 09:30*	*05/10/18 16:17*	*5*

Client Sample ID: PDI-SG-B216-BL1
Date Collected: 04/19/18 12:15
Date Received: 04/20/18 13:00

Lab Sample ID: 580-76755-16
Matrix: Solid
Percent Solids: 59.8

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1	0.0070	J q B	0.0099	0.00047	ng/g	☼	04/30/18 11:50	05/09/18 08:12	1
PCB-2	0.0075	J q B	0.0099	0.00051	ng/g	☼	04/30/18 11:50	05/09/18 08:12	1
PCB-3	0.013		0.0099	0.00058	ng/g	☼	04/30/18 11:50	05/09/18 08:12	1
PCB-4	0.23		0.020	0.0025	ng/g	☼	04/30/18 11:50	05/09/18 08:12	1
PCB-5	0.0035	J	0.0099	0.0016	ng/g	☼	04/30/18 11:50	05/09/18 08:12	1
PCB-6	0.064		0.0099	0.0016	ng/g	☼	04/30/18 11:50	05/09/18 08:12	1
PCB-7	0.0058	J q	0.0099	0.0016	ng/g	☼	04/30/18 11:50	05/09/18 08:12	1
PCB-8	0.34	B	0.020	0.0016	ng/g	☼	04/30/18 11:50	05/09/18 08:12	1
PCB-9	0.021	B	0.0099	0.0018	ng/g	☼	04/30/18 11:50	05/09/18 08:12	1
PCB-10	0.0081	J q	0.0099	0.0018	ng/g	☼	04/30/18 11:50	05/09/18 08:12	1
PCB-11	0.046	B	0.020	0.0015	ng/g	☼	04/30/18 11:50	05/09/18 08:12	1
PCB-12	0.024	q C	0.020	0.0015	ng/g	☼	04/30/18 11:50	05/09/18 08:12	1
PCB-13	0.024	q C12	0.020	0.0015	ng/g	☼	04/30/18 11:50	05/09/18 08:12	1
PCB-14	0.0045	J q	0.0099	0.0014	ng/g	☼	04/30/18 11:50	05/09/18 08:12	1
PCB-15	0.13		0.0099	0.0015	ng/g	☼	04/30/18 11:50	05/09/18 08:12	1
PCB-16	0.78		0.0099	0.0024	ng/g	☼	04/30/18 11:50	05/09/18 08:12	1
PCB-17	0.69		0.0099	0.0018	ng/g	☼	04/30/18 11:50	05/09/18 08:12	1
PCB-18	1.7	C	0.020	0.0016	ng/g	☼	04/30/18 11:50	05/09/18 08:12	1
PCB-19	0.16		0.0099	0.0023	ng/g	☼	04/30/18 11:50	05/09/18 08:12	1
PCB-20	1.9	C B	0.020	0.017	ng/g	☼	04/30/18 11:50	05/09/18 08:12	1
PCB-21	0.87	C B	0.020	0.016	ng/g	☼	04/30/18 11:50	05/09/18 08:12	1
PCB-22	0.73	G B	0.017	0.017	ng/g	☼	04/30/18 11:50	05/09/18 08:12	1
PCB-23	ND	G	0.017	0.017	ng/g	☼	04/30/18 11:50	05/09/18 08:12	1
PCB-24	0.020	q	0.0099	0.0014	ng/g	☼	04/30/18 11:50	05/09/18 08:12	1
PCB-25	0.16	G	0.016	0.016	ng/g	☼	04/30/18 11:50	05/09/18 08:12	1
PCB-26	0.32	C	0.020	0.017	ng/g	☼	04/30/18 11:50	05/09/18 08:12	1
PCB-27	0.12		0.0099	0.0014	ng/g	☼	04/30/18 11:50	05/09/18 08:12	1
PCB-28	1.9	C20 B	0.020	0.017	ng/g	☼	04/30/18 11:50	05/09/18 08:12	1
PCB-29	0.32	C26	0.020	0.017	ng/g	☼	04/30/18 11:50	05/09/18 08:12	1
PCB-30	1.7	C18	0.020	0.0016	ng/g	☼	04/30/18 11:50	05/09/18 08:12	1
PCB-31	1.8	B	0.020	0.016	ng/g	☼	04/30/18 11:50	05/09/18 08:12	1
PCB-32	0.49		0.0099	0.0013	ng/g	☼	04/30/18 11:50	05/09/18 08:12	1
PCB-33	0.87	C21 B	0.020	0.016	ng/g	☼	04/30/18 11:50	05/09/18 08:12	1
PCB-34	ND	G	0.018	0.018	ng/g	☼	04/30/18 11:50	05/09/18 08:12	1
PCB-35	ND	G	0.017	0.017	ng/g	☼	04/30/18 11:50	05/09/18 08:12	1
PCB-36	ND	G	0.015	0.015	ng/g	☼	04/30/18 11:50	05/09/18 08:12	1
PCB-37	0.34	G B	0.016	0.016	ng/g	☼	04/30/18 11:50	05/09/18 08:12	1
PCB-38	ND	G	0.017	0.017	ng/g	☼	04/30/18 11:50	05/09/18 08:12	1
PCB-39	ND	G	0.015	0.015	ng/g	☼	04/30/18 11:50	05/09/18 08:12	1
PCB-40	1.9	C	0.030	0.0047	ng/g	☼	04/30/18 11:50	05/09/18 08:12	1
PCB-41	1.9	C40	0.030	0.0047	ng/g	☼	04/30/18 11:50	05/09/18 08:12	1
PCB-42	0.85		0.0099	0.0048	ng/g	☼	04/30/18 11:50	05/09/18 08:12	1
PCB-43	0.13	C	0.020	0.0043	ng/g	☼	04/30/18 11:50	05/09/18 08:12	1
PCB-44	3.0	C B	0.030	0.0042	ng/g	☼	04/30/18 11:50	05/09/18 08:12	1
PCB-45	0.67	C	0.020	0.0050	ng/g	☼	04/30/18 11:50	05/09/18 08:12	1
PCB-46	0.24		0.0099	0.0058	ng/g	☼	04/30/18 11:50	05/09/18 08:12	1
PCB-47	3.0	C44 B	0.030	0.0042	ng/g	☼	04/30/18 11:50	05/09/18 08:12	1
PCB-48	0.74		0.0099	0.0045	ng/g	☼	04/30/18 11:50	05/09/18 08:12	1
PCB-49	1.7	C B	0.020	0.0038	ng/g	☼	04/30/18 11:50	05/09/18 08:12	1

Client Sample ID: PDI-SG-B216-BL1
Date Collected: 04/19/18 12:15
Date Received: 04/20/18 13:00

Lab Sample ID: 580-76755-16
Matrix: Solid
Percent Solids: 59.8

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-50	0.51	C	0.020	0.0047	ng/g	☼	04/30/18 11:50	05/09/18 08:12	1
PCB-51	0.67	C45	0.020	0.0050	ng/g	☼	04/30/18 11:50	05/09/18 08:12	1
PCB-52	3.4	B	0.0099	0.0050	ng/g	☼	04/30/18 11:50	05/09/18 08:12	1
PCB-53	0.51	C50	0.020	0.0047	ng/g	☼	04/30/18 11:50	05/09/18 08:12	1
PCB-54	0.0076	J	0.0099	0.00010	ng/g	☼	04/30/18 11:50	05/09/18 08:12	1
PCB-55	0.075		0.0099	0.0032	ng/g	☼	04/30/18 11:50	05/09/18 08:12	1
PCB-56	1.4	B	0.0099	0.0033	ng/g	☼	04/30/18 11:50	05/09/18 08:12	1
PCB-57	ND		0.0099	0.0033	ng/g	☼	04/30/18 11:50	05/09/18 08:12	1
PCB-58	0.0063	J q	0.0099	0.0032	ng/g	☼	04/30/18 11:50	05/09/18 08:12	1
PCB-59	0.27	C	0.030	0.0032	ng/g	☼	04/30/18 11:50	05/09/18 08:12	1
PCB-60	0.69		0.0099	0.0032	ng/g	☼	04/30/18 11:50	05/09/18 08:12	1
PCB-61	4.2	C B	0.040	0.0031	ng/g	☼	04/30/18 11:50	05/09/18 08:12	1
PCB-62	0.27	C59	0.030	0.0032	ng/g	☼	04/30/18 11:50	05/09/18 08:12	1
PCB-63	0.10	q	0.0099	0.0028	ng/g	☼	04/30/18 11:50	05/09/18 08:12	1
PCB-64	1.3		0.0099	0.0030	ng/g	☼	04/30/18 11:50	05/09/18 08:12	1
PCB-65	3.0	C44 B	0.030	0.0042	ng/g	☼	04/30/18 11:50	05/09/18 08:12	1
PCB-66	2.4		0.0099	0.0031	ng/g	☼	04/30/18 11:50	05/09/18 08:12	1
PCB-67	0.068		0.0099	0.0030	ng/g	☼	04/30/18 11:50	05/09/18 08:12	1
PCB-68	ND		0.0099	0.0029	ng/g	☼	04/30/18 11:50	05/09/18 08:12	1
PCB-69	1.7	C49 B	0.020	0.0038	ng/g	☼	04/30/18 11:50	05/09/18 08:12	1
PCB-70	4.2	C61 B	0.040	0.0031	ng/g	☼	04/30/18 11:50	05/09/18 08:12	1
PCB-71	1.9	C40	0.030	0.0047	ng/g	☼	04/30/18 11:50	05/09/18 08:12	1
PCB-72	ND		0.0099	0.0032	ng/g	☼	04/30/18 11:50	05/09/18 08:12	1
PCB-73	0.13	C43	0.020	0.0043	ng/g	☼	04/30/18 11:50	05/09/18 08:12	1
PCB-74	4.2	C61 B	0.040	0.0031	ng/g	☼	04/30/18 11:50	05/09/18 08:12	1
PCB-75	0.27	C59	0.030	0.0032	ng/g	☼	04/30/18 11:50	05/09/18 08:12	1
PCB-76	4.2	C61 B	0.040	0.0031	ng/g	☼	04/30/18 11:50	05/09/18 08:12	1
PCB-77	0.16		0.0099	0.0030	ng/g	☼	04/30/18 11:50	05/09/18 08:12	1
PCB-78	ND		0.0099	0.0032	ng/g	☼	04/30/18 11:50	05/09/18 08:12	1
PCB-79	0.0090	J q	0.0099	0.0027	ng/g	☼	04/30/18 11:50	05/09/18 08:12	1
PCB-80	ND		0.0099	0.0028	ng/g	☼	04/30/18 11:50	05/09/18 08:12	1
PCB-81	ND		0.0099	0.0030	ng/g	☼	04/30/18 11:50	05/09/18 08:12	1
PCB-82	0.43		0.0099	0.0012	ng/g	☼	04/30/18 11:50	05/09/18 08:12	1
PCB-83	1.6	C	0.020	0.0011	ng/g	☼	04/30/18 11:50	05/09/18 08:12	1
PCB-84	0.78		0.0099	0.0012	ng/g	☼	04/30/18 11:50	05/09/18 08:12	1
PCB-85	0.52	C	0.030	0.00086	ng/g	☼	04/30/18 11:50	05/09/18 08:12	1
PCB-86	1.6	C B	0.060	0.00091	ng/g	☼	04/30/18 11:50	05/09/18 08:12	1
PCB-87	1.6	C86 B	0.060	0.00091	ng/g	☼	04/30/18 11:50	05/09/18 08:12	1
PCB-88	0.44	C	0.020	0.0011	ng/g	☼	04/30/18 11:50	05/09/18 08:12	1
PCB-89	0.079		0.0099	0.0012	ng/g	☼	04/30/18 11:50	05/09/18 08:12	1
PCB-90	2.5	C	0.030	0.00092	ng/g	☼	04/30/18 11:50	05/09/18 08:12	1
PCB-91	0.44	C88	0.020	0.0011	ng/g	☼	04/30/18 11:50	05/09/18 08:12	1
PCB-92	0.53		0.0099	0.0011	ng/g	☼	04/30/18 11:50	05/09/18 08:12	1
PCB-93	0.026	q C	0.020	0.0011	ng/g	☼	04/30/18 11:50	05/09/18 08:12	1
PCB-94	ND		0.0099	0.0012	ng/g	☼	04/30/18 11:50	05/09/18 08:12	1
PCB-95	2.2	B	0.0099	0.0011	ng/g	☼	04/30/18 11:50	05/09/18 08:12	1
PCB-96	0.038	q	0.0099	0.00088	ng/g	☼	04/30/18 11:50	05/09/18 08:12	1
PCB-97	1.6	C86 B	0.060	0.00091	ng/g	☼	04/30/18 11:50	05/09/18 08:12	1
PCB-98	0.16	C	0.020	0.0011	ng/g	☼	04/30/18 11:50	05/09/18 08:12	1

Client Sample ID: PDI-SG-B216-BL1
Date Collected: 04/19/18 12:15
Date Received: 04/20/18 13:00

Lab Sample ID: 580-76755-16
Matrix: Solid
Percent Solids: 59.8

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-99	1.6	C83	0.020	0.0011	ng/g	☼	04/30/18 11:50	05/09/18 08:12	1
PCB-100	0.026	q C93	0.020	0.0011	ng/g	☼	04/30/18 11:50	05/09/18 08:12	1
PCB-101	2.5	C90	0.030	0.00092	ng/g	☼	04/30/18 11:50	05/09/18 08:12	1
PCB-102	0.16	C98	0.020	0.0011	ng/g	☼	04/30/18 11:50	05/09/18 08:12	1
PCB-103	0.039		0.0099	0.0010	ng/g	☼	04/30/18 11:50	05/09/18 08:12	1
PCB-104	ND		0.0099	0.00079	ng/g	☼	04/30/18 11:50	05/09/18 08:12	1
PCB-105	0.81		0.0099	0.0048	ng/g	☼	04/30/18 11:50	05/09/18 08:12	1
PCB-106	ND		0.0099	0.0050	ng/g	☼	04/30/18 11:50	05/09/18 08:12	1
PCB-107	0.17		0.0099	0.0049	ng/g	☼	04/30/18 11:50	05/09/18 08:12	1
PCB-108	0.065	C	0.020	0.0051	ng/g	☼	04/30/18 11:50	05/09/18 08:12	1
PCB-109	1.6	C86 B	0.060	0.00091	ng/g	☼	04/30/18 11:50	05/09/18 08:12	1
PCB-110	2.5	C B	0.020	0.00075	ng/g	☼	04/30/18 11:50	05/09/18 08:12	1
PCB-111	ND		0.0099	0.00070	ng/g	☼	04/30/18 11:50	05/09/18 08:12	1
PCB-112	0.014	q	0.0099	0.00077	ng/g	☼	04/30/18 11:50	05/09/18 08:12	1
PCB-113	2.5	C90	0.030	0.00092	ng/g	☼	04/30/18 11:50	05/09/18 08:12	1
PCB-114	0.052		0.0099	0.0047	ng/g	☼	04/30/18 11:50	05/09/18 08:12	1
PCB-115	2.5	C110 B	0.020	0.00075	ng/g	☼	04/30/18 11:50	05/09/18 08:12	1
PCB-116	0.52	C85	0.030	0.00086	ng/g	☼	04/30/18 11:50	05/09/18 08:12	1
PCB-117	0.52	C85	0.030	0.00086	ng/g	☼	04/30/18 11:50	05/09/18 08:12	1
PCB-118	1.5		0.0099	0.0045	ng/g	☼	04/30/18 11:50	05/09/18 08:12	1
PCB-119	1.6	C86 B	0.060	0.00091	ng/g	☼	04/30/18 11:50	05/09/18 08:12	1
PCB-120	0.014	B	0.0099	0.00070	ng/g	☼	04/30/18 11:50	05/09/18 08:12	1
PCB-121	ND		0.0099	0.00075	ng/g	☼	04/30/18 11:50	05/09/18 08:12	1
PCB-122	0.040		0.0099	0.0055	ng/g	☼	04/30/18 11:50	05/09/18 08:12	1
PCB-123	0.042		0.0099	0.0045	ng/g	☼	04/30/18 11:50	05/09/18 08:12	1
PCB-124	0.065	C108	0.020	0.0051	ng/g	☼	04/30/18 11:50	05/09/18 08:12	1
PCB-125	1.6	C86 B	0.060	0.00091	ng/g	☼	04/30/18 11:50	05/09/18 08:12	1
PCB-126	0.0063	J q	0.0099	0.0047	ng/g	☼	04/30/18 11:50	05/09/18 08:12	1
PCB-127	ND		0.0099	0.0048	ng/g	☼	04/30/18 11:50	05/09/18 08:12	1
PCB-128	0.42	C	0.020	0.0048	ng/g	☼	04/30/18 11:50	05/09/18 08:12	1
PCB-129	4.0	C B	0.040	0.0049	ng/g	☼	04/30/18 11:50	05/09/18 08:12	1
PCB-130	0.24		0.0099	0.0065	ng/g	☼	04/30/18 11:50	05/09/18 08:12	1
PCB-131	ND		0.0099	0.0066	ng/g	☼	04/30/18 11:50	05/09/18 08:12	1
PCB-132	1.2		0.0099	0.0063	ng/g	☼	04/30/18 11:50	05/09/18 08:12	1
PCB-133	0.079		0.0099	0.0061	ng/g	☼	04/30/18 11:50	05/09/18 08:12	1
PCB-134	0.20	C	0.020	0.0064	ng/g	☼	04/30/18 11:50	05/09/18 08:12	1
PCB-135	1.5	C	0.020	0.00071	ng/g	☼	04/30/18 11:50	05/09/18 08:12	1
PCB-136	0.50		0.0099	0.00051	ng/g	☼	04/30/18 11:50	05/09/18 08:12	1
PCB-137	0.080		0.0099	0.0053	ng/g	☼	04/30/18 11:50	05/09/18 08:12	1
PCB-138	4.0	C129 B	0.040	0.0049	ng/g	☼	04/30/18 11:50	05/09/18 08:12	1
PCB-139	0.052	C	0.020	0.0055	ng/g	☼	04/30/18 11:50	05/09/18 08:12	1
PCB-140	0.052	C139	0.020	0.0055	ng/g	☼	04/30/18 11:50	05/09/18 08:12	1
PCB-141	0.89		0.0099	0.0057	ng/g	☼	04/30/18 11:50	05/09/18 08:12	1
PCB-142	ND		0.0099	0.0062	ng/g	☼	04/30/18 11:50	05/09/18 08:12	1
PCB-143	0.20	C134	0.020	0.0064	ng/g	☼	04/30/18 11:50	05/09/18 08:12	1
PCB-144	0.21		0.0099	0.00066	ng/g	☼	04/30/18 11:50	05/09/18 08:12	1
PCB-145	ND		0.0099	0.00051	ng/g	☼	04/30/18 11:50	05/09/18 08:12	1
PCB-146	0.77	B	0.0099	0.0051	ng/g	☼	04/30/18 11:50	05/09/18 08:12	1
PCB-147	3.3	C B	0.020	0.0055	ng/g	☼	04/30/18 11:50	05/09/18 08:12	1

Client Sample ID: PDI-SG-B216-BL1
Date Collected: 04/19/18 12:15
Date Received: 04/20/18 13:00

Lab Sample ID: 580-76755-16
Matrix: Solid
Percent Solids: 59.8

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-148	0.0094	J q	0.0099	0.00068	ng/g	☼	04/30/18 11:50	05/09/18 08:12	1
PCB-149	3.3	C147 B	0.020	0.0055	ng/g	☼	04/30/18 11:50	05/09/18 08:12	1
PCB-150	0.0035	J q	0.0099	0.00046	ng/g	☼	04/30/18 11:50	05/09/18 08:12	1
PCB-151	1.5	C135	0.020	0.00071	ng/g	☼	04/30/18 11:50	05/09/18 08:12	1
PCB-152	0.0022	J q	0.0099	0.00049	ng/g	☼	04/30/18 11:50	05/09/18 08:12	1
PCB-153	3.6	C B	0.020	0.0043	ng/g	☼	04/30/18 11:50	05/09/18 08:12	1
PCB-154	0.066	q	0.0099	0.00059	ng/g	☼	04/30/18 11:50	05/09/18 08:12	1
PCB-155	ND		0.0099	0.00047	ng/g	☼	04/30/18 11:50	05/09/18 08:12	1
PCB-156	0.28	C	0.020	0.0051	ng/g	☼	04/30/18 11:50	05/09/18 08:12	1
PCB-157	0.28	C156	0.020	0.0051	ng/g	☼	04/30/18 11:50	05/09/18 08:12	1
PCB-158	0.37		0.0099	0.0038	ng/g	☼	04/30/18 11:50	05/09/18 08:12	1
PCB-159	0.066		0.0099	0.0039	ng/g	☼	04/30/18 11:50	05/09/18 08:12	1
PCB-160	4.0	C129 B	0.040	0.0049	ng/g	☼	04/30/18 11:50	05/09/18 08:12	1
PCB-161	ND		0.0099	0.0040	ng/g	☼	04/30/18 11:50	05/09/18 08:12	1
PCB-162	ND		0.0099	0.0038	ng/g	☼	04/30/18 11:50	05/09/18 08:12	1
PCB-163	4.0	C129 B	0.040	0.0049	ng/g	☼	04/30/18 11:50	05/09/18 08:12	1
PCB-164	0.29		0.0099	0.0041	ng/g	☼	04/30/18 11:50	05/09/18 08:12	1
PCB-165	ND		0.0099	0.0046	ng/g	☼	04/30/18 11:50	05/09/18 08:12	1
PCB-166	0.42	C128	0.020	0.0048	ng/g	☼	04/30/18 11:50	05/09/18 08:12	1
PCB-167	0.12		0.0099	0.0029	ng/g	☼	04/30/18 11:50	05/09/18 08:12	1
PCB-168	3.6	C153 B	0.020	0.0043	ng/g	☼	04/30/18 11:50	05/09/18 08:12	1
PCB-169	ND		0.0099	0.0030	ng/g	☼	04/30/18 11:50	05/09/18 08:12	1
PCB-170	1.8		0.0099	0.00089	ng/g	☼	04/30/18 11:50	05/09/18 08:12	1
PCB-171	0.57	C	0.020	0.00087	ng/g	☼	04/30/18 11:50	05/09/18 08:12	1
PCB-172	0.28		0.0099	0.00085	ng/g	☼	04/30/18 11:50	05/09/18 08:12	1
PCB-173	0.57	C171	0.020	0.00087	ng/g	☼	04/30/18 11:50	05/09/18 08:12	1
PCB-174	2.0		0.0099	0.00089	ng/g	☼	04/30/18 11:50	05/09/18 08:12	1
PCB-175	0.083		0.0099	0.00080	ng/g	☼	04/30/18 11:50	05/09/18 08:12	1
PCB-176	0.23		0.0099	0.00056	ng/g	☼	04/30/18 11:50	05/09/18 08:12	1
PCB-177	1.1		0.0099	0.00089	ng/g	☼	04/30/18 11:50	05/09/18 08:12	1
PCB-178	0.36		0.0099	0.00083	ng/g	☼	04/30/18 11:50	05/09/18 08:12	1
PCB-179	0.71		0.0099	0.00061	ng/g	☼	04/30/18 11:50	05/09/18 08:12	1
PCB-180	3.6	C	0.020	0.00066	ng/g	☼	04/30/18 11:50	05/09/18 08:12	1
PCB-181	0.084		0.0099	0.00076	ng/g	☼	04/30/18 11:50	05/09/18 08:12	1
PCB-182	ND		0.0099	0.00072	ng/g	☼	04/30/18 11:50	05/09/18 08:12	1
PCB-183	1.2	C	0.020	0.00073	ng/g	☼	04/30/18 11:50	05/09/18 08:12	1
PCB-184	ND		0.0099	0.00062	ng/g	☼	04/30/18 11:50	05/09/18 08:12	1
PCB-185	1.2	C183	0.020	0.00073	ng/g	☼	04/30/18 11:50	05/09/18 08:12	1
PCB-186	ND		0.0099	0.00059	ng/g	☼	04/30/18 11:50	05/09/18 08:12	1
PCB-187	2.0		0.0099	0.00075	ng/g	☼	04/30/18 11:50	05/09/18 08:12	1
PCB-188	ND		0.0099	0.00055	ng/g	☼	04/30/18 11:50	05/09/18 08:12	1
PCB-189	0.064		0.0099	0.0016	ng/g	☼	04/30/18 11:50	05/09/18 08:12	1
PCB-190	0.36		0.0099	0.00057	ng/g	☼	04/30/18 11:50	05/09/18 08:12	1
PCB-191	0.088		0.0099	0.00057	ng/g	☼	04/30/18 11:50	05/09/18 08:12	1
PCB-192	ND		0.0099	0.00061	ng/g	☼	04/30/18 11:50	05/09/18 08:12	1
PCB-193	3.6	C180	0.020	0.00066	ng/g	☼	04/30/18 11:50	05/09/18 08:12	1
PCB-194	0.80		0.0099	0.0047	ng/g	☼	04/30/18 11:50	05/09/18 08:12	1
PCB-195	0.42		0.0099	0.0053	ng/g	☼	04/30/18 11:50	05/09/18 08:12	1
PCB-196	0.38		0.0099	0.0027	ng/g	☼	04/30/18 11:50	05/09/18 08:12	1

Client Sample ID: PDI-SG-B216-BL1
Date Collected: 04/19/18 12:15
Date Received: 04/20/18 13:00

Lab Sample ID: 580-76755-16
Matrix: Solid
Percent Solids: 59.8

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-197	0.029	q	0.0099	0.0018	ng/g	☼	04/30/18 11:50	05/09/18 08:12	1
PCB-198	0.80	C B	0.020	0.0028	ng/g	☼	04/30/18 11:50	05/09/18 08:12	1
PCB-199	0.80	C198 B	0.020	0.0028	ng/g	☼	04/30/18 11:50	05/09/18 08:12	1
PCB-200	0.099		0.0099	0.0020	ng/g	☼	04/30/18 11:50	05/09/18 08:12	1
PCB-201	0.10		0.0099	0.0020	ng/g	☼	04/30/18 11:50	05/09/18 08:12	1
PCB-202	0.13		0.0099	0.0022	ng/g	☼	04/30/18 11:50	05/09/18 08:12	1
PCB-203	0.49		0.0099	0.0025	ng/g	☼	04/30/18 11:50	05/09/18 08:12	1
PCB-204	0.0024	J q	0.0099	0.0020	ng/g	☼	04/30/18 11:50	05/09/18 08:12	1
PCB-205	0.061		0.0099	0.0036	ng/g	☼	04/30/18 11:50	05/09/18 08:12	1
PCB-206	0.84		0.0099	0.0061	ng/g	☼	04/30/18 11:50	05/09/18 08:12	1
PCB-207	0.080		0.0099	0.0037	ng/g	☼	04/30/18 11:50	05/09/18 08:12	1
PCB-208	0.14		0.0099	0.0038	ng/g	☼	04/30/18 11:50	05/09/18 08:12	1
PCB-209	0.81		0.0099	0.0025	ng/g	☼	04/30/18 11:50	05/09/18 08:12	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
PCB-1L	*82*		*30 - 140*	*04/30/18 11:50*	*05/09/18 08:12*	*1*
PCB-3L	*79*		*30 - 140*	*04/30/18 11:50*	*05/09/18 08:12*	*1*
PCB-4L	*78*		*30 - 140*	*04/30/18 11:50*	*05/09/18 08:12*	*1*
PCB-15L	*86*		*30 - 140*	*04/30/18 11:50*	*05/09/18 08:12*	*1*
PCB-19L	*75*		*30 - 140*	*04/30/18 11:50*	*05/09/18 08:12*	*1*
PCB-37L	*86*		*30 - 140*	*04/30/18 11:50*	*05/09/18 08:12*	*1*
PCB-54L	*104*		*30 - 140*	*04/30/18 11:50*	*05/09/18 08:12*	*1*
PCB-77L	*90*		*30 - 140*	*04/30/18 11:50*	*05/09/18 08:12*	*1*
PCB-81L	*89*		*30 - 140*	*04/30/18 11:50*	*05/09/18 08:12*	*1*
PCB-104L	*86*		*30 - 140*	*04/30/18 11:50*	*05/09/18 08:12*	*1*
PCB-105L	*83*		*30 - 140*	*04/30/18 11:50*	*05/09/18 08:12*	*1*
PCB-114L	*79*		*30 - 140*	*04/30/18 11:50*	*05/09/18 08:12*	*1*
PCB-118L	*85*		*30 - 140*	*04/30/18 11:50*	*05/09/18 08:12*	*1*
PCB-123L	*83*		*30 - 140*	*04/30/18 11:50*	*05/09/18 08:12*	*1*
PCB-126L	*85*		*30 - 140*	*04/30/18 11:50*	*05/09/18 08:12*	*1*
PCB-155L	*101*		*30 - 140*	*04/30/18 11:50*	*05/09/18 08:12*	*1*
PCB-156L	*80*	*C*	*30 - 140*	*04/30/18 11:50*	*05/09/18 08:12*	*1*
PCB-157L	*80*	*C156*	*30 - 140*	*04/30/18 11:50*	*05/09/18 08:12*	*1*
PCB-167L	*82*		*30 - 140*	*04/30/18 11:50*	*05/09/18 08:12*	*1*
PCB-169L	*80*		*30 - 140*	*04/30/18 11:50*	*05/09/18 08:12*	*1*
PCB-170L	*78*		*30 - 140*	*04/30/18 11:50*	*05/09/18 08:12*	*1*
PCB-188L	*86*		*30 - 140*	*04/30/18 11:50*	*05/09/18 08:12*	*1*
PCB-189L	*105*		*30 - 140*	*04/30/18 11:50*	*05/09/18 08:12*	*1*
PCB-202L	*92*		*30 - 140*	*04/30/18 11:50*	*05/09/18 08:12*	*1*
PCB-205L	*79*		*30 - 140*	*04/30/18 11:50*	*05/09/18 08:12*	*1*
PCB-206L	*63*		*30 - 140*	*04/30/18 11:50*	*05/09/18 08:12*	*1*
PCB-208L	*73*		*30 - 140*	*04/30/18 11:50*	*05/09/18 08:12*	*1*
PCB-209L	*58*		*30 - 140*	*04/30/18 11:50*	*05/09/18 08:12*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
PCB-28L	*79*		*40 - 125*	*04/30/18 11:50*	*05/09/18 08:12*	*1*
PCB-111L	*89*		*40 - 125*	*04/30/18 11:50*	*05/09/18 08:12*	*1*
PCB-178L	*89*		*40 - 125*	*04/30/18 11:50*	*05/09/18 08:12*	*1*

Client Sample ID: PDI-SG-B218-BL1
Date Collected: 04/19/18 14:20
Date Received: 04/20/18 13:00

Lab Sample ID: 580-76755-17
Matrix: Solid
Percent Solids: 43.0

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1	0.012	J B q	0.056	0.0016	ng/g	☼	04/30/18 11:50	05/09/18 18:34	5
PCB-2	0.022	J B	0.056	0.0018	ng/g	☼	04/30/18 11:50	05/09/18 18:34	5
PCB-3	0.024	J	0.056	0.0022	ng/g	☼	04/30/18 11:50	05/09/18 18:34	5
PCB-4	0.018	J q	0.11	0.0031	ng/g	☼	04/30/18 11:50	05/09/18 18:34	5
PCB-5	ND		0.056	0.0023	ng/g	☼	04/30/18 11:50	05/09/18 18:34	5
PCB-6	0.018	J q	0.056	0.0023	ng/g	☼	04/30/18 11:50	05/09/18 18:34	5
PCB-7	0.0055	J	0.056	0.0022	ng/g	☼	04/30/18 11:50	05/09/18 18:34	5
PCB-8	0.062	J B	0.11	0.0023	ng/g	☼	04/30/18 11:50	05/09/18 18:34	5
PCB-9	0.0068	J B q	0.056	0.0026	ng/g	☼	04/30/18 11:50	05/09/18 18:34	5
PCB-10	ND		0.056	0.0025	ng/g	☼	04/30/18 11:50	05/09/18 18:34	5
PCB-11	0.058	J B q	0.11	0.0021	ng/g	☼	04/30/18 11:50	05/09/18 18:34	5
PCB-12	0.013	J C q	0.11	0.0021	ng/g	☼	04/30/18 11:50	05/09/18 18:34	5
PCB-13	0.013	J C12 q	0.11	0.0021	ng/g	☼	04/30/18 11:50	05/09/18 18:34	5
PCB-14	ND		0.056	0.0020	ng/g	☼	04/30/18 11:50	05/09/18 18:34	5
PCB-15	0.048	J	0.056	0.0025	ng/g	☼	04/30/18 11:50	05/09/18 18:34	5
PCB-16	0.077		0.056	0.0012	ng/g	☼	04/30/18 11:50	05/09/18 18:34	5
PCB-17	0.098		0.056	0.00090	ng/g	☼	04/30/18 11:50	05/09/18 18:34	5
PCB-18	0.20	C	0.11	0.00079	ng/g	☼	04/30/18 11:50	05/09/18 18:34	5
PCB-19	0.0049	J q	0.056	0.0011	ng/g	☼	04/30/18 11:50	05/09/18 18:34	5
PCB-20	0.62	C B	0.11	0.0063	ng/g	☼	04/30/18 11:50	05/09/18 18:34	5
PCB-21	0.18	C B	0.11	0.0059	ng/g	☼	04/30/18 11:50	05/09/18 18:34	5
PCB-22	0.15	B	0.056	0.0064	ng/g	☼	04/30/18 11:50	05/09/18 18:34	5
PCB-23	ND		0.056	0.0063	ng/g	☼	04/30/18 11:50	05/09/18 18:34	5
PCB-24	ND		0.056	0.00068	ng/g	☼	04/30/18 11:50	05/09/18 18:34	5
PCB-25	0.056		0.056	0.0060	ng/g	☼	04/30/18 11:50	05/09/18 18:34	5
PCB-26	0.078	J C	0.11	0.0063	ng/g	☼	04/30/18 11:50	05/09/18 18:34	5
PCB-27	0.019	J	0.056	0.00068	ng/g	☼	04/30/18 11:50	05/09/18 18:34	5
PCB-28	0.62	B C20	0.11	0.0063	ng/g	☼	04/30/18 11:50	05/09/18 18:34	5
PCB-29	0.078	J C26	0.11	0.0063	ng/g	☼	04/30/18 11:50	05/09/18 18:34	5
PCB-30	0.20	C18	0.11	0.00079	ng/g	☼	04/30/18 11:50	05/09/18 18:34	5
PCB-31	0.44	B	0.11	0.0058	ng/g	☼	04/30/18 11:50	05/09/18 18:34	5
PCB-32	0.041	J S q	0.056	0.00062	ng/g	☼	04/30/18 11:50	05/09/18 18:34	5
PCB-33	0.18	B C21	0.11	0.0059	ng/g	☼	04/30/18 11:50	05/09/18 18:34	5
PCB-34	ND		0.056	0.0065	ng/g	☼	04/30/18 11:50	05/09/18 18:34	5
PCB-35	0.013	J	0.056	0.0062	ng/g	☼	04/30/18 11:50	05/09/18 18:34	5
PCB-36	ND		0.056	0.0057	ng/g	☼	04/30/18 11:50	05/09/18 18:34	5
PCB-37	0.14	B	0.056	0.0059	ng/g	☼	04/30/18 11:50	05/09/18 18:34	5
PCB-38	ND		0.056	0.0062	ng/g	☼	04/30/18 11:50	05/09/18 18:34	5
PCB-39	0.0059	J	0.056	0.0056	ng/g	☼	04/30/18 11:50	05/09/18 18:34	5
PCB-40	0.60	C	0.17	0.0063	ng/g	☼	04/30/18 11:50	05/09/18 18:34	5
PCB-41	0.60	C40	0.17	0.0063	ng/g	☼	04/30/18 11:50	05/09/18 18:34	5
PCB-42	0.30		0.056	0.0064	ng/g	☼	04/30/18 11:50	05/09/18 18:34	5
PCB-43	0.042	J C	0.11	0.0057	ng/g	☼	04/30/18 11:50	05/09/18 18:34	5
PCB-44	1.1	C B	0.17	0.0057	ng/g	☼	04/30/18 11:50	05/09/18 18:34	5
PCB-45	0.20	C	0.11	0.0067	ng/g	☼	04/30/18 11:50	05/09/18 18:34	5
PCB-46	0.069		0.056	0.0078	ng/g	☼	04/30/18 11:50	05/09/18 18:34	5
PCB-47	1.1	B C44	0.17	0.0057	ng/g	☼	04/30/18 11:50	05/09/18 18:34	5
PCB-48	0.18		0.056	0.0061	ng/g	☼	04/30/18 11:50	05/09/18 18:34	5
PCB-49	0.65	C B	0.11	0.0051	ng/g	☼	04/30/18 11:50	05/09/18 18:34	5

Client Sample ID: PDI-SG-B218-BL1
Date Collected: 04/19/18 14:20
Date Received: 04/20/18 13:00

Lab Sample ID: 580-76755-17
Matrix: Solid
Percent Solids: 43.0

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-50	0.13	C	0.11	0.0064	ng/g	☼	04/30/18 11:50	05/09/18 18:34	5
PCB-51	0.20	C45	0.11	0.0067	ng/g	☼	04/30/18 11:50	05/09/18 18:34	5
PCB-52	1.2	B	0.056	0.0067	ng/g	☼	04/30/18 11:50	05/09/18 18:34	5
PCB-53	0.13	C50	0.11	0.0064	ng/g	☼	04/30/18 11:50	05/09/18 18:34	5
PCB-54	0.0011	J q	0.056	0.00044	ng/g	☼	04/30/18 11:50	05/09/18 18:34	5
PCB-55	0.012	J q	0.056	0.0043	ng/g	☼	04/30/18 11:50	05/09/18 18:34	5
PCB-56	0.59	B	0.056	0.0044	ng/g	☼	04/30/18 11:50	05/09/18 18:34	5
PCB-57	ND		0.056	0.0044	ng/g	☼	04/30/18 11:50	05/09/18 18:34	5
PCB-58	0.012	J	0.056	0.0043	ng/g	☼	04/30/18 11:50	05/09/18 18:34	5
PCB-59	0.091	J C	0.17	0.0043	ng/g	☼	04/30/18 11:50	05/09/18 18:34	5
PCB-60	0.24	q	0.056	0.0043	ng/g	☼	04/30/18 11:50	05/09/18 18:34	5
PCB-61	1.7	C B	0.23	0.0042	ng/g	☼	04/30/18 11:50	05/09/18 18:34	5
PCB-62	0.091	J C59	0.17	0.0043	ng/g	☼	04/30/18 11:50	05/09/18 18:34	5
PCB-63	0.048	J	0.056	0.0038	ng/g	☼	04/30/18 11:50	05/09/18 18:34	5
PCB-64	0.47		0.056	0.0040	ng/g	☼	04/30/18 11:50	05/09/18 18:34	5
PCB-65	1.1	B C44	0.17	0.0057	ng/g	☼	04/30/18 11:50	05/09/18 18:34	5
PCB-66	1.3		0.056	0.0042	ng/g	☼	04/30/18 11:50	05/09/18 18:34	5
PCB-67	0.027	J q	0.056	0.0041	ng/g	☼	04/30/18 11:50	05/09/18 18:34	5
PCB-68	0.016	J	0.056	0.0038	ng/g	☼	04/30/18 11:50	05/09/18 18:34	5
PCB-69	0.65	B C49	0.11	0.0051	ng/g	☼	04/30/18 11:50	05/09/18 18:34	5
PCB-70	1.7	C61 B	0.23	0.0042	ng/g	☼	04/30/18 11:50	05/09/18 18:34	5
PCB-71	0.60	C40	0.17	0.0063	ng/g	☼	04/30/18 11:50	05/09/18 18:34	5
PCB-72	0.0091	J q	0.056	0.0043	ng/g	☼	04/30/18 11:50	05/09/18 18:34	5
PCB-73	0.042	J C43	0.11	0.0057	ng/g	☼	04/30/18 11:50	05/09/18 18:34	5
PCB-74	1.7	C61 B	0.23	0.0042	ng/g	☼	04/30/18 11:50	05/09/18 18:34	5
PCB-75	0.091	J C59	0.17	0.0043	ng/g	☼	04/30/18 11:50	05/09/18 18:34	5
PCB-76	1.7	C61 B	0.23	0.0042	ng/g	☼	04/30/18 11:50	05/09/18 18:34	5
PCB-77	0.11		0.056	0.0038	ng/g	☼	04/30/18 11:50	05/09/18 18:34	5
PCB-78	ND		0.056	0.0043	ng/g	☼	04/30/18 11:50	05/09/18 18:34	5
PCB-79	0.011	J	0.056	0.0036	ng/g	☼	04/30/18 11:50	05/09/18 18:34	5
PCB-80	ND		0.056	0.0038	ng/g	☼	04/30/18 11:50	05/09/18 18:34	5
PCB-81	ND		0.056	0.0043	ng/g	☼	04/30/18 11:50	05/09/18 18:34	5
PCB-82	0.19		0.056	0.0036	ng/g	☼	04/30/18 11:50	05/09/18 18:34	5
PCB-83	0.75	C	0.11	0.0034	ng/g	☼	04/30/18 11:50	05/09/18 18:34	5
PCB-84	0.33		0.056	0.0037	ng/g	☼	04/30/18 11:50	05/09/18 18:34	5
PCB-85	0.26	C	0.17	0.0026	ng/g	☼	04/30/18 11:50	05/09/18 18:34	5
PCB-86	0.76	C B	0.34	0.0027	ng/g	☼	04/30/18 11:50	05/09/18 18:34	5
PCB-87	0.76	B C86	0.34	0.0027	ng/g	☼	04/30/18 11:50	05/09/18 18:34	5
PCB-88	0.16	C q	0.11	0.0032	ng/g	☼	04/30/18 11:50	05/09/18 18:34	5
PCB-89	ND		0.056	0.0035	ng/g	☼	04/30/18 11:50	05/09/18 18:34	5
PCB-90	1.1	C	0.17	0.0028	ng/g	☼	04/30/18 11:50	05/09/18 18:34	5
PCB-91	0.16	C88 q	0.11	0.0032	ng/g	☼	04/30/18 11:50	05/09/18 18:34	5
PCB-92	0.21		0.056	0.0033	ng/g	☼	04/30/18 11:50	05/09/18 18:34	5
PCB-93	0.043	J C	0.11	0.0033	ng/g	☼	04/30/18 11:50	05/09/18 18:34	5
PCB-94	0.010	J	0.056	0.0035	ng/g	☼	04/30/18 11:50	05/09/18 18:34	5
PCB-95	0.85	B	0.056	0.0034	ng/g	☼	04/30/18 11:50	05/09/18 18:34	5
PCB-96	0.014	J	0.056	0.0026	ng/g	☼	04/30/18 11:50	05/09/18 18:34	5
PCB-97	0.76	B C86	0.34	0.0027	ng/g	☼	04/30/18 11:50	05/09/18 18:34	5
PCB-98	0.056	J C	0.11	0.0033	ng/g	☼	04/30/18 11:50	05/09/18 18:34	5

Client Sample ID: PDI-SG-B218-BL1
Date Collected: 04/19/18 14:20
Date Received: 04/20/18 13:00

Lab Sample ID: 580-76755-17
Matrix: Solid
Percent Solids: 43.0

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-99	0.75	C83	0.11	0.0034	ng/g	☼	04/30/18 11:50	05/09/18 18:34	5
PCB-100	0.043	J C93	0.11	0.0033	ng/g	☼	04/30/18 11:50	05/09/18 18:34	5
PCB-101	1.1	C90	0.17	0.0028	ng/g	☼	04/30/18 11:50	05/09/18 18:34	5
PCB-102	0.056	J C98	0.11	0.0033	ng/g	☼	04/30/18 11:50	05/09/18 18:34	5
PCB-103	ND		0.056	0.0030	ng/g	☼	04/30/18 11:50	05/09/18 18:34	5
PCB-104	ND		0.056	0.0024	ng/g	☼	04/30/18 11:50	05/09/18 18:34	5
PCB-105	0.44		0.056	0.0064	ng/g	☼	04/30/18 11:50	05/09/18 18:34	5
PCB-106	ND		0.056	0.0066	ng/g	☼	04/30/18 11:50	05/09/18 18:34	5
PCB-107	0.086	q	0.056	0.0064	ng/g	☼	04/30/18 11:50	05/09/18 18:34	5
PCB-108	0.030	J C q	0.11	0.0066	ng/g	☼	04/30/18 11:50	05/09/18 18:34	5
PCB-109	0.76	B C86	0.34	0.0027	ng/g	☼	04/30/18 11:50	05/09/18 18:34	5
PCB-110	1.1	C B q	0.11	0.0023	ng/g	☼	04/30/18 11:50	05/09/18 18:34	5
PCB-111	ND		0.056	0.0021	ng/g	☼	04/30/18 11:50	05/09/18 18:34	5
PCB-112	ND		0.056	0.0023	ng/g	☼	04/30/18 11:50	05/09/18 18:34	5
PCB-113	1.1	C90	0.17	0.0028	ng/g	☼	04/30/18 11:50	05/09/18 18:34	5
PCB-114	0.021	J q	0.056	0.0061	ng/g	☼	04/30/18 11:50	05/09/18 18:34	5
PCB-115	1.1	B C110 q	0.11	0.0023	ng/g	☼	04/30/18 11:50	05/09/18 18:34	5
PCB-116	0.26	C85	0.17	0.0026	ng/g	☼	04/30/18 11:50	05/09/18 18:34	5
PCB-117	0.26	C85	0.17	0.0026	ng/g	☼	04/30/18 11:50	05/09/18 18:34	5
PCB-118	0.85		0.056	0.0057	ng/g	☼	04/30/18 11:50	05/09/18 18:34	5
PCB-119	0.76	B C86	0.34	0.0027	ng/g	☼	04/30/18 11:50	05/09/18 18:34	5
PCB-120	ND		0.056	0.0021	ng/g	☼	04/30/18 11:50	05/09/18 18:34	5
PCB-121	ND		0.056	0.0023	ng/g	☼	04/30/18 11:50	05/09/18 18:34	5
PCB-122	ND		0.056	0.0073	ng/g	☼	04/30/18 11:50	05/09/18 18:34	5
PCB-123	0.013	J q	0.056	0.0059	ng/g	☼	04/30/18 11:50	05/09/18 18:34	5
PCB-124	0.030	J q C108	0.11	0.0066	ng/g	☼	04/30/18 11:50	05/09/18 18:34	5
PCB-125	0.76	B C86	0.34	0.0027	ng/g	☼	04/30/18 11:50	05/09/18 18:34	5
PCB-126	ND		0.056	0.0064	ng/g	☼	04/30/18 11:50	05/09/18 18:34	5
PCB-127	ND		0.056	0.0063	ng/g	☼	04/30/18 11:50	05/09/18 18:34	5
PCB-128	0.20	C	0.11	0.016	ng/g	☼	04/30/18 11:50	05/09/18 18:34	5
PCB-129	1.5	C B	0.23	0.016	ng/g	☼	04/30/18 11:50	05/09/18 18:34	5
PCB-130	0.092		0.056	0.022	ng/g	☼	04/30/18 11:50	05/09/18 18:34	5
PCB-131	ND		0.056	0.022	ng/g	☼	04/30/18 11:50	05/09/18 18:34	5
PCB-132	0.44		0.056	0.021	ng/g	☼	04/30/18 11:50	05/09/18 18:34	5
PCB-133	ND		0.056	0.020	ng/g	☼	04/30/18 11:50	05/09/18 18:34	5
PCB-134	0.067	J C	0.11	0.021	ng/g	☼	04/30/18 11:50	05/09/18 18:34	5
PCB-135	0.64	C	0.11	0.0011	ng/g	☼	04/30/18 11:50	05/09/18 18:34	5
PCB-136	0.21		0.056	0.00077	ng/g	☼	04/30/18 11:50	05/09/18 18:34	5
PCB-137	0.050	J q	0.056	0.018	ng/g	☼	04/30/18 11:50	05/09/18 18:34	5
PCB-138	1.5	B C129	0.23	0.016	ng/g	☼	04/30/18 11:50	05/09/18 18:34	5
PCB-139	ND	C	0.11	0.018	ng/g	☼	04/30/18 11:50	05/09/18 18:34	5
PCB-140	ND	C139	0.11	0.018	ng/g	☼	04/30/18 11:50	05/09/18 18:34	5
PCB-141	0.37		0.056	0.019	ng/g	☼	04/30/18 11:50	05/09/18 18:34	5
PCB-142	ND		0.056	0.020	ng/g	☼	04/30/18 11:50	05/09/18 18:34	5
PCB-143	0.067	J C134	0.11	0.021	ng/g	☼	04/30/18 11:50	05/09/18 18:34	5
PCB-144	0.075		0.056	0.0010	ng/g	☼	04/30/18 11:50	05/09/18 18:34	5
PCB-145	ND		0.056	0.00077	ng/g	☼	04/30/18 11:50	05/09/18 18:34	5
PCB-146	0.25	B	0.056	0.017	ng/g	☼	04/30/18 11:50	05/09/18 18:34	5
PCB-147	1.4	C B	0.11	0.018	ng/g	☼	04/30/18 11:50	05/09/18 18:34	5

Client Sample ID: PDI-SG-B218-BL1
Date Collected: 04/19/18 14:20
Date Received: 04/20/18 13:00

Lab Sample ID: 580-76755-17
Matrix: Solid
Percent Solids: 43.0

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-148	ND		0.056	0.0010	ng/g	☼	04/30/18 11:50	05/09/18 18:34	5
PCB-149	**1.4**	**B C147**	0.11	0.018	ng/g	☼	04/30/18 11:50	05/09/18 18:34	5
PCB-150	ND		0.056	0.00069	ng/g	☼	04/30/18 11:50	05/09/18 18:34	5
PCB-151	**0.64**	**C135**	0.11	0.0011	ng/g	☼	04/30/18 11:50	05/09/18 18:34	5
PCB-152	ND		0.056	0.00074	ng/g	☼	04/30/18 11:50	05/09/18 18:34	5
PCB-153	**1.6**	**C B**	0.11	0.014	ng/g	☼	04/30/18 11:50	05/09/18 18:34	5
PCB-154	**0.026**	**J q**	0.056	0.00089	ng/g	☼	04/30/18 11:50	05/09/18 18:34	5
PCB-155	ND		0.056	0.00071	ng/g	☼	04/30/18 11:50	05/09/18 18:34	5
PCB-156	**0.12**	**C S**	0.11	0.018	ng/g	☼	04/30/18 11:50	05/09/18 18:34	5
PCB-157	**0.12**	**S C156**	0.11	0.018	ng/g	☼	04/30/18 11:50	05/09/18 18:34	5
PCB-158	**0.14**		0.056	0.013	ng/g	☼	04/30/18 11:50	05/09/18 18:34	5
PCB-159	**0.032**	**J q**	0.056	0.013	ng/g	☼	04/30/18 11:50	05/09/18 18:34	5
PCB-160	**1.5**	**B C129**	0.23	0.016	ng/g	☼	04/30/18 11:50	05/09/18 18:34	5
PCB-161	ND		0.056	0.013	ng/g	☼	04/30/18 11:50	05/09/18 18:34	5
PCB-162	ND		0.056	0.013	ng/g	☼	04/30/18 11:50	05/09/18 18:34	5
PCB-163	**1.5**	**B C129**	0.23	0.016	ng/g	☼	04/30/18 11:50	05/09/18 18:34	5
PCB-164	**0.10**		0.056	0.014	ng/g	☼	04/30/18 11:50	05/09/18 18:34	5
PCB-165	ND		0.056	0.015	ng/g	☼	04/30/18 11:50	05/09/18 18:34	5
PCB-166	**0.20**	**C128**	0.11	0.016	ng/g	☼	04/30/18 11:50	05/09/18 18:34	5
PCB-167	**0.043**	**J**	0.056	0.0098	ng/g	☼	04/30/18 11:50	05/09/18 18:34	5
PCB-168	**1.6**	**B C153**	0.11	0.014	ng/g	☼	04/30/18 11:50	05/09/18 18:34	5
PCB-169	ND		0.056	0.0093	ng/g	☼	04/30/18 11:50	05/09/18 18:34	5
PCB-170	**0.79**		0.056	0.0016	ng/g	☼	04/30/18 11:50	05/09/18 18:34	5
PCB-171	**0.28**	**C**	0.11	0.0015	ng/g	☼	04/30/18 11:50	05/09/18 18:34	5
PCB-172	**0.17**		0.056	0.0015	ng/g	☼	04/30/18 11:50	05/09/18 18:34	5
PCB-173	**0.28**	**C171**	0.11	0.0015	ng/g	☼	04/30/18 11:50	05/09/18 18:34	5
PCB-174	**1.1**		0.056	0.0016	ng/g	☼	04/30/18 11:50	05/09/18 18:34	5
PCB-175	**0.047**	**J**	0.056	0.0014	ng/g	☼	04/30/18 11:50	05/09/18 18:34	5
PCB-176	**0.14**		0.056	0.00098	ng/g	☼	04/30/18 11:50	05/09/18 18:34	5
PCB-177	**0.60**		0.056	0.0016	ng/g	☼	04/30/18 11:50	05/09/18 18:34	5
PCB-178	**0.25**		0.056	0.0015	ng/g	☼	04/30/18 11:50	05/09/18 18:34	5
PCB-179	**0.49**		0.056	0.0011	ng/g	☼	04/30/18 11:50	05/09/18 18:34	5
PCB-180	**2.1**	**C**	0.11	0.0011	ng/g	☼	04/30/18 11:50	05/09/18 18:34	5
PCB-181	**0.14**		0.056	0.0013	ng/g	☼	04/30/18 11:50	05/09/18 18:34	5
PCB-182	ND		0.056	0.0013	ng/g	☼	04/30/18 11:50	05/09/18 18:34	5
PCB-183	**0.72**	**C**	0.11	0.0013	ng/g	☼	04/30/18 11:50	05/09/18 18:34	5
PCB-184	ND		0.056	0.0011	ng/g	☼	04/30/18 11:50	05/09/18 18:34	5
PCB-185	**0.72**	**C183**	0.11	0.0013	ng/g	☼	04/30/18 11:50	05/09/18 18:34	5
PCB-186	ND		0.056	0.0010	ng/g	☼	04/30/18 11:50	05/09/18 18:34	5
PCB-187	**1.4**		0.056	0.0013	ng/g	☼	04/30/18 11:50	05/09/18 18:34	5
PCB-188	ND		0.056	0.00095	ng/g	☼	04/30/18 11:50	05/09/18 18:34	5
PCB-189	**0.024**	**J q**	0.056	0.0055	ng/g	☼	04/30/18 11:50	05/09/18 18:34	5
PCB-190	**0.21**		0.056	0.00099	ng/g	☼	04/30/18 11:50	05/09/18 18:34	5
PCB-191	**0.031**	**J q**	0.056	0.0010	ng/g	☼	04/30/18 11:50	05/09/18 18:34	5
PCB-192	ND		0.056	0.0011	ng/g	☼	04/30/18 11:50	05/09/18 18:34	5
PCB-193	**2.1**	**C180**	0.11	0.0011	ng/g	☼	04/30/18 11:50	05/09/18 18:34	5
PCB-194	**0.76**		0.056	0.011	ng/g	☼	04/30/18 11:50	05/09/18 18:34	5
PCB-195	**0.41**		0.056	0.013	ng/g	☼	04/30/18 11:50	05/09/18 18:34	5
PCB-196	**0.37**	**q**	0.056	0.0059	ng/g	☼	04/30/18 11:50	05/09/18 18:34	5

Client Sample ID: PDI-SG-B218-BL1
Date Collected: 04/19/18 14:20
Date Received: 04/20/18 13:00

Lab Sample ID: 580-76755-17
Matrix: Solid
Percent Solids: 43.0

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-197	**0.041**	**J**	0.056	0.0041	ng/g	☼	04/30/18 11:50	05/09/18 18:34	5
PCB-198	**0.98**	**C B**	0.11	0.0062	ng/g	☼	04/30/18 11:50	05/09/18 18:34	5
PCB-199	**0.98**	**C198 B**	0.11	0.0062	ng/g	☼	04/30/18 11:50	05/09/18 18:34	5
PCB-200	**0.14**		0.056	0.0045	ng/g	☼	04/30/18 11:50	05/09/18 18:34	5
PCB-201	**0.10**	**q**	0.056	0.0043	ng/g	☼	04/30/18 11:50	05/09/18 18:34	5
PCB-202	**0.21**		0.056	0.0049	ng/g	☼	04/30/18 11:50	05/09/18 18:34	5
PCB-203	**0.66**		0.056	0.0055	ng/g	☼	04/30/18 11:50	05/09/18 18:34	5
PCB-204	ND		0.056	0.0044	ng/g	☼	04/30/18 11:50	05/09/18 18:34	5
PCB-205	**0.089**		0.056	0.0086	ng/g	☼	04/30/18 11:50	05/09/18 18:34	5
PCB-206	**0.56**		0.056	0.013	ng/g	☼	04/30/18 11:50	05/09/18 18:34	5
PCB-207	**0.13**		0.056	0.0085	ng/g	☼	04/30/18 11:50	05/09/18 18:34	5
PCB-208	**0.16**		0.056	0.0090	ng/g	☼	04/30/18 11:50	05/09/18 18:34	5
PCB-209	**0.46**		0.056	0.0037	ng/g	☼	04/30/18 11:50	05/09/18 18:34	5

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
PCB-1L	*77*		*30 - 140*	*04/30/18 11:50*	*05/09/18 18:34*	*5*
PCB-3L	*76*		*30 - 140*	*04/30/18 11:50*	*05/09/18 18:34*	*5*
PCB-4L	*74*		*30 - 140*	*04/30/18 11:50*	*05/09/18 18:34*	*5*
PCB-15L	*85*		*30 - 140*	*04/30/18 11:50*	*05/09/18 18:34*	*5*
PCB-19L	*142*	*	*30 - 140*	*04/30/18 11:50*	*05/09/18 18:34*	*5*
PCB-37L	*84*		*30 - 140*	*04/30/18 11:50*	*05/09/18 18:34*	*5*
PCB-54L	*181*	*	*30 - 140*	*04/30/18 11:50*	*05/09/18 18:34*	*5*
PCB-77L	*92*		*30 - 140*	*04/30/18 11:50*	*05/09/18 18:34*	*5*
PCB-81L	*92*		*30 - 140*	*04/30/18 11:50*	*05/09/18 18:34*	*5*
PCB-104L	*81*		*30 - 140*	*04/30/18 11:50*	*05/09/18 18:34*	*5*
PCB-105L	*85*		*30 - 140*	*04/30/18 11:50*	*05/09/18 18:34*	*5*
PCB-114L	*82*		*30 - 140*	*04/30/18 11:50*	*05/09/18 18:34*	*5*
PCB-118L	*87*		*30 - 140*	*04/30/18 11:50*	*05/09/18 18:34*	*5*
PCB-123L	*85*		*30 - 140*	*04/30/18 11:50*	*05/09/18 18:34*	*5*
PCB-126L	*82*		*30 - 140*	*04/30/18 11:50*	*05/09/18 18:34*	*5*
PCB-155L	*98*		*30 - 140*	*04/30/18 11:50*	*05/09/18 18:34*	*5*
PCB-156L	*74*	*C S*	*30 - 140*	*04/30/18 11:50*	*05/09/18 18:34*	*5*
PCB-157L	*74*	*S C156*	*30 - 140*	*04/30/18 11:50*	*05/09/18 18:34*	*5*
PCB-167L	*82*		*30 - 140*	*04/30/18 11:50*	*05/09/18 18:34*	*5*
PCB-169L	*84*		*30 - 140*	*04/30/18 11:50*	*05/09/18 18:34*	*5*
PCB-170L	*79*		*30 - 140*	*04/30/18 11:50*	*05/09/18 18:34*	*5*
PCB-188L	*85*		*30 - 140*	*04/30/18 11:50*	*05/09/18 18:34*	*5*
PCB-189L	*99*		*30 - 140*	*04/30/18 11:50*	*05/09/18 18:34*	*5*
PCB-202L	*88*		*30 - 140*	*04/30/18 11:50*	*05/09/18 18:34*	*5*
PCB-205L	*74*		*30 - 140*	*04/30/18 11:50*	*05/09/18 18:34*	*5*
PCB-206L	*65*		*30 - 140*	*04/30/18 11:50*	*05/09/18 18:34*	*5*
PCB-208L	*71*		*30 - 140*	*04/30/18 11:50*	*05/09/18 18:34*	*5*
PCB-209L	*59*		*30 - 140*	*04/30/18 11:50*	*05/09/18 18:34*	*5*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
PCB-28L	*77*		*40 - 125*	*04/30/18 11:50*	*05/09/18 18:34*	*5*
PCB-111L	*83*		*40 - 125*	*04/30/18 11:50*	*05/09/18 18:34*	*5*
PCB-178L	*85*		*40 - 125*	*04/30/18 11:50*	*05/09/18 18:34*	*5*

Client Sample ID: PDI-SG-B219-BL1
Date Collected: 04/19/18 15:10
Date Received: 04/20/18 13:00

Lab Sample ID: 580-76755-18
Matrix: Solid
Percent Solids: 50.0

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1	0.033	J q B	0.049	0.0015	ng/g	☼	04/30/18 11:50	05/09/18 10:20	1
PCB-2	0.036	J q B	0.049	0.0016	ng/g	☼	04/30/18 11:50	05/09/18 10:20	1
PCB-3	0.074		0.049	0.0019	ng/g	☼	04/30/18 11:50	05/09/18 10:20	1
PCB-4	0.061	J	0.099	0.0060	ng/g	☼	04/30/18 11:50	05/09/18 10:20	1
PCB-5	0.013	J	0.049	0.0042	ng/g	☼	04/30/18 11:50	05/09/18 10:20	1
PCB-6	0.031	J	0.049	0.0041	ng/g	☼	04/30/18 11:50	05/09/18 10:20	1
PCB-7	ND		0.049	0.0039	ng/g	☼	04/30/18 11:50	05/09/18 10:20	1
PCB-8	0.11	B	0.099	0.0040	ng/g	☼	04/30/18 11:50	05/09/18 10:20	1
PCB-9	ND		0.049	0.0046	ng/g	☼	04/30/18 11:50	05/09/18 10:20	1
PCB-10	ND		0.049	0.0045	ng/g	☼	04/30/18 11:50	05/09/18 10:20	1
PCB-11	0.060	J q B	0.099	0.0038	ng/g	☼	04/30/18 11:50	05/09/18 10:20	1
PCB-12	0.031	J q C	0.099	0.0038	ng/g	☼	04/30/18 11:50	05/09/18 10:20	1
PCB-13	0.031	J q C12	0.099	0.0038	ng/g	☼	04/30/18 11:50	05/09/18 10:20	1
PCB-14	ND		0.049	0.0035	ng/g	☼	04/30/18 11:50	05/09/18 10:20	1
PCB-15	0.12	q	0.049	0.0041	ng/g	☼	04/30/18 11:50	05/09/18 10:20	1
PCB-16	0.18	q	0.049	0.0070	ng/g	☼	04/30/18 11:50	05/09/18 10:20	1
PCB-17	0.16	q	0.049	0.0053	ng/g	☼	04/30/18 11:50	05/09/18 10:20	1
PCB-18	0.46	C	0.099	0.0047	ng/g	☼	04/30/18 11:50	05/09/18 10:20	1
PCB-19	0.052		0.049	0.0066	ng/g	☼	04/30/18 11:50	05/09/18 10:20	1
PCB-20	1.9	C B	0.099	0.011	ng/g	☼	04/30/18 11:50	05/09/18 10:20	1
PCB-21	0.46	C B	0.099	0.0099	ng/g	☼	04/30/18 11:50	05/09/18 10:20	1
PCB-22	0.48	B	0.049	0.011	ng/g	☼	04/30/18 11:50	05/09/18 10:20	1
PCB-23	ND		0.049	0.011	ng/g	☼	04/30/18 11:50	05/09/18 10:20	1
PCB-24	ND		0.049	0.0040	ng/g	☼	04/30/18 11:50	05/09/18 10:20	1
PCB-25	0.076	q	0.049	0.010	ng/g	☼	04/30/18 11:50	05/09/18 10:20	1
PCB-26	0.14	C	0.099	0.011	ng/g	☼	04/30/18 11:50	05/09/18 10:20	1
PCB-27	0.052		0.049	0.0040	ng/g	☼	04/30/18 11:50	05/09/18 10:20	1
PCB-28	1.9	C20 B	0.099	0.011	ng/g	☼	04/30/18 11:50	05/09/18 10:20	1
PCB-29	0.14	C26	0.099	0.011	ng/g	☼	04/30/18 11:50	05/09/18 10:20	1
PCB-30	0.46	C18	0.099	0.0047	ng/g	☼	04/30/18 11:50	05/09/18 10:20	1
PCB-31	0.98	B	0.099	0.0098	ng/g	☼	04/30/18 11:50	05/09/18 10:20	1
PCB-32	0.27		0.049	0.0037	ng/g	☼	04/30/18 11:50	05/09/18 10:20	1
PCB-33	0.46	C21 B	0.099	0.0099	ng/g	☼	04/30/18 11:50	05/09/18 10:20	1
PCB-34	0.015	J	0.049	0.011	ng/g	☼	04/30/18 11:50	05/09/18 10:20	1
PCB-35	ND		0.049	0.010	ng/g	☼	04/30/18 11:50	05/09/18 10:20	1
PCB-36	ND		0.049	0.0095	ng/g	☼	04/30/18 11:50	05/09/18 10:20	1
PCB-37	0.41	B	0.049	0.0098	ng/g	☼	04/30/18 11:50	05/09/18 10:20	1
PCB-38	ND		0.049	0.010	ng/g	☼	04/30/18 11:50	05/09/18 10:20	1
PCB-39	0.014	J q	0.049	0.0094	ng/g	☼	04/30/18 11:50	05/09/18 10:20	1
PCB-40	2.6	C	0.15	0.016	ng/g	☼	04/30/18 11:50	05/09/18 10:20	1
PCB-41	2.6	C40	0.15	0.016	ng/g	☼	04/30/18 11:50	05/09/18 10:20	1
PCB-42	1.2		0.049	0.016	ng/g	☼	04/30/18 11:50	05/09/18 10:20	1
PCB-43	0.18	C	0.099	0.014	ng/g	☼	04/30/18 11:50	05/09/18 10:20	1
PCB-44	4.3	C B	0.15	0.014	ng/g	☼	04/30/18 11:50	05/09/18 10:20	1
PCB-45	0.70	C	0.099	0.017	ng/g	☼	04/30/18 11:50	05/09/18 10:20	1
PCB-46	0.20		0.049	0.019	ng/g	☼	04/30/18 11:50	05/09/18 10:20	1
PCB-47	4.3	C44 B	0.15	0.014	ng/g	☼	04/30/18 11:50	05/09/18 10:20	1
PCB-48	0.70		0.049	0.015	ng/g	☼	04/30/18 11:50	05/09/18 10:20	1
PCB-49	2.4	C B	0.099	0.013	ng/g	☼	04/30/18 11:50	05/09/18 10:20	1

Client Sample ID: PDI-SG-B219-BL1
Date Collected: 04/19/18 15:10
Date Received: 04/20/18 13:00

Lab Sample ID: 580-76755-18
Matrix: Solid
Percent Solids: 50.0

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-50	0.50	C	0.099	0.016	ng/g	☼	04/30/18 11:50	05/09/18 10:20	1
PCB-51	0.70	C45	0.099	0.017	ng/g	☼	04/30/18 11:50	05/09/18 10:20	1
PCB-52	4.3	B	0.049	0.017	ng/g	☼	04/30/18 11:50	05/09/18 10:20	1
PCB-53	0.50	C50	0.099	0.016	ng/g	☼	04/30/18 11:50	05/09/18 10:20	1
PCB-54	ND		0.049	0.00099	ng/g	☼	04/30/18 11:50	05/09/18 10:20	1
PCB-55	0.17		0.049	0.011	ng/g	☼	04/30/18 11:50	05/09/18 10:20	1
PCB-56	2.6	B	0.049	0.011	ng/g	☼	04/30/18 11:50	05/09/18 10:20	1
PCB-57	ND		0.049	0.011	ng/g	☼	04/30/18 11:50	05/09/18 10:20	1
PCB-58	0.011	J	0.049	0.011	ng/g	☼	04/30/18 11:50	05/09/18 10:20	1
PCB-59	0.36	C	0.15	0.011	ng/g	☼	04/30/18 11:50	05/09/18 10:20	1
PCB-60	1.4		0.049	0.011	ng/g	☼	04/30/18 11:50	05/09/18 10:20	1
PCB-61	5.7	C B	0.20	0.010	ng/g	☼	04/30/18 11:50	05/09/18 10:20	1
PCB-62	0.36	C59	0.15	0.011	ng/g	☼	04/30/18 11:50	05/09/18 10:20	1
PCB-63	0.19		0.049	0.0095	ng/g	☼	04/30/18 11:50	05/09/18 10:20	1
PCB-64	1.9		0.049	0.010	ng/g	☼	04/30/18 11:50	05/09/18 10:20	1
PCB-65	4.3	C44 B	0.15	0.014	ng/g	☼	04/30/18 11:50	05/09/18 10:20	1
PCB-66	5.6		0.049	0.010	ng/g	☼	04/30/18 11:50	05/09/18 10:20	1
PCB-67	0.099		0.049	0.010	ng/g	☼	04/30/18 11:50	05/09/18 10:20	1
PCB-68	ND		0.049	0.0096	ng/g	☼	04/30/18 11:50	05/09/18 10:20	1
PCB-69	2.4	C49 B	0.099	0.013	ng/g	☼	04/30/18 11:50	05/09/18 10:20	1
PCB-70	5.7	C61 B	0.20	0.010	ng/g	☼	04/30/18 11:50	05/09/18 10:20	1
PCB-71	2.6	C40	0.15	0.016	ng/g	☼	04/30/18 11:50	05/09/18 10:20	1
PCB-72	ND		0.049	0.011	ng/g	☼	04/30/18 11:50	05/09/18 10:20	1
PCB-73	0.18	C43	0.099	0.014	ng/g	☼	04/30/18 11:50	05/09/18 10:20	1
PCB-74	5.7	C61 B	0.20	0.010	ng/g	☼	04/30/18 11:50	05/09/18 10:20	1
PCB-75	0.36	C59	0.15	0.011	ng/g	☼	04/30/18 11:50	05/09/18 10:20	1
PCB-76	5.7	C61 B	0.20	0.010	ng/g	☼	04/30/18 11:50	05/09/18 10:20	1
PCB-77	0.54		0.049	0.010	ng/g	☼	04/30/18 11:50	05/09/18 10:20	1
PCB-78	ND		0.049	0.011	ng/g	☼	04/30/18 11:50	05/09/18 10:20	1
PCB-79	ND		0.049	0.0091	ng/g	☼	04/30/18 11:50	05/09/18 10:20	1
PCB-80	ND		0.049	0.0094	ng/g	☼	04/30/18 11:50	05/09/18 10:20	1
PCB-81	ND		0.049	0.0098	ng/g	☼	04/30/18 11:50	05/09/18 10:20	1
PCB-82	0.85		0.049	0.013	ng/g	☼	04/30/18 11:50	05/09/18 10:20	1
PCB-83	2.9	C	0.099	0.013	ng/g	☼	04/30/18 11:50	05/09/18 10:20	1
PCB-84	1.1		0.049	0.014	ng/g	☼	04/30/18 11:50	05/09/18 10:20	1
PCB-85	1.1	C	0.15	0.0095	ng/g	☼	04/30/18 11:50	05/09/18 10:20	1
PCB-86	3.0	C B	0.30	0.010	ng/g	☼	04/30/18 11:50	05/09/18 10:20	1
PCB-87	3.0	C86 B	0.30	0.010	ng/g	☼	04/30/18 11:50	05/09/18 10:20	1
PCB-88	0.80	C	0.099	0.012	ng/g	☼	04/30/18 11:50	05/09/18 10:20	1
PCB-89	0.062	q	0.049	0.013	ng/g	☼	04/30/18 11:50	05/09/18 10:20	1
PCB-90	3.5	C	0.15	0.010	ng/g	☼	04/30/18 11:50	05/09/18 10:20	1
PCB-91	0.80	C88	0.099	0.012	ng/g	☼	04/30/18 11:50	05/09/18 10:20	1
PCB-92	0.64		0.049	0.012	ng/g	☼	04/30/18 11:50	05/09/18 10:20	1
PCB-93	0.053	J q C	0.099	0.012	ng/g	☼	04/30/18 11:50	05/09/18 10:20	1
PCB-94	0.051		0.049	0.013	ng/g	☼	04/30/18 11:50	05/09/18 10:20	1
PCB-95	2.6	B	0.049	0.013	ng/g	☼	04/30/18 11:50	05/09/18 10:20	1
PCB-96	0.034	J q	0.049	0.0097	ng/g	☼	04/30/18 11:50	05/09/18 10:20	1
PCB-97	3.0	C86 B	0.30	0.010	ng/g	☼	04/30/18 11:50	05/09/18 10:20	1
PCB-98	0.29	C	0.099	0.012	ng/g	☼	04/30/18 11:50	05/09/18 10:20	1

Client Sample ID: PDI-SG-B219-BL1
Date Collected: 04/19/18 15:10
Date Received: 04/20/18 13:00

Lab Sample ID: 580-76755-18
Matrix: Solid
Percent Solids: 50.0

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-99	2.9	C83	0.099	0.013	ng/g	☼	04/30/18 11:50	05/09/18 10:20	1
PCB-100	0.053	J q C93	0.099	0.012	ng/g	☼	04/30/18 11:50	05/09/18 10:20	1
PCB-101	3.5	C90	0.15	0.010	ng/g	☼	04/30/18 11:50	05/09/18 10:20	1
PCB-102	0.29	C98	0.099	0.012	ng/g	☼	04/30/18 11:50	05/09/18 10:20	1
PCB-103	0.027	J q	0.049	0.011	ng/g	☼	04/30/18 11:50	05/09/18 10:20	1
PCB-104	ND		0.049	0.0087	ng/g	☼	04/30/18 11:50	05/09/18 10:20	1
PCB-105	1.7		0.049	0.018	ng/g	☼	04/30/18 11:50	05/09/18 10:20	1
PCB-106	ND		0.049	0.019	ng/g	☼	04/30/18 11:50	05/09/18 10:20	1
PCB-107	0.26	q	0.049	0.018	ng/g	☼	04/30/18 11:50	05/09/18 10:20	1
PCB-108	0.12	q C	0.099	0.019	ng/g	☼	04/30/18 11:50	05/09/18 10:20	1
PCB-109	3.0	C86 B	0.30	0.010	ng/g	☼	04/30/18 11:50	05/09/18 10:20	1
PCB-110	3.9	C B	0.099	0.0083	ng/g	☼	04/30/18 11:50	05/09/18 10:20	1
PCB-111	ND		0.049	0.0078	ng/g	☼	04/30/18 11:50	05/09/18 10:20	1
PCB-112	ND		0.049	0.0085	ng/g	☼	04/30/18 11:50	05/09/18 10:20	1
PCB-113	3.5	C90	0.15	0.010	ng/g	☼	04/30/18 11:50	05/09/18 10:20	1
PCB-114	0.12		0.049	0.017	ng/g	☼	04/30/18 11:50	05/09/18 10:20	1
PCB-115	3.9	C110 B	0.099	0.0083	ng/g	☼	04/30/18 11:50	05/09/18 10:20	1
PCB-116	1.1	C85	0.15	0.0095	ng/g	☼	04/30/18 11:50	05/09/18 10:20	1
PCB-117	1.1	C85	0.15	0.0095	ng/g	☼	04/30/18 11:50	05/09/18 10:20	1
PCB-118	3.3		0.049	0.017	ng/g	☼	04/30/18 11:50	05/09/18 10:20	1
PCB-119	3.0	C86 B	0.30	0.010	ng/g	☼	04/30/18 11:50	05/09/18 10:20	1
PCB-120	ND		0.049	0.0077	ng/g	☼	04/30/18 11:50	05/09/18 10:20	1
PCB-121	ND		0.049	0.0083	ng/g	☼	04/30/18 11:50	05/09/18 10:20	1
PCB-122	0.071	q	0.049	0.021	ng/g	☼	04/30/18 11:50	05/09/18 10:20	1
PCB-123	0.093		0.049	0.017	ng/g	☼	04/30/18 11:50	05/09/18 10:20	1
PCB-124	0.12	q C108	0.099	0.019	ng/g	☼	04/30/18 11:50	05/09/18 10:20	1
PCB-125	3.0	C86 B	0.30	0.010	ng/g	☼	04/30/18 11:50	05/09/18 10:20	1
PCB-126	ND		0.049	0.017	ng/g	☼	04/30/18 11:50	05/09/18 10:20	1
PCB-127	ND		0.049	0.018	ng/g	☼	04/30/18 11:50	05/09/18 10:20	1
PCB-128	0.38	C	0.099	0.034	ng/g	☼	04/30/18 11:50	05/09/18 10:20	1
PCB-129	2.9	C B	0.20	0.034	ng/g	☼	04/30/18 11:50	05/09/18 10:20	1
PCB-130	0.17		0.049	0.046	ng/g	☼	04/30/18 11:50	05/09/18 10:20	1
PCB-131	ND		0.049	0.046	ng/g	☼	04/30/18 11:50	05/09/18 10:20	1
PCB-132	0.86		0.049	0.044	ng/g	☼	04/30/18 11:50	05/09/18 10:20	1
PCB-133	ND		0.049	0.043	ng/g	☼	04/30/18 11:50	05/09/18 10:20	1
PCB-134	0.11	C	0.099	0.045	ng/g	☼	04/30/18 11:50	05/09/18 10:20	1
PCB-135	0.98	C	0.099	0.0047	ng/g	☼	04/30/18 11:50	05/09/18 10:20	1
PCB-136	0.33	q	0.049	0.0034	ng/g	☼	04/30/18 11:50	05/09/18 10:20	1
PCB-137	0.10		0.049	0.037	ng/g	☼	04/30/18 11:50	05/09/18 10:20	1
PCB-138	2.9	C129 B	0.20	0.034	ng/g	☼	04/30/18 11:50	05/09/18 10:20	1
PCB-139	ND	C	0.099	0.038	ng/g	☼	04/30/18 11:50	05/09/18 10:20	1
PCB-140	ND	C139	0.099	0.038	ng/g	☼	04/30/18 11:50	05/09/18 10:20	1
PCB-141	0.62		0.049	0.040	ng/g	☼	04/30/18 11:50	05/09/18 10:20	1
PCB-142	ND		0.049	0.043	ng/g	☼	04/30/18 11:50	05/09/18 10:20	1
PCB-143	0.11	C134	0.099	0.045	ng/g	☼	04/30/18 11:50	05/09/18 10:20	1
PCB-144	0.13	q	0.049	0.0044	ng/g	☼	04/30/18 11:50	05/09/18 10:20	1
PCB-145	0.0086	J q	0.049	0.0034	ng/g	☼	04/30/18 11:50	05/09/18 10:20	1
PCB-146	0.49	B	0.049	0.036	ng/g	☼	04/30/18 11:50	05/09/18 10:20	1
PCB-147	2.2	C B	0.099	0.039	ng/g	☼	04/30/18 11:50	05/09/18 10:20	1

Client Sample ID: PDI-SG-B219-BL1
Date Collected: 04/19/18 15:10
Date Received: 04/20/18 13:00

Lab Sample ID: 580-76755-18
Matrix: Solid
Percent Solids: 50.0

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-148	ND		0.049	0.0045	ng/g	☼	04/30/18 11:50	05/09/18 10:20	1
PCB-149	**2.2**	**C147 B**	0.099	0.039	ng/g	☼	04/30/18 11:50	05/09/18 10:20	1
PCB-150	ND		0.049	0.0031	ng/g	☼	04/30/18 11:50	05/09/18 10:20	1
PCB-151	**0.98**	**C135**	0.099	0.0047	ng/g	☼	04/30/18 11:50	05/09/18 10:20	1
PCB-152	**0.0053**	**J q**	0.049	0.0033	ng/g	☼	04/30/18 11:50	05/09/18 10:20	1
PCB-153	**2.3**	**C B**	0.099	0.030	ng/g	☼	04/30/18 11:50	05/09/18 10:20	1
PCB-154	ND		0.049	0.0039	ng/g	☼	04/30/18 11:50	05/09/18 10:20	1
PCB-155	ND		0.049	0.0031	ng/g	☼	04/30/18 11:50	05/09/18 10:20	1
PCB-156	**0.30**	**q C**	0.099	0.037	ng/g	☼	04/30/18 11:50	05/09/18 10:20	1
PCB-157	**0.30**	**q C156**	0.099	0.037	ng/g	☼	04/30/18 11:50	05/09/18 10:20	1
PCB-158	**0.27**		0.049	0.027	ng/g	☼	04/30/18 11:50	05/09/18 10:20	1
PCB-159	ND		0.049	0.027	ng/g	☼	04/30/18 11:50	05/09/18 10:20	1
PCB-160	**2.9**	**C129 B**	0.20	0.034	ng/g	☼	04/30/18 11:50	05/09/18 10:20	1
PCB-161	ND		0.049	0.028	ng/g	☼	04/30/18 11:50	05/09/18 10:20	1
PCB-162	ND		0.049	0.027	ng/g	☼	04/30/18 11:50	05/09/18 10:20	1
PCB-163	**2.9**	**C129 B**	0.20	0.034	ng/g	☼	04/30/18 11:50	05/09/18 10:20	1
PCB-164	**0.16**	**q**	0.049	0.029	ng/g	☼	04/30/18 11:50	05/09/18 10:20	1
PCB-165	ND		0.049	0.032	ng/g	☼	04/30/18 11:50	05/09/18 10:20	1
PCB-166	**0.38**	**C128**	0.099	0.034	ng/g	☼	04/30/18 11:50	05/09/18 10:20	1
PCB-167	**0.10**		0.049	0.020	ng/g	☼	04/30/18 11:50	05/09/18 10:20	1
PCB-168	**2.3**	**C153 B**	0.099	0.030	ng/g	☼	04/30/18 11:50	05/09/18 10:20	1
PCB-169	ND		0.049	0.020	ng/g	☼	04/30/18 11:50	05/09/18 10:20	1
PCB-170	**2.1**		0.049	0.015	ng/g	☼	04/30/18 11:50	05/09/18 10:20	1
PCB-171	**0.71**	**C**	0.099	0.015	ng/g	☼	04/30/18 11:50	05/09/18 10:20	1
PCB-172	**0.34**	**q**	0.049	0.015	ng/g	☼	04/30/18 11:50	05/09/18 10:20	1
PCB-173	**0.71**	**C171**	0.099	0.015	ng/g	☼	04/30/18 11:50	05/09/18 10:20	1
PCB-174	**1.9**		0.049	0.016	ng/g	☼	04/30/18 11:50	05/09/18 10:20	1
PCB-175	**0.13**		0.049	0.014	ng/g	☼	04/30/18 11:50	05/09/18 10:20	1
PCB-176	**0.23**	**q**	0.049	0.0099	ng/g	☼	04/30/18 11:50	05/09/18 10:20	1
PCB-177	**1.2**		0.049	0.016	ng/g	☼	04/30/18 11:50	05/09/18 10:20	1
PCB-178	**0.35**		0.049	0.015	ng/g	☼	04/30/18 11:50	05/09/18 10:20	1
PCB-179	**0.68**		0.049	0.011	ng/g	☼	04/30/18 11:50	05/09/18 10:20	1
PCB-180	**3.8**	**C**	0.099	0.012	ng/g	☼	04/30/18 11:50	05/09/18 10:20	1
PCB-181	**0.36**		0.049	0.013	ng/g	☼	04/30/18 11:50	05/09/18 10:20	1
PCB-182	ND		0.049	0.013	ng/g	☼	04/30/18 11:50	05/09/18 10:20	1
PCB-183	**1.3**	**C**	0.099	0.013	ng/g	☼	04/30/18 11:50	05/09/18 10:20	1
PCB-184	ND		0.049	0.011	ng/g	☼	04/30/18 11:50	05/09/18 10:20	1
PCB-185	**1.3**	**C183**	0.099	0.013	ng/g	☼	04/30/18 11:50	05/09/18 10:20	1
PCB-186	ND		0.049	0.011	ng/g	☼	04/30/18 11:50	05/09/18 10:20	1
PCB-187	**1.9**		0.049	0.013	ng/g	☼	04/30/18 11:50	05/09/18 10:20	1
PCB-188	ND		0.049	0.010	ng/g	☼	04/30/18 11:50	05/09/18 10:20	1
PCB-189	**0.12**		0.049	0.017	ng/g	☼	04/30/18 11:50	05/09/18 10:20	1
PCB-190	**0.51**	**q**	0.049	0.010	ng/g	☼	04/30/18 11:50	05/09/18 10:20	1
PCB-191	**0.12**	**q**	0.049	0.010	ng/g	☼	04/30/18 11:50	05/09/18 10:20	1
PCB-192	**0.023**	**J q**	0.049	0.011	ng/g	☼	04/30/18 11:50	05/09/18 10:20	1
PCB-193	**3.8**	**C180**	0.099	0.012	ng/g	☼	04/30/18 11:50	05/09/18 10:20	1
PCB-194	**1.2**		0.049	0.039	ng/g	☼	04/30/18 11:50	05/09/18 10:20	1
PCB-195	**0.85**		0.049	0.044	ng/g	☼	04/30/18 11:50	05/09/18 10:20	1
PCB-196	**0.73**		0.049	0.017	ng/g	☼	04/30/18 11:50	05/09/18 10:20	1

Client Sample ID: PDI-SG-B219-BL1
Date Collected: 04/19/18 15:10
Date Received: 04/20/18 13:00

Lab Sample ID: 580-76755-18
Matrix: Solid
Percent Solids: 50.0

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-197	**0.088**		0.049	0.012	ng/g	☼	04/30/18 11:50	05/09/18 10:20	1
PCB-198	**1.4**	**C B**	0.099	0.018	ng/g	☼	04/30/18 11:50	05/09/18 10:20	1
PCB-199	**1.4**	**C198 B**	0.099	0.018	ng/g	☼	04/30/18 11:50	05/09/18 10:20	1
PCB-200	**0.20**		0.049	0.013	ng/g	☼	04/30/18 11:50	05/09/18 10:20	1
PCB-201	**0.21**		0.049	0.012	ng/g	☼	04/30/18 11:50	05/09/18 10:20	1
PCB-202	**0.23**		0.049	0.014	ng/g	☼	04/30/18 11:50	05/09/18 10:20	1
PCB-203	**0.94**		0.049	0.016	ng/g	☼	04/30/18 11:50	05/09/18 10:20	1
PCB-204	ND		0.049	0.013	ng/g	☼	04/30/18 11:50	05/09/18 10:20	1
PCB-205	**0.27**		0.049	0.029	ng/g	☼	04/30/18 11:50	05/09/18 10:20	1
PCB-206	**1.6**	**G q**	0.054	0.054	ng/g	☼	04/30/18 11:50	05/09/18 10:20	1
PCB-207	**0.38**		0.049	0.036	ng/g	☼	04/30/18 11:50	05/09/18 10:20	1
PCB-208	**0.45**		0.049	0.039	ng/g	☼	04/30/18 11:50	05/09/18 10:20	1
PCB-209	**2.1**		0.049	0.018	ng/g	☼	04/30/18 11:50	05/09/18 10:20	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
PCB-1L	*86*		*30 - 140*	*04/30/18 11:50*	*05/09/18 10:20*	*1*
PCB-3L	*79*		*30 - 140*	*04/30/18 11:50*	*05/09/18 10:20*	*1*
PCB-4L	*82*		*30 - 140*	*04/30/18 11:50*	*05/09/18 10:20*	*1*
PCB-15L	*83*		*30 - 140*	*04/30/18 11:50*	*05/09/18 10:20*	*1*
PCB-19L	*80*		*30 - 140*	*04/30/18 11:50*	*05/09/18 10:20*	*1*
PCB-37L	*86*		*30 - 140*	*04/30/18 11:50*	*05/09/18 10:20*	*1*
PCB-54L	*106*		*30 - 140*	*04/30/18 11:50*	*05/09/18 10:20*	*1*
PCB-77L	*92*		*30 - 140*	*04/30/18 11:50*	*05/09/18 10:20*	*1*
PCB-81L	*94*		*30 - 140*	*04/30/18 11:50*	*05/09/18 10:20*	*1*
PCB-104L	*81*		*30 - 140*	*04/30/18 11:50*	*05/09/18 10:20*	*1*
PCB-105L	*85*		*30 - 140*	*04/30/18 11:50*	*05/09/18 10:20*	*1*
PCB-114L	*82*		*30 - 140*	*04/30/18 11:50*	*05/09/18 10:20*	*1*
PCB-118L	*86*		*30 - 140*	*04/30/18 11:50*	*05/09/18 10:20*	*1*
PCB-123L	*86*		*30 - 140*	*04/30/18 11:50*	*05/09/18 10:20*	*1*
PCB-126L	*98*		*30 - 140*	*04/30/18 11:50*	*05/09/18 10:20*	*1*
PCB-155L	*94*		*30 - 140*	*04/30/18 11:50*	*05/09/18 10:20*	*1*
PCB-156L	*87*	*C*	*30 - 140*	*04/30/18 11:50*	*05/09/18 10:20*	*1*
PCB-157L	*87*	*C156*	*30 - 140*	*04/30/18 11:50*	*05/09/18 10:20*	*1*
PCB-167L	*88*		*30 - 140*	*04/30/18 11:50*	*05/09/18 10:20*	*1*
PCB-169L	*89*		*30 - 140*	*04/30/18 11:50*	*05/09/18 10:20*	*1*
PCB-170L	*91*		*30 - 140*	*04/30/18 11:50*	*05/09/18 10:20*	*1*
PCB-188L	*91*		*30 - 140*	*04/30/18 11:50*	*05/09/18 10:20*	*1*
PCB-189L	*106*		*30 - 140*	*04/30/18 11:50*	*05/09/18 10:20*	*1*
PCB-202L	*101*		*30 - 140*	*04/30/18 11:50*	*05/09/18 10:20*	*1*
PCB-205L	*84*		*30 - 140*	*04/30/18 11:50*	*05/09/18 10:20*	*1*
PCB-206L	*70*		*30 - 140*	*04/30/18 11:50*	*05/09/18 10:20*	*1*
PCB-208L	*72*		*30 - 140*	*04/30/18 11:50*	*05/09/18 10:20*	*1*
PCB-209L	*63*		*30 - 140*	*04/30/18 11:50*	*05/09/18 10:20*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
PCB-28L	*80*		*40 - 125*	*04/30/18 11:50*	*05/09/18 10:20*	*1*
PCB-111L	*78*		*40 - 125*	*04/30/18 11:50*	*05/09/18 10:20*	*1*
PCB-178L	*92*		*40 - 125*	*04/30/18 11:50*	*05/09/18 10:20*	*1*

Client Sample ID: PDI-SG-B219-BL1-D
Date Collected: 04/19/18 15:15
Date Received: 04/20/18 13:00

Lab Sample ID: 580-76755-19
Matrix: Solid
Percent Solids: 52.2

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1	0.036	J q B	0.049	0.0018	ng/g	☼	04/30/18 11:50	05/09/18 11:23	1
PCB-2	0.033	J q B	0.049	0.0019	ng/g	☼	04/30/18 11:50	05/09/18 11:23	1
PCB-3	0.067		0.049	0.0022	ng/g	☼	04/30/18 11:50	05/09/18 11:23	1
PCB-4	0.037	J q	0.098	0.0095	ng/g	☼	04/30/18 11:50	05/09/18 11:23	1
PCB-5	ND		0.049	0.0066	ng/g	☼	04/30/18 11:50	05/09/18 11:23	1
PCB-6	0.036	J q	0.049	0.0065	ng/g	☼	04/30/18 11:50	05/09/18 11:23	1
PCB-7	ND		0.049	0.0062	ng/g	☼	04/30/18 11:50	05/09/18 11:23	1
PCB-8	0.12	B	0.098	0.0064	ng/g	☼	04/30/18 11:50	05/09/18 11:23	1
PCB-9	0.024	J B	0.049	0.0072	ng/g	☼	04/30/18 11:50	05/09/18 11:23	1
PCB-10	ND		0.049	0.0070	ng/g	☼	04/30/18 11:50	05/09/18 11:23	1
PCB-11	0.078	J q B	0.098	0.0060	ng/g	☼	04/30/18 11:50	05/09/18 11:23	1
PCB-12	0.036	J q C	0.098	0.0060	ng/g	☼	04/30/18 11:50	05/09/18 11:23	1
PCB-13	0.036	J q C12	0.098	0.0060	ng/g	☼	04/30/18 11:50	05/09/18 11:23	1
PCB-14	ND		0.049	0.0055	ng/g	☼	04/30/18 11:50	05/09/18 11:23	1
PCB-15	0.17		0.049	0.0065	ng/g	☼	04/30/18 11:50	05/09/18 11:23	1
PCB-16	0.73	q	0.049	0.013	ng/g	☼	04/30/18 11:50	05/09/18 11:23	1
PCB-17	0.64		0.049	0.0098	ng/g	☼	04/30/18 11:50	05/09/18 11:23	1
PCB-18	1.7	C	0.098	0.0087	ng/g	☼	04/30/18 11:50	05/09/18 11:23	1
PCB-19	0.14	q	0.049	0.012	ng/g	☼	04/30/18 11:50	05/09/18 11:23	1
PCB-20	5.1	C B	0.098	0.050	ng/g	☼	04/30/18 11:50	05/09/18 11:23	1
PCB-21	1.7	C B	0.098	0.047	ng/g	☼	04/30/18 11:50	05/09/18 11:23	1
PCB-22	1.6	G B	0.051	0.051	ng/g	☼	04/30/18 11:50	05/09/18 11:23	1
PCB-23	ND	G	0.050	0.050	ng/g	☼	04/30/18 11:50	05/09/18 11:23	1
PCB-24	ND		0.049	0.0075	ng/g	☼	04/30/18 11:50	05/09/18 11:23	1
PCB-25	ND		0.049	0.048	ng/g	☼	04/30/18 11:50	05/09/18 11:23	1
PCB-26	0.42	C	0.098	0.050	ng/g	☼	04/30/18 11:50	05/09/18 11:23	1
PCB-27	0.087	q	0.049	0.0074	ng/g	☼	04/30/18 11:50	05/09/18 11:23	1
PCB-28	5.1	C20 B	0.098	0.050	ng/g	☼	04/30/18 11:50	05/09/18 11:23	1
PCB-29	0.42	C26	0.098	0.050	ng/g	☼	04/30/18 11:50	05/09/18 11:23	1
PCB-30	1.7	C18	0.098	0.0087	ng/g	☼	04/30/18 11:50	05/09/18 11:23	1
PCB-31	4.2	B	0.098	0.046	ng/g	☼	04/30/18 11:50	05/09/18 11:23	1
PCB-32	0.82		0.049	0.0068	ng/g	☼	04/30/18 11:50	05/09/18 11:23	1
PCB-33	1.7	C21 B	0.098	0.047	ng/g	☼	04/30/18 11:50	05/09/18 11:23	1
PCB-34	ND	G	0.052	0.052	ng/g	☼	04/30/18 11:50	05/09/18 11:23	1
PCB-35	ND		0.049	0.049	ng/g	☼	04/30/18 11:50	05/09/18 11:23	1
PCB-36	ND		0.049	0.045	ng/g	☼	04/30/18 11:50	05/09/18 11:23	1
PCB-37	1.5	B	0.049	0.046	ng/g	☼	04/30/18 11:50	05/09/18 11:23	1
PCB-38	ND		0.049	0.049	ng/g	☼	04/30/18 11:50	05/09/18 11:23	1
PCB-39	ND		0.049	0.044	ng/g	☼	04/30/18 11:50	05/09/18 11:23	1
PCB-40	8.5	C	0.15	0.024	ng/g	☼	04/30/18 11:50	05/09/18 11:23	1
PCB-41	8.5	C40	0.15	0.024	ng/g	☼	04/30/18 11:50	05/09/18 11:23	1
PCB-42	3.5		0.049	0.025	ng/g	☼	04/30/18 11:50	05/09/18 11:23	1
PCB-43	0.42	q C	0.098	0.022	ng/g	☼	04/30/18 11:50	05/09/18 11:23	1
PCB-44	13	C B	0.15	0.022	ng/g	☼	04/30/18 11:50	05/09/18 11:23	1
PCB-45	2.0	C	0.098	0.026	ng/g	☼	04/30/18 11:50	05/09/18 11:23	1
PCB-46	0.62	q	0.049	0.030	ng/g	☼	04/30/18 11:50	05/09/18 11:23	1
PCB-47	13	C44 B	0.15	0.022	ng/g	☼	04/30/18 11:50	05/09/18 11:23	1
PCB-48	2.6		0.049	0.023	ng/g	☼	04/30/18 11:50	05/09/18 11:23	1
PCB-49	6.8	C B	0.098	0.020	ng/g	☼	04/30/18 11:50	05/09/18 11:23	1

Client Sample ID: PDI-SG-B219-BL1-D
Date Collected: 04/19/18 15:15
Date Received: 04/20/18 13:00

Lab Sample ID: 580-76755-19
Matrix: Solid
Percent Solids: 52.2

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-50	1.5	C	0.098	0.024	ng/g	☼	04/30/18 11:50	05/09/18 11:23	1
PCB-51	2.0	C45	0.098	0.026	ng/g	☼	04/30/18 11:50	05/09/18 11:23	1
PCB-52	13	B	0.049	0.026	ng/g	☼	04/30/18 11:50	05/09/18 11:23	1
PCB-53	1.5	C50	0.098	0.024	ng/g	☼	04/30/18 11:50	05/09/18 11:23	1
PCB-54	0.020	J	0.049	0.00083	ng/g	☼	04/30/18 11:50	05/09/18 11:23	1
PCB-55	0.19	q	0.049	0.017	ng/g	☼	04/30/18 11:50	05/09/18 11:23	1
PCB-56	7.5	B	0.049	0.017	ng/g	☼	04/30/18 11:50	05/09/18 11:23	1
PCB-57	ND		0.049	0.017	ng/g	☼	04/30/18 11:50	05/09/18 11:23	1
PCB-58	ND		0.049	0.016	ng/g	☼	04/30/18 11:50	05/09/18 11:23	1
PCB-59	1.0	C	0.15	0.017	ng/g	☼	04/30/18 11:50	05/09/18 11:23	1
PCB-60	4.3		0.049	0.017	ng/g	☼	04/30/18 11:50	05/09/18 11:23	1
PCB-61	22	C B	0.20	0.016	ng/g	☼	04/30/18 11:50	05/09/18 11:23	1
PCB-62	1.0	C59	0.15	0.017	ng/g	☼	04/30/18 11:50	05/09/18 11:23	1
PCB-63	0.50		0.049	0.015	ng/g	☼	04/30/18 11:50	05/09/18 11:23	1
PCB-64	5.9		0.049	0.015	ng/g	☼	04/30/18 11:50	05/09/18 11:23	1
PCB-65	13	C44 B	0.15	0.022	ng/g	☼	04/30/18 11:50	05/09/18 11:23	1
PCB-66	14		0.049	0.016	ng/g	☼	04/30/18 11:50	05/09/18 11:23	1
PCB-67	0.28		0.049	0.016	ng/g	☼	04/30/18 11:50	05/09/18 11:23	1
PCB-68	ND		0.049	0.015	ng/g	☼	04/30/18 11:50	05/09/18 11:23	1
PCB-69	6.8	C49 B	0.098	0.020	ng/g	☼	04/30/18 11:50	05/09/18 11:23	1
PCB-70	22	C61 B	0.20	0.016	ng/g	☼	04/30/18 11:50	05/09/18 11:23	1
PCB-71	8.5	C40	0.15	0.024	ng/g	☼	04/30/18 11:50	05/09/18 11:23	1
PCB-72	ND		0.049	0.017	ng/g	☼	04/30/18 11:50	05/09/18 11:23	1
PCB-73	0.42	q C43	0.098	0.022	ng/g	☼	04/30/18 11:50	05/09/18 11:23	1
PCB-74	22	C61 B	0.20	0.016	ng/g	☼	04/30/18 11:50	05/09/18 11:23	1
PCB-75	1.0	C59	0.15	0.017	ng/g	☼	04/30/18 11:50	05/09/18 11:23	1
PCB-76	22	C61 B	0.20	0.016	ng/g	☼	04/30/18 11:50	05/09/18 11:23	1
PCB-77	1.5		0.049	0.015	ng/g	☼	04/30/18 11:50	05/09/18 11:23	1
PCB-78	ND		0.049	0.016	ng/g	☼	04/30/18 11:50	05/09/18 11:23	1
PCB-79	0.11		0.049	0.014	ng/g	☼	04/30/18 11:50	05/09/18 11:23	1
PCB-80	ND		0.049	0.014	ng/g	☼	04/30/18 11:50	05/09/18 11:23	1
PCB-81	ND		0.049	0.016	ng/g	☼	04/30/18 11:50	05/09/18 11:23	1
PCB-82	2.2		0.049	0.012	ng/g	☼	04/30/18 11:50	05/09/18 11:23	1
PCB-83	5.4	C	0.098	0.011	ng/g	☼	04/30/18 11:50	05/09/18 11:23	1
PCB-84	2.7		0.049	0.012	ng/g	☼	04/30/18 11:50	05/09/18 11:23	1
PCB-85	2.3	C	0.15	0.0085	ng/g	☼	04/30/18 11:50	05/09/18 11:23	1
PCB-86	6.3	C B	0.29	0.0090	ng/g	☼	04/30/18 11:50	05/09/18 11:23	1
PCB-87	6.3	C86 B	0.29	0.0090	ng/g	☼	04/30/18 11:50	05/09/18 11:23	1
PCB-88	1.4	C	0.098	0.011	ng/g	☼	04/30/18 11:50	05/09/18 11:23	1
PCB-89	0.29	q	0.049	0.012	ng/g	☼	04/30/18 11:50	05/09/18 11:23	1
PCB-90	6.1	C	0.15	0.0091	ng/g	☼	04/30/18 11:50	05/09/18 11:23	1
PCB-91	1.4	C88	0.098	0.011	ng/g	☼	04/30/18 11:50	05/09/18 11:23	1
PCB-92	1.1		0.049	0.011	ng/g	☼	04/30/18 11:50	05/09/18 11:23	1
PCB-93	0.16	C	0.098	0.011	ng/g	☼	04/30/18 11:50	05/09/18 11:23	1
PCB-94	0.094		0.049	0.012	ng/g	☼	04/30/18 11:50	05/09/18 11:23	1
PCB-95	5.3	B	0.049	0.011	ng/g	☼	04/30/18 11:50	05/09/18 11:23	1
PCB-96	0.15		0.049	0.0087	ng/g	☼	04/30/18 11:50	05/09/18 11:23	1
PCB-97	6.3	C86 B	0.29	0.0090	ng/g	☼	04/30/18 11:50	05/09/18 11:23	1
PCB-98	0.50	q C	0.098	0.011	ng/g	☼	04/30/18 11:50	05/09/18 11:23	1

Client Sample ID: PDI-SG-B219-BL1-D
Date Collected: 04/19/18 15:15
Date Received: 04/20/18 13:00

Lab Sample ID: 580-76755-19
Matrix: Solid
Percent Solids: 52.2

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-99	5.4	C83	0.098	0.011	ng/g	☼	04/30/18 11:50	05/09/18 11:23	1
PCB-100	0.16	C93	0.098	0.011	ng/g	☼	04/30/18 11:50	05/09/18 11:23	1
PCB-101	6.1	C90	0.15	0.0091	ng/g	☼	04/30/18 11:50	05/09/18 11:23	1
PCB-102	0.50	q C98	0.098	0.011	ng/g	☼	04/30/18 11:50	05/09/18 11:23	1
PCB-103	ND		0.049	0.010	ng/g	☼	04/30/18 11:50	05/09/18 11:23	1
PCB-104	ND		0.049	0.0078	ng/g	☼	04/30/18 11:50	05/09/18 11:23	1
PCB-105	5.0		0.049	0.023	ng/g	☼	04/30/18 11:50	05/09/18 11:23	1
PCB-106	ND		0.049	0.024	ng/g	☼	04/30/18 11:50	05/09/18 11:23	1
PCB-107	0.56	q	0.049	0.023	ng/g	☼	04/30/18 11:50	05/09/18 11:23	1
PCB-108	0.34	C	0.098	0.024	ng/g	☼	04/30/18 11:50	05/09/18 11:23	1
PCB-109	6.3	C86 B	0.29	0.0090	ng/g	☼	04/30/18 11:50	05/09/18 11:23	1
PCB-110	8.6	C B	0.098	0.0074	ng/g	☼	04/30/18 11:50	05/09/18 11:23	1
PCB-111	ND		0.049	0.0070	ng/g	☼	04/30/18 11:50	05/09/18 11:23	1
PCB-112	ND		0.049	0.0076	ng/g	☼	04/30/18 11:50	05/09/18 11:23	1
PCB-113	6.1	C90	0.15	0.0091	ng/g	☼	04/30/18 11:50	05/09/18 11:23	1
PCB-114	0.34		0.049	0.021	ng/g	☼	04/30/18 11:50	05/09/18 11:23	1
PCB-115	8.6	C110 B	0.098	0.0074	ng/g	☼	04/30/18 11:50	05/09/18 11:23	1
PCB-116	2.3	C85	0.15	0.0085	ng/g	☼	04/30/18 11:50	05/09/18 11:23	1
PCB-117	2.3	C85	0.15	0.0085	ng/g	☼	04/30/18 11:50	05/09/18 11:23	1
PCB-118	7.4		0.049	0.022	ng/g	☼	04/30/18 11:50	05/09/18 11:23	1
PCB-119	6.3	C86 B	0.29	0.0090	ng/g	☼	04/30/18 11:50	05/09/18 11:23	1
PCB-120	0.052	q B	0.049	0.0069	ng/g	☼	04/30/18 11:50	05/09/18 11:23	1
PCB-121	ND		0.049	0.0074	ng/g	☼	04/30/18 11:50	05/09/18 11:23	1
PCB-122	ND		0.049	0.026	ng/g	☼	04/30/18 11:50	05/09/18 11:23	1
PCB-123	0.20	q	0.049	0.021	ng/g	☼	04/30/18 11:50	05/09/18 11:23	1
PCB-124	0.34	C108	0.098	0.024	ng/g	☼	04/30/18 11:50	05/09/18 11:23	1
PCB-125	6.3	C86 B	0.29	0.0090	ng/g	☼	04/30/18 11:50	05/09/18 11:23	1
PCB-126	0.026	J q	0.049	0.023	ng/g	☼	04/30/18 11:50	05/09/18 11:23	1
PCB-127	ND		0.049	0.023	ng/g	☼	04/30/18 11:50	05/09/18 11:23	1
PCB-128	0.58	C	0.098	0.044	ng/g	☼	04/30/18 11:50	05/09/18 11:23	1
PCB-129	3.8	C B	0.20	0.045	ng/g	☼	04/30/18 11:50	05/09/18 11:23	1
PCB-130	0.23	G	0.059	0.059	ng/g	☼	04/30/18 11:50	05/09/18 11:23	1
PCB-131	ND	G	0.060	0.060	ng/g	☼	04/30/18 11:50	05/09/18 11:23	1
PCB-132	1.2	G	0.058	0.058	ng/g	☼	04/30/18 11:50	05/09/18 11:23	1
PCB-133	ND	G	0.056	0.056	ng/g	☼	04/30/18 11:50	05/09/18 11:23	1
PCB-134	0.13	C	0.098	0.058	ng/g	☼	04/30/18 11:50	05/09/18 11:23	1
PCB-135	1.2	C	0.098	0.0047	ng/g	☼	04/30/18 11:50	05/09/18 11:23	1
PCB-136	0.46		0.049	0.0034	ng/g	☼	04/30/18 11:50	05/09/18 11:23	1
PCB-137	0.21		0.049	0.048	ng/g	☼	04/30/18 11:50	05/09/18 11:23	1
PCB-138	3.8	C129 B	0.20	0.045	ng/g	☼	04/30/18 11:50	05/09/18 11:23	1
PCB-139	ND	C	0.098	0.050	ng/g	☼	04/30/18 11:50	05/09/18 11:23	1
PCB-140	ND	C139	0.098	0.050	ng/g	☼	04/30/18 11:50	05/09/18 11:23	1
PCB-141	0.84	G	0.052	0.052	ng/g	☼	04/30/18 11:50	05/09/18 11:23	1
PCB-142	ND	G	0.057	0.057	ng/g	☼	04/30/18 11:50	05/09/18 11:23	1
PCB-143	0.13	C134	0.098	0.058	ng/g	☼	04/30/18 11:50	05/09/18 11:23	1
PCB-144	0.19	q	0.049	0.0044	ng/g	☼	04/30/18 11:50	05/09/18 11:23	1
PCB-145	ND		0.049	0.0034	ng/g	☼	04/30/18 11:50	05/09/18 11:23	1
PCB-146	0.55	B	0.049	0.047	ng/g	☼	04/30/18 11:50	05/09/18 11:23	1
PCB-147	2.7	C B	0.098	0.050	ng/g	☼	04/30/18 11:50	05/09/18 11:23	1

Client Sample ID: PDI-SG-B219-BL1-D
Date Collected: 04/19/18 15:15
Date Received: 04/20/18 13:00

Lab Sample ID: 580-76755-19
Matrix: Solid
Percent Solids: 52.2

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-148	ND		0.049	0.0046	ng/g	☼	04/30/18 11:50	05/09/18 11:23	1
PCB-149	**2.7**	**C147 B**	0.098	0.050	ng/g	☼	04/30/18 11:50	05/09/18 11:23	1
PCB-150	**0.0068**	**J q**	0.049	0.0031	ng/g	☼	04/30/18 11:50	05/09/18 11:23	1
PCB-151	**1.2**	**C135**	0.098	0.0047	ng/g	☼	04/30/18 11:50	05/09/18 11:23	1
PCB-152	ND		0.049	0.0033	ng/g	☼	04/30/18 11:50	05/09/18 11:23	1
PCB-153	**3.0**	**C B**	0.098	0.039	ng/g	☼	04/30/18 11:50	05/09/18 11:23	1
PCB-154	ND		0.049	0.0040	ng/g	☼	04/30/18 11:50	05/09/18 11:23	1
PCB-155	ND		0.049	0.0031	ng/g	☼	04/30/18 11:50	05/09/18 11:23	1
PCB-156	**0.43**	**C**	0.098	0.047	ng/g	☼	04/30/18 11:50	05/09/18 11:23	1
PCB-157	**0.43**	**C156**	0.098	0.047	ng/g	☼	04/30/18 11:50	05/09/18 11:23	1
PCB-158	**0.40**		0.049	0.035	ng/g	☼	04/30/18 11:50	05/09/18 11:23	1
PCB-159	ND		0.049	0.036	ng/g	☼	04/30/18 11:50	05/09/18 11:23	1
PCB-160	**3.8**	**C129 B**	0.20	0.045	ng/g	☼	04/30/18 11:50	05/09/18 11:23	1
PCB-161	ND		0.049	0.037	ng/g	☼	04/30/18 11:50	05/09/18 11:23	1
PCB-162	ND		0.049	0.035	ng/g	☼	04/30/18 11:50	05/09/18 11:23	1
PCB-163	**3.8**	**C129 B**	0.20	0.045	ng/g	☼	04/30/18 11:50	05/09/18 11:23	1
PCB-164	**0.25**	**q**	0.049	0.038	ng/g	☼	04/30/18 11:50	05/09/18 11:23	1
PCB-165	ND		0.049	0.042	ng/g	☼	04/30/18 11:50	05/09/18 11:23	1
PCB-166	**0.58**	**C128**	0.098	0.044	ng/g	☼	04/30/18 11:50	05/09/18 11:23	1
PCB-167	**0.14**		0.049	0.027	ng/g	☼	04/30/18 11:50	05/09/18 11:23	1
PCB-168	**3.0**	**C153 B**	0.098	0.039	ng/g	☼	04/30/18 11:50	05/09/18 11:23	1
PCB-169	ND		0.049	0.027	ng/g	☼	04/30/18 11:50	05/09/18 11:23	1
PCB-170	**1.5**		0.049	0.017	ng/g	☼	04/30/18 11:50	05/09/18 11:23	1
PCB-171	**0.59**	**C**	0.098	0.017	ng/g	☼	04/30/18 11:50	05/09/18 11:23	1
PCB-172	**0.37**		0.049	0.016	ng/g	☼	04/30/18 11:50	05/09/18 11:23	1
PCB-173	**0.59**	**C171**	0.098	0.017	ng/g	☼	04/30/18 11:50	05/09/18 11:23	1
PCB-174	**1.7**		0.049	0.017	ng/g	☼	04/30/18 11:50	05/09/18 11:23	1
PCB-175	**0.13**	**q**	0.049	0.015	ng/g	☼	04/30/18 11:50	05/09/18 11:23	1
PCB-176	**0.20**		0.049	0.011	ng/g	☼	04/30/18 11:50	05/09/18 11:23	1
PCB-177	**1.1**		0.049	0.017	ng/g	☼	04/30/18 11:50	05/09/18 11:23	1
PCB-178	**0.35**		0.049	0.016	ng/g	☼	04/30/18 11:50	05/09/18 11:23	1
PCB-179	**0.63**		0.049	0.012	ng/g	☼	04/30/18 11:50	05/09/18 11:23	1
PCB-180	**3.1**	**C**	0.098	0.013	ng/g	☼	04/30/18 11:50	05/09/18 11:23	1
PCB-181	**0.42**		0.049	0.015	ng/g	☼	04/30/18 11:50	05/09/18 11:23	1
PCB-182	ND		0.049	0.014	ng/g	☼	04/30/18 11:50	05/09/18 11:23	1
PCB-183	**1.2**	**C**	0.098	0.014	ng/g	☼	04/30/18 11:50	05/09/18 11:23	1
PCB-184	ND		0.049	0.012	ng/g	☼	04/30/18 11:50	05/09/18 11:23	1
PCB-185	**1.2**	**C183**	0.098	0.014	ng/g	☼	04/30/18 11:50	05/09/18 11:23	1
PCB-186	ND		0.049	0.012	ng/g	☼	04/30/18 11:50	05/09/18 11:23	1
PCB-187	**1.9**		0.049	0.015	ng/g	☼	04/30/18 11:50	05/09/18 11:23	1
PCB-188	ND		0.049	0.011	ng/g	☼	04/30/18 11:50	05/09/18 11:23	1
PCB-189	**0.076**		0.049	0.028	ng/g	☼	04/30/18 11:50	05/09/18 11:23	1
PCB-190	**0.52**		0.049	0.011	ng/g	☼	04/30/18 11:50	05/09/18 11:23	1
PCB-191	**0.14**	**q**	0.049	0.011	ng/g	☼	04/30/18 11:50	05/09/18 11:23	1
PCB-192	**0.026**	**J q**	0.049	0.012	ng/g	☼	04/30/18 11:50	05/09/18 11:23	1
PCB-193	**3.1**	**C180**	0.098	0.013	ng/g	☼	04/30/18 11:50	05/09/18 11:23	1
PCB-194	**0.79**		0.049	0.049	ng/g	☼	04/30/18 11:50	05/09/18 11:23	1
PCB-195	**0.70**	**G**	0.055	0.055	ng/g	☼	04/30/18 11:50	05/09/18 11:23	1
PCB-196	**0.68**		0.049	0.017	ng/g	☼	04/30/18 11:50	05/09/18 11:23	1

Client Sample ID: PDI-SG-B219-BL1-D
Date Collected: 04/19/18 15:15
Date Received: 04/20/18 13:00

Lab Sample ID: 580-76755-19
Matrix: Solid
Percent Solids: 52.2

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-197	0.089	q	0.049	0.012	ng/g	☼	04/30/18 11:50	05/09/18 11:23	1
PCB-198	1.3	C B	0.098	0.018	ng/g	☼	04/30/18 11:50	05/09/18 11:23	1
PCB-199	1.3	C198 B	0.098	0.018	ng/g	☼	04/30/18 11:50	05/09/18 11:23	1
PCB-200	0.24		0.049	0.013	ng/g	☼	04/30/18 11:50	05/09/18 11:23	1
PCB-201	0.23		0.049	0.012	ng/g	☼	04/30/18 11:50	05/09/18 11:23	1
PCB-202	0.32		0.049	0.014	ng/g	☼	04/30/18 11:50	05/09/18 11:23	1
PCB-203	0.94		0.049	0.016	ng/g	☼	04/30/18 11:50	05/09/18 11:23	1
PCB-204	ND		0.049	0.013	ng/g	☼	04/30/18 11:50	05/09/18 11:23	1
PCB-205	0.30		0.049	0.037	ng/g	☼	04/30/18 11:50	05/09/18 11:23	1
PCB-206	1.3		0.049	0.044	ng/g	☼	04/30/18 11:50	05/09/18 11:23	1
PCB-207	0.52		0.049	0.030	ng/g	☼	04/30/18 11:50	05/09/18 11:23	1
PCB-208	0.62		0.049	0.033	ng/g	☼	04/30/18 11:50	05/09/18 11:23	1
PCB-209	1.9		0.049	0.027	ng/g	☼	04/30/18 11:50	05/09/18 11:23	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
PCB-1L	*69*		*30 - 140*	*04/30/18 11:50*	*05/09/18 11:23*	*1*
PCB-3L	*69*		*30 - 140*	*04/30/18 11:50*	*05/09/18 11:23*	*1*
PCB-4L	*73*		*30 - 140*	*04/30/18 11:50*	*05/09/18 11:23*	*1*
PCB-15L	*78*		*30 - 140*	*04/30/18 11:50*	*05/09/18 11:23*	*1*
PCB-19L	*84*		*30 - 140*	*04/30/18 11:50*	*05/09/18 11:23*	*1*
PCB-37L	*94*		*30 - 140*	*04/30/18 11:50*	*05/09/18 11:23*	*1*
PCB-54L	*107*		*30 - 140*	*04/30/18 11:50*	*05/09/18 11:23*	*1*
PCB-77L	*94*		*30 - 140*	*04/30/18 11:50*	*05/09/18 11:23*	*1*
PCB-81L	*90*		*30 - 140*	*04/30/18 11:50*	*05/09/18 11:23*	*1*
PCB-104L	*88*		*30 - 140*	*04/30/18 11:50*	*05/09/18 11:23*	*1*
PCB-105L	*88*		*30 - 140*	*04/30/18 11:50*	*05/09/18 11:23*	*1*
PCB-114L	*86*		*30 - 140*	*04/30/18 11:50*	*05/09/18 11:23*	*1*
PCB-118L	*92*		*30 - 140*	*04/30/18 11:50*	*05/09/18 11:23*	*1*
PCB-123L	*93*		*30 - 140*	*04/30/18 11:50*	*05/09/18 11:23*	*1*
PCB-126L	*92*		*30 - 140*	*04/30/18 11:50*	*05/09/18 11:23*	*1*
PCB-155L	*98*		*30 - 140*	*04/30/18 11:50*	*05/09/18 11:23*	*1*
PCB-156L	*91*	*C*	*30 - 140*	*04/30/18 11:50*	*05/09/18 11:23*	*1*
PCB-157L	*91*	*C156*	*30 - 140*	*04/30/18 11:50*	*05/09/18 11:23*	*1*
PCB-167L	*86*		*30 - 140*	*04/30/18 11:50*	*05/09/18 11:23*	*1*
PCB-169L	*89*		*30 - 140*	*04/30/18 11:50*	*05/09/18 11:23*	*1*
PCB-170L	*90*		*30 - 140*	*04/30/18 11:50*	*05/09/18 11:23*	*1*
PCB-188L	*91*		*30 - 140*	*04/30/18 11:50*	*05/09/18 11:23*	*1*
PCB-189L	*105*		*30 - 140*	*04/30/18 11:50*	*05/09/18 11:23*	*1*
PCB-202L	*99*		*30 - 140*	*04/30/18 11:50*	*05/09/18 11:23*	*1*
PCB-205L	*83*		*30 - 140*	*04/30/18 11:50*	*05/09/18 11:23*	*1*
PCB-206L	*72*		*30 - 140*	*04/30/18 11:50*	*05/09/18 11:23*	*1*
PCB-208L	*72*		*30 - 140*	*04/30/18 11:50*	*05/09/18 11:23*	*1*
PCB-209L	*69*		*30 - 140*	*04/30/18 11:50*	*05/09/18 11:23*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
PCB-28L	*80*		*40 - 125*	*04/30/18 11:50*	*05/09/18 11:23*	*1*
PCB-111L	*92*		*40 - 125*	*04/30/18 11:50*	*05/09/18 11:23*	*1*
PCB-178L	*86*		*40 - 125*	*04/30/18 11:50*	*05/09/18 11:23*	*1*

Client Sample ID: PDI-SG-B223-BL1
Date Collected: 04/19/18 16:15
Date Received: 04/20/18 13:00

Lab Sample ID: 580-76755-20
Matrix: Solid
Percent Solids: 44.3

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1	0.078	B	0.056	0.0032	ng/g	☼	04/30/18 11:50	05/09/18 19:38	1
PCB-2	0.027	J B	0.056	0.0035	ng/g	☼	04/30/18 11:50	05/09/18 19:38	1
PCB-3	0.044	J	0.056	0.0038	ng/g	☼	04/30/18 11:50	05/09/18 19:38	1
PCB-4	0.32		0.11	0.012	ng/g	☼	04/30/18 11:50	05/09/18 19:38	1
PCB-5	ND		0.056	0.0087	ng/g	☼	04/30/18 11:50	05/09/18 19:38	1
PCB-6	0.20		0.056	0.0086	ng/g	☼	04/30/18 11:50	05/09/18 19:38	1
PCB-7	0.035	J q	0.056	0.0082	ng/g	☼	04/30/18 11:50	05/09/18 19:38	1
PCB-8	0.57	q B	0.11	0.0084	ng/g	☼	04/30/18 11:50	05/09/18 19:38	1
PCB-9	0.044	J q B	0.056	0.0095	ng/g	☼	04/30/18 11:50	05/09/18 19:38	1
PCB-10	ND		0.056	0.0093	ng/g	☼	04/30/18 11:50	05/09/18 19:38	1
PCB-11	0.10	J B	0.11	0.0079	ng/g	☼	04/30/18 11:50	05/09/18 19:38	1
PCB-12	0.098	J C	0.11	0.0079	ng/g	☼	04/30/18 11:50	05/09/18 19:38	1
PCB-13	0.098	J C12	0.11	0.0079	ng/g	☼	04/30/18 11:50	05/09/18 19:38	1
PCB-14	ND		0.056	0.0072	ng/g	☼	04/30/18 11:50	05/09/18 19:38	1
PCB-15	0.54		0.056	0.0087	ng/g	☼	04/30/18 11:50	05/09/18 19:38	1
PCB-16	0.52	q	0.056	0.011	ng/g	☼	04/30/18 11:50	05/09/18 19:38	1
PCB-17	0.88		0.056	0.0081	ng/g	☼	04/30/18 11:50	05/09/18 19:38	1
PCB-18	1.6	C	0.11	0.0071	ng/g	☼	04/30/18 11:50	05/09/18 19:38	1
PCB-19	0.18		0.056	0.0099	ng/g	☼	04/30/18 11:50	05/09/18 19:38	1
PCB-20	4.2	C B	0.11	0.026	ng/g	☼	04/30/18 11:50	05/09/18 19:38	1
PCB-21	1.3	C B	0.11	0.024	ng/g	☼	04/30/18 11:50	05/09/18 19:38	1
PCB-22	1.1	B	0.056	0.026	ng/g	☼	04/30/18 11:50	05/09/18 19:38	1
PCB-23	ND		0.056	0.026	ng/g	☼	04/30/18 11:50	05/09/18 19:38	1
PCB-24	ND		0.056	0.0061	ng/g	☼	04/30/18 11:50	05/09/18 19:38	1
PCB-25	0.49		0.056	0.025	ng/g	☼	04/30/18 11:50	05/09/18 19:38	1
PCB-26	0.67	C	0.11	0.026	ng/g	☼	04/30/18 11:50	05/09/18 19:38	1
PCB-27	0.12		0.056	0.0060	ng/g	☼	04/30/18 11:50	05/09/18 19:38	1
PCB-28	4.2	C20 B	0.11	0.026	ng/g	☼	04/30/18 11:50	05/09/18 19:38	1
PCB-29	0.67	C26	0.11	0.026	ng/g	☼	04/30/18 11:50	05/09/18 19:38	1
PCB-30	1.6	C18	0.11	0.0071	ng/g	☼	04/30/18 11:50	05/09/18 19:38	1
PCB-31	3.0	B	0.11	0.024	ng/g	☼	04/30/18 11:50	05/09/18 19:38	1
PCB-32	0.55		0.056	0.0055	ng/g	☼	04/30/18 11:50	05/09/18 19:38	1
PCB-33	1.3	C21 B	0.11	0.024	ng/g	☼	04/30/18 11:50	05/09/18 19:38	1
PCB-34	0.039	J	0.056	0.027	ng/g	☼	04/30/18 11:50	05/09/18 19:38	1
PCB-35	0.032	J q	0.056	0.025	ng/g	☼	04/30/18 11:50	05/09/18 19:38	1
PCB-36	ND		0.056	0.023	ng/g	☼	04/30/18 11:50	05/09/18 19:38	1
PCB-37	0.79	B	0.056	0.024	ng/g	☼	04/30/18 11:50	05/09/18 19:38	1
PCB-38	ND		0.056	0.025	ng/g	☼	04/30/18 11:50	05/09/18 19:38	1
PCB-39	0.058		0.056	0.023	ng/g	☼	04/30/18 11:50	05/09/18 19:38	1
PCB-40	2.9	C	0.17	0.018	ng/g	☼	04/30/18 11:50	05/09/18 19:38	1
PCB-41	2.9	C40	0.17	0.018	ng/g	☼	04/30/18 11:50	05/09/18 19:38	1
PCB-42	1.7		0.056	0.018	ng/g	☼	04/30/18 11:50	05/09/18 19:38	1
PCB-43	0.25	C	0.11	0.016	ng/g	☼	04/30/18 11:50	05/09/18 19:38	1
PCB-44	5.7	C B	0.17	0.016	ng/g	☼	04/30/18 11:50	05/09/18 19:38	1
PCB-45	0.97	C	0.11	0.019	ng/g	☼	04/30/18 11:50	05/09/18 19:38	1
PCB-46	0.29	q	0.056	0.022	ng/g	☼	04/30/18 11:50	05/09/18 19:38	1
PCB-47	5.7	C44 B	0.17	0.016	ng/g	☼	04/30/18 11:50	05/09/18 19:38	1
PCB-48	1.1		0.056	0.017	ng/g	☼	04/30/18 11:50	05/09/18 19:38	1
PCB-49	3.6	C B	0.11	0.014	ng/g	☼	04/30/18 11:50	05/09/18 19:38	1

Client Sample ID: PDI-SG-B223-BL1
Date Collected: 04/19/18 16:15
Date Received: 04/20/18 13:00

Lab Sample ID: 580-76755-20
Matrix: Solid
Percent Solids: 44.3

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-50	0.71	C	0.11	0.018	ng/g	☼	04/30/18 11:50	05/09/18 19:38	1
PCB-51	0.97	C45	0.11	0.019	ng/g	☼	04/30/18 11:50	05/09/18 19:38	1
PCB-52	6.2	B	0.056	0.019	ng/g	☼	04/30/18 11:50	05/09/18 19:38	1
PCB-53	0.71	C50	0.11	0.018	ng/g	☼	04/30/18 11:50	05/09/18 19:38	1
PCB-54	ND		0.056	0.00082	ng/g	☼	04/30/18 11:50	05/09/18 19:38	1
PCB-55	0.10		0.056	0.012	ng/g	☼	04/30/18 11:50	05/09/18 19:38	1
PCB-56	2.4	B	0.056	0.012	ng/g	☼	04/30/18 11:50	05/09/18 19:38	1
PCB-57	ND		0.056	0.012	ng/g	☼	04/30/18 11:50	05/09/18 19:38	1
PCB-58	ND		0.056	0.012	ng/g	☼	04/30/18 11:50	05/09/18 19:38	1
PCB-59	0.47	C	0.17	0.012	ng/g	☼	04/30/18 11:50	05/09/18 19:38	1
PCB-60	0.87		0.056	0.012	ng/g	☼	04/30/18 11:50	05/09/18 19:38	1
PCB-61	7.5	C B	0.22	0.012	ng/g	☼	04/30/18 11:50	05/09/18 19:38	1
PCB-62	0.47	C59	0.17	0.012	ng/g	☼	04/30/18 11:50	05/09/18 19:38	1
PCB-63	0.18		0.056	0.011	ng/g	☼	04/30/18 11:50	05/09/18 19:38	1
PCB-64	2.3		0.056	0.011	ng/g	☼	04/30/18 11:50	05/09/18 19:38	1
PCB-65	5.7	C44 B	0.17	0.016	ng/g	☼	04/30/18 11:50	05/09/18 19:38	1
PCB-66	5.4		0.056	0.012	ng/g	☼	04/30/18 11:50	05/09/18 19:38	1
PCB-67	0.10	q	0.056	0.011	ng/g	☼	04/30/18 11:50	05/09/18 19:38	1
PCB-68	ND		0.056	0.011	ng/g	☼	04/30/18 11:50	05/09/18 19:38	1
PCB-69	3.6	C49 B	0.11	0.014	ng/g	☼	04/30/18 11:50	05/09/18 19:38	1
PCB-70	7.5	C61 B	0.22	0.012	ng/g	☼	04/30/18 11:50	05/09/18 19:38	1
PCB-71	2.9	C40	0.17	0.018	ng/g	☼	04/30/18 11:50	05/09/18 19:38	1
PCB-72	0.050	J	0.056	0.012	ng/g	☼	04/30/18 11:50	05/09/18 19:38	1
PCB-73	0.25	C43	0.11	0.016	ng/g	☼	04/30/18 11:50	05/09/18 19:38	1
PCB-74	7.5	C61 B	0.22	0.012	ng/g	☼	04/30/18 11:50	05/09/18 19:38	1
PCB-75	0.47	C59	0.17	0.012	ng/g	☼	04/30/18 11:50	05/09/18 19:38	1
PCB-76	7.5	C61 B	0.22	0.012	ng/g	☼	04/30/18 11:50	05/09/18 19:38	1
PCB-77	0.48		0.056	0.011	ng/g	☼	04/30/18 11:50	05/09/18 19:38	1
PCB-78	ND		0.056	0.012	ng/g	☼	04/30/18 11:50	05/09/18 19:38	1
PCB-79	0.053	J	0.056	0.010	ng/g	☼	04/30/18 11:50	05/09/18 19:38	1
PCB-80	ND		0.056	0.011	ng/g	☼	04/30/18 11:50	05/09/18 19:38	1
PCB-81	ND		0.056	0.011	ng/g	☼	04/30/18 11:50	05/09/18 19:38	1
PCB-82	0.93		0.056	0.012	ng/g	☼	04/30/18 11:50	05/09/18 19:38	1
PCB-83	3.2	C	0.11	0.011	ng/g	☼	04/30/18 11:50	05/09/18 19:38	1
PCB-84	1.3		0.056	0.012	ng/g	☼	04/30/18 11:50	05/09/18 19:38	1
PCB-85	1.0	C	0.17	0.0085	ng/g	☼	04/30/18 11:50	05/09/18 19:38	1
PCB-86	3.2	C B	0.34	0.0090	ng/g	☼	04/30/18 11:50	05/09/18 19:38	1
PCB-87	3.2	C86 B	0.34	0.0090	ng/g	☼	04/30/18 11:50	05/09/18 19:38	1
PCB-88	0.86	C	0.11	0.011	ng/g	☼	04/30/18 11:50	05/09/18 19:38	1
PCB-89	0.13		0.056	0.012	ng/g	☼	04/30/18 11:50	05/09/18 19:38	1
PCB-90	3.5	C	0.17	0.0091	ng/g	☼	04/30/18 11:50	05/09/18 19:38	1
PCB-91	0.86	C88	0.11	0.011	ng/g	☼	04/30/18 11:50	05/09/18 19:38	1
PCB-92	0.56	q	0.056	0.011	ng/g	☼	04/30/18 11:50	05/09/18 19:38	1
PCB-93	0.14	q C	0.11	0.011	ng/g	☼	04/30/18 11:50	05/09/18 19:38	1
PCB-94	ND		0.056	0.012	ng/g	☼	04/30/18 11:50	05/09/18 19:38	1
PCB-95	2.8	B	0.056	0.011	ng/g	☼	04/30/18 11:50	05/09/18 19:38	1
PCB-96	0.075		0.056	0.0086	ng/g	☼	04/30/18 11:50	05/09/18 19:38	1
PCB-97	3.2	C86 B	0.34	0.0090	ng/g	☼	04/30/18 11:50	05/09/18 19:38	1
PCB-98	0.31	C	0.11	0.011	ng/g	☼	04/30/18 11:50	05/09/18 19:38	1

Client Sample ID: PDI-SG-B223-BL1
Date Collected: 04/19/18 16:15
Date Received: 04/20/18 13:00

Lab Sample ID: 580-76755-20
Matrix: Solid
Percent Solids: 44.3

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-99	3.2	C83	0.11	0.011	ng/g	☼	04/30/18 11:50	05/09/18 19:38	1
PCB-100	0.14	q C93	0.11	0.011	ng/g	☼	04/30/18 11:50	05/09/18 19:38	1
PCB-101	3.5	C90	0.17	0.0091	ng/g	☼	04/30/18 11:50	05/09/18 19:38	1
PCB-102	0.31	C98	0.11	0.011	ng/g	☼	04/30/18 11:50	05/09/18 19:38	1
PCB-103	0.063	q	0.056	0.010	ng/g	☼	04/30/18 11:50	05/09/18 19:38	1
PCB-104	ND		0.056	0.0078	ng/g	☼	04/30/18 11:50	05/09/18 19:38	1
PCB-105	1.5		0.056	0.022	ng/g	☼	04/30/18 11:50	05/09/18 19:38	1
PCB-106	ND		0.056	0.023	ng/g	☼	04/30/18 11:50	05/09/18 19:38	1
PCB-107	0.29	q	0.056	0.022	ng/g	☼	04/30/18 11:50	05/09/18 19:38	1
PCB-108	0.15	C	0.11	0.023	ng/g	☼	04/30/18 11:50	05/09/18 19:38	1
PCB-109	3.2	C86 B	0.34	0.0090	ng/g	☼	04/30/18 11:50	05/09/18 19:38	1
PCB-110	4.3	C B	0.11	0.0074	ng/g	☼	04/30/18 11:50	05/09/18 19:38	1
PCB-111	ND		0.056	0.0069	ng/g	☼	04/30/18 11:50	05/09/18 19:38	1
PCB-112	ND		0.056	0.0076	ng/g	☼	04/30/18 11:50	05/09/18 19:38	1
PCB-113	3.5	C90	0.17	0.0091	ng/g	☼	04/30/18 11:50	05/09/18 19:38	1
PCB-114	0.17	q	0.056	0.021	ng/g	☼	04/30/18 11:50	05/09/18 19:38	1
PCB-115	4.3	C110 B	0.11	0.0074	ng/g	☼	04/30/18 11:50	05/09/18 19:38	1
PCB-116	1.0	C85	0.17	0.0085	ng/g	☼	04/30/18 11:50	05/09/18 19:38	1
PCB-117	1.0	C85	0.17	0.0085	ng/g	☼	04/30/18 11:50	05/09/18 19:38	1
PCB-118	3.2		0.056	0.022	ng/g	☼	04/30/18 11:50	05/09/18 19:38	1
PCB-119	3.2	C86 B	0.34	0.0090	ng/g	☼	04/30/18 11:50	05/09/18 19:38	1
PCB-120	0.020	J q B	0.056	0.0068	ng/g	☼	04/30/18 11:50	05/09/18 19:38	1
PCB-121	ND		0.056	0.0074	ng/g	☼	04/30/18 11:50	05/09/18 19:38	1
PCB-122	0.10		0.056	0.026	ng/g	☼	04/30/18 11:50	05/09/18 19:38	1
PCB-123	0.067	q	0.056	0.021	ng/g	☼	04/30/18 11:50	05/09/18 19:38	1
PCB-124	0.15	C108	0.11	0.023	ng/g	☼	04/30/18 11:50	05/09/18 19:38	1
PCB-125	3.2	C86 B	0.34	0.0090	ng/g	☼	04/30/18 11:50	05/09/18 19:38	1
PCB-126	ND		0.056	0.021	ng/g	☼	04/30/18 11:50	05/09/18 19:38	1
PCB-127	ND		0.056	0.022	ng/g	☼	04/30/18 11:50	05/09/18 19:38	1
PCB-128	0.81	C	0.11	0.035	ng/g	☼	04/30/18 11:50	05/09/18 19:38	1
PCB-129	2.4	C B	0.22	0.036	ng/g	☼	04/30/18 11:50	05/09/18 19:38	1
PCB-130	0.18		0.056	0.048	ng/g	☼	04/30/18 11:50	05/09/18 19:38	1
PCB-131	ND		0.056	0.048	ng/g	☼	04/30/18 11:50	05/09/18 19:38	1
PCB-132	0.73		0.056	0.047	ng/g	☼	04/30/18 11:50	05/09/18 19:38	1
PCB-133	ND		0.056	0.045	ng/g	☼	04/30/18 11:50	05/09/18 19:38	1
PCB-134	0.13	C	0.11	0.047	ng/g	☼	04/30/18 11:50	05/09/18 19:38	1
PCB-135	0.76	C	0.11	0.0032	ng/g	☼	04/30/18 11:50	05/09/18 19:38	1
PCB-136	0.19	q	0.056	0.0023	ng/g	☼	04/30/18 11:50	05/09/18 19:38	1
PCB-137	0.49	q	0.056	0.039	ng/g	☼	04/30/18 11:50	05/09/18 19:38	1
PCB-138	2.4	C129 B	0.22	0.036	ng/g	☼	04/30/18 11:50	05/09/18 19:38	1
PCB-139	0.15	C	0.11	0.040	ng/g	☼	04/30/18 11:50	05/09/18 19:38	1
PCB-140	0.15	C139	0.11	0.040	ng/g	☼	04/30/18 11:50	05/09/18 19:38	1
PCB-141	0.54		0.056	0.042	ng/g	☼	04/30/18 11:50	05/09/18 19:38	1
PCB-142	0.40		0.056	0.046	ng/g	☼	04/30/18 11:50	05/09/18 19:38	1
PCB-143	0.13	C134	0.11	0.047	ng/g	☼	04/30/18 11:50	05/09/18 19:38	1
PCB-144	0.15	q	0.056	0.0030	ng/g	☼	04/30/18 11:50	05/09/18 19:38	1
PCB-145	0.0082	J q	0.056	0.0023	ng/g	☼	04/30/18 11:50	05/09/18 19:38	1
PCB-146	0.34	B	0.056	0.038	ng/g	☼	04/30/18 11:50	05/09/18 19:38	1
PCB-147	1.8	C B	0.11	0.040	ng/g	☼	04/30/18 11:50	05/09/18 19:38	1

Client Sample ID: PDI-SG-B223-BL1
Date Collected: 04/19/18 16:15
Date Received: 04/20/18 13:00

Lab Sample ID: 580-76755-20
Matrix: Solid
Percent Solids: 44.3

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-148	ND		0.056	0.0031	ng/g	☼	04/30/18 11:50	05/09/18 19:38	1
PCB-149	**1.8**	**C147 B**	0.11	0.040	ng/g	☼	04/30/18 11:50	05/09/18 19:38	1
PCB-150	**0.0043**	**J q**	0.056	0.0021	ng/g	☼	04/30/18 11:50	05/09/18 19:38	1
PCB-151	**0.76**	**C135**	0.11	0.0032	ng/g	☼	04/30/18 11:50	05/09/18 19:38	1
PCB-152	**0.0088**	**J**	0.056	0.0022	ng/g	☼	04/30/18 11:50	05/09/18 19:38	1
PCB-153	**1.7**	**C B**	0.11	0.031	ng/g	☼	04/30/18 11:50	05/09/18 19:38	1
PCB-154	**0.045**	**J q**	0.056	0.0027	ng/g	☼	04/30/18 11:50	05/09/18 19:38	1
PCB-155	ND		0.056	0.0021	ng/g	☼	04/30/18 11:50	05/09/18 19:38	1
PCB-156	**0.29**	**C**	0.11	0.037	ng/g	☼	04/30/18 11:50	05/09/18 19:38	1
PCB-157	**0.29**	**C156**	0.11	0.037	ng/g	☼	04/30/18 11:50	05/09/18 19:38	1
PCB-158	**0.22**		0.056	0.028	ng/g	☼	04/30/18 11:50	05/09/18 19:38	1
PCB-159	ND		0.056	0.029	ng/g	☼	04/30/18 11:50	05/09/18 19:38	1
PCB-160	**2.4**	**C129 B**	0.22	0.036	ng/g	☼	04/30/18 11:50	05/09/18 19:38	1
PCB-161	ND		0.056	0.030	ng/g	☼	04/30/18 11:50	05/09/18 19:38	1
PCB-162	ND		0.056	0.028	ng/g	☼	04/30/18 11:50	05/09/18 19:38	1
PCB-163	**2.4**	**C129 B**	0.22	0.036	ng/g	☼	04/30/18 11:50	05/09/18 19:38	1
PCB-164	**0.12**		0.056	0.030	ng/g	☼	04/30/18 11:50	05/09/18 19:38	1
PCB-165	ND		0.056	0.034	ng/g	☼	04/30/18 11:50	05/09/18 19:38	1
PCB-166	**0.81**	**C128**	0.11	0.035	ng/g	☼	04/30/18 11:50	05/09/18 19:38	1
PCB-167	**0.16**		0.056	0.022	ng/g	☼	04/30/18 11:50	05/09/18 19:38	1
PCB-168	**1.7**	**C153 B**	0.11	0.031	ng/g	☼	04/30/18 11:50	05/09/18 19:38	1
PCB-169	ND		0.056	0.022	ng/g	☼	04/30/18 11:50	05/09/18 19:38	1
PCB-170	**1.2**		0.056	0.016	ng/g	☼	04/30/18 11:50	05/09/18 19:38	1
PCB-171	**0.86**	**q C**	0.11	0.015	ng/g	☼	04/30/18 11:50	05/09/18 19:38	1
PCB-172	**0.29**		0.056	0.015	ng/g	☼	04/30/18 11:50	05/09/18 19:38	1
PCB-173	**0.86**	**q C171**	0.11	0.015	ng/g	☼	04/30/18 11:50	05/09/18 19:38	1
PCB-174	**1.1**		0.056	0.016	ng/g	☼	04/30/18 11:50	05/09/18 19:38	1
PCB-175	**0.068**	**q**	0.056	0.014	ng/g	☼	04/30/18 11:50	05/09/18 19:38	1
PCB-176	**0.13**		0.056	0.0099	ng/g	☼	04/30/18 11:50	05/09/18 19:38	1
PCB-177	**0.61**		0.056	0.016	ng/g	☼	04/30/18 11:50	05/09/18 19:38	1
PCB-178	**0.18**	**q**	0.056	0.015	ng/g	☼	04/30/18 11:50	05/09/18 19:38	1
PCB-179	**0.32**		0.056	0.011	ng/g	☼	04/30/18 11:50	05/09/18 19:38	1
PCB-180	**1.6**	**C**	0.11	0.012	ng/g	☼	04/30/18 11:50	05/09/18 19:38	1
PCB-181	**2.1**		0.056	0.014	ng/g	☼	04/30/18 11:50	05/09/18 19:38	1
PCB-182	**0.026**	**J q**	0.056	0.013	ng/g	☼	04/30/18 11:50	05/09/18 19:38	1
PCB-183	**1.6**	**C**	0.11	0.013	ng/g	☼	04/30/18 11:50	05/09/18 19:38	1
PCB-184	**0.017**	**J q**	0.056	0.011	ng/g	☼	04/30/18 11:50	05/09/18 19:38	1
PCB-185	**1.6**	**C183**	0.11	0.013	ng/g	☼	04/30/18 11:50	05/09/18 19:38	1
PCB-186	**0.044**	**J q S**	0.056	0.011	ng/g	☼	04/30/18 11:50	05/09/18 19:38	1
PCB-187	**0.82**		0.056	0.013	ng/g	☼	04/30/18 11:50	05/09/18 19:38	1
PCB-188	ND		0.056	0.0096	ng/g	☼	04/30/18 11:50	05/09/18 19:38	1
PCB-189	**0.022**	**J q**	0.056	0.021	ng/g	☼	04/30/18 11:50	05/09/18 19:38	1
PCB-190	**0.53**		0.056	0.010	ng/g	☼	04/30/18 11:50	05/09/18 19:38	1
PCB-191	**0.18**	**q**	0.056	0.010	ng/g	☼	04/30/18 11:50	05/09/18 19:38	1
PCB-192	**0.028**	**J q**	0.056	0.011	ng/g	☼	04/30/18 11:50	05/09/18 19:38	1
PCB-193	**1.6**	**C180**	0.11	0.012	ng/g	☼	04/30/18 11:50	05/09/18 19:38	1
PCB-194	**0.65**	**G**	0.070	0.070	ng/g	☼	04/30/18 11:50	05/09/18 19:38	1
PCB-195	**3.6**	**G**	0.079	0.079	ng/g	☼	04/30/18 11:50	05/09/18 19:38	1
PCB-196	**0.50**		0.056	0.026	ng/g	☼	04/30/18 11:50	05/09/18 19:38	1

Client Sample ID: PDI-SG-B223-BL1
Date Collected: 04/19/18 16:15
Date Received: 04/20/18 13:00

Lab Sample ID: 580-76755-20
Matrix: Solid
Percent Solids: 44.3

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-197	0.10	q	0.056	0.018	ng/g	☼	04/30/18 11:50	05/09/18 19:38	1
PCB-198	1.2	q C B	0.11	0.027	ng/g	☼	04/30/18 11:50	05/09/18 19:38	1
PCB-199	1.2	q C198 B	0.11	0.027	ng/g	☼	04/30/18 11:50	05/09/18 19:38	1
PCB-200	0.46		0.056	0.019	ng/g	☼	04/30/18 11:50	05/09/18 19:38	1
PCB-201	0.21		0.056	0.019	ng/g	☼	04/30/18 11:50	05/09/18 19:38	1
PCB-202	0.24		0.056	0.021	ng/g	☼	04/30/18 11:50	05/09/18 19:38	1
PCB-203	1.9		0.056	0.024	ng/g	☼	04/30/18 11:50	05/09/18 19:38	1
PCB-204	0.089	q	0.056	0.019	ng/g	☼	04/30/18 11:50	05/09/18 19:38	1
PCB-205	0.19	q	0.056	0.053	ng/g	☼	04/30/18 11:50	05/09/18 19:38	1
PCB-206	2.9	G	0.094	0.094	ng/g	☼	04/30/18 11:50	05/09/18 19:38	1
PCB-207	0.82	G	0.066	0.066	ng/g	☼	04/30/18 11:50	05/09/18 19:38	1
PCB-208	0.94	G	0.074	0.074	ng/g	☼	04/30/18 11:50	05/09/18 19:38	1
PCB-209	5.8		0.056	0.026	ng/g	☼	04/30/18 11:50	05/09/18 19:38	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
PCB-1L	*71*		*30 - 140*	*04/30/18 11:50*	*05/09/18 19:38*	*1*
PCB-3L	*75*		*30 - 140*	*04/30/18 11:50*	*05/09/18 19:38*	*1*
PCB-4L	*77*		*30 - 140*	*04/30/18 11:50*	*05/09/18 19:38*	*1*
PCB-15L	*76*		*30 - 140*	*04/30/18 11:50*	*05/09/18 19:38*	*1*
PCB-19L	*84*		*30 - 140*	*04/30/18 11:50*	*05/09/18 19:38*	*1*
PCB-37L	*85*		*30 - 140*	*04/30/18 11:50*	*05/09/18 19:38*	*1*
PCB-54L	*107*		*30 - 140*	*04/30/18 11:50*	*05/09/18 19:38*	*1*
PCB-77L	*92*		*30 - 140*	*04/30/18 11:50*	*05/09/18 19:38*	*1*
PCB-81L	*91*		*30 - 140*	*04/30/18 11:50*	*05/09/18 19:38*	*1*
PCB-104L	*90*		*30 - 140*	*04/30/18 11:50*	*05/09/18 19:38*	*1*
PCB-105L	*86*		*30 - 140*	*04/30/18 11:50*	*05/09/18 19:38*	*1*
PCB-114L	*83*		*30 - 140*	*04/30/18 11:50*	*05/09/18 19:38*	*1*
PCB-118L	*85*		*30 - 140*	*04/30/18 11:50*	*05/09/18 19:38*	*1*
PCB-123L	*88*		*30 - 140*	*04/30/18 11:50*	*05/09/18 19:38*	*1*
PCB-126L	*90*		*30 - 140*	*04/30/18 11:50*	*05/09/18 19:38*	*1*
PCB-155L	*103*		*30 - 140*	*04/30/18 11:50*	*05/09/18 19:38*	*1*
PCB-156L	*91*	*C*	*30 - 140*	*04/30/18 11:50*	*05/09/18 19:38*	*1*
PCB-157L	*91*	*C156*	*30 - 140*	*04/30/18 11:50*	*05/09/18 19:38*	*1*
PCB-167L	*89*		*30 - 140*	*04/30/18 11:50*	*05/09/18 19:38*	*1*
PCB-169L	*88*		*30 - 140*	*04/30/18 11:50*	*05/09/18 19:38*	*1*
PCB-170L	*82*		*30 - 140*	*04/30/18 11:50*	*05/09/18 19:38*	*1*
PCB-188L	*87*		*30 - 140*	*04/30/18 11:50*	*05/09/18 19:38*	*1*
PCB-189L	*103*		*30 - 140*	*04/30/18 11:50*	*05/09/18 19:38*	*1*
PCB-202L	*95*		*30 - 140*	*04/30/18 11:50*	*05/09/18 19:38*	*1*
PCB-205L	*81*		*30 - 140*	*04/30/18 11:50*	*05/09/18 19:38*	*1*
PCB-206L	*77*		*30 - 140*	*04/30/18 11:50*	*05/09/18 19:38*	*1*
PCB-208L	*73*		*30 - 140*	*04/30/18 11:50*	*05/09/18 19:38*	*1*
PCB-209L	*68*		*30 - 140*	*04/30/18 11:50*	*05/09/18 19:38*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
PCB-28L	*81*		*40 - 125*	*04/30/18 11:50*	*05/09/18 19:38*	*1*
PCB-111L	*91*		*40 - 125*	*04/30/18 11:50*	*05/09/18 19:38*	*1*
PCB-178L	*83*		*40 - 125*	*04/30/18 11:50*	*05/09/18 19:38*	*1*

Client Sample ID: PDI-SG-B224-BL1
Date Collected: 04/19/18 16:20
Date Received: 04/20/18 13:00

Lab Sample ID: 580-76755-21
Matrix: Solid
Percent Solids: 42.4

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1	0.0051	J B	0.012	0.00028	ng/g	☼	04/30/18 11:50	05/09/18 20:41	1
PCB-2	0.0073	J B	0.012	0.00032	ng/g	☼	04/30/18 11:50	05/09/18 20:41	1
PCB-3	0.0050	J q	0.012	0.00038	ng/g	☼	04/30/18 11:50	05/09/18 20:41	1
PCB-4	0.021	J q	0.023	0.0012	ng/g	☼	04/30/18 11:50	05/09/18 20:41	1
PCB-5	ND		0.012	0.00082	ng/g	☼	04/30/18 11:50	05/09/18 20:41	1
PCB-6	0.0029	J q	0.012	0.00081	ng/g	☼	04/30/18 11:50	05/09/18 20:41	1
PCB-7	ND		0.012	0.00077	ng/g	☼	04/30/18 11:50	05/09/18 20:41	1
PCB-8	0.014	J B	0.023	0.00080	ng/g	☼	04/30/18 11:50	05/09/18 20:41	1
PCB-9	0.0022	J q B	0.012	0.00090	ng/g	☼	04/30/18 11:50	05/09/18 20:41	1
PCB-10	ND		0.012	0.00088	ng/g	☼	04/30/18 11:50	05/09/18 20:41	1
PCB-11	0.043	B	0.023	0.00075	ng/g	☼	04/30/18 11:50	05/09/18 20:41	1
PCB-12	0.0025	J C	0.023	0.00075	ng/g	☼	04/30/18 11:50	05/09/18 20:41	1
PCB-13	0.0025	J C12	0.023	0.00075	ng/g	☼	04/30/18 11:50	05/09/18 20:41	1
PCB-14	ND		0.012	0.00069	ng/g	☼	04/30/18 11:50	05/09/18 20:41	1
PCB-15	0.0080	J q	0.012	0.00079	ng/g	☼	04/30/18 11:50	05/09/18 20:41	1
PCB-16	0.0093	J q	0.012	0.00055	ng/g	☼	04/30/18 11:50	05/09/18 20:41	1
PCB-17	0.014	q	0.012	0.00042	ng/g	☼	04/30/18 11:50	05/09/18 20:41	1
PCB-18	0.029	C	0.023	0.00037	ng/g	☼	04/30/18 11:50	05/09/18 20:41	1
PCB-19	0.017	q	0.012	0.00052	ng/g	☼	04/30/18 11:50	05/09/18 20:41	1
PCB-20	0.063	C B	0.023	0.0013	ng/g	☼	04/30/18 11:50	05/09/18 20:41	1
PCB-21	0.021	J q C B	0.023	0.0012	ng/g	☼	04/30/18 11:50	05/09/18 20:41	1
PCB-22	0.016	B	0.012	0.0014	ng/g	☼	04/30/18 11:50	05/09/18 20:41	1
PCB-23	ND		0.012	0.0013	ng/g	☼	04/30/18 11:50	05/09/18 20:41	1
PCB-24	ND		0.012	0.00032	ng/g	☼	04/30/18 11:50	05/09/18 20:41	1
PCB-25	0.0084	J q	0.012	0.0013	ng/g	☼	04/30/18 11:50	05/09/18 20:41	1
PCB-26	0.014	J C	0.023	0.0013	ng/g	☼	04/30/18 11:50	05/09/18 20:41	1
PCB-27	0.0044	J q	0.012	0.00031	ng/g	☼	04/30/18 11:50	05/09/18 20:41	1
PCB-28	0.063	C20 B	0.023	0.0013	ng/g	☼	04/30/18 11:50	05/09/18 20:41	1
PCB-29	0.014	J C26	0.023	0.0013	ng/g	☼	04/30/18 11:50	05/09/18 20:41	1
PCB-30	0.029	C18	0.023	0.00037	ng/g	☼	04/30/18 11:50	05/09/18 20:41	1
PCB-31	0.050	B	0.023	0.0012	ng/g	☼	04/30/18 11:50	05/09/18 20:41	1
PCB-32	0.013	q	0.012	0.00029	ng/g	☼	04/30/18 11:50	05/09/18 20:41	1
PCB-33	0.021	J q C21 B	0.023	0.0012	ng/g	☼	04/30/18 11:50	05/09/18 20:41	1
PCB-34	ND		0.012	0.0014	ng/g	☼	04/30/18 11:50	05/09/18 20:41	1
PCB-35	ND		0.012	0.0013	ng/g	☼	04/30/18 11:50	05/09/18 20:41	1
PCB-36	ND		0.012	0.0012	ng/g	☼	04/30/18 11:50	05/09/18 20:41	1
PCB-37	0.018	q B	0.012	0.0012	ng/g	☼	04/30/18 11:50	05/09/18 20:41	1
PCB-38	ND		0.012	0.0013	ng/g	☼	04/30/18 11:50	05/09/18 20:41	1
PCB-39	ND		0.012	0.0012	ng/g	☼	04/30/18 11:50	05/09/18 20:41	1
PCB-40	0.033	J q C	0.035	0.0036	ng/g	☼	04/30/18 11:50	05/09/18 20:41	1
PCB-41	0.033	J q C40	0.035	0.0036	ng/g	☼	04/30/18 11:50	05/09/18 20:41	1
PCB-42	0.017	q	0.012	0.0036	ng/g	☼	04/30/18 11:50	05/09/18 20:41	1
PCB-43	0.0059	J q C	0.023	0.0033	ng/g	☼	04/30/18 11:50	05/09/18 20:41	1
PCB-44	0.13	C B	0.035	0.0032	ng/g	☼	04/30/18 11:50	05/09/18 20:41	1
PCB-45	0.030	q C	0.023	0.0038	ng/g	☼	04/30/18 11:50	05/09/18 20:41	1
PCB-46	ND		0.012	0.0044	ng/g	☼	04/30/18 11:50	05/09/18 20:41	1
PCB-47	0.13	C44 B	0.035	0.0032	ng/g	☼	04/30/18 11:50	05/09/18 20:41	1
PCB-48	0.011	J q	0.012	0.0034	ng/g	☼	04/30/18 11:50	05/09/18 20:41	1
PCB-49	0.082	C B	0.023	0.0029	ng/g	☼	04/30/18 11:50	05/09/18 20:41	1

Client Sample ID: PDI-SG-B224-BL1
Date Collected: 04/19/18 16:20
Date Received: 04/20/18 13:00

Lab Sample ID: 580-76755-21
Matrix: Solid
Percent Solids: 42.4

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-50	0.030	C	0.023	0.0036	ng/g	☼	04/30/18 11:50	05/09/18 20:41	1
PCB-51	0.030	q C45	0.023	0.0038	ng/g	☼	04/30/18 11:50	05/09/18 20:41	1
PCB-52	0.20	B	0.012	0.0038	ng/g	☼	04/30/18 11:50	05/09/18 20:41	1
PCB-53	0.030	C50	0.023	0.0036	ng/g	☼	04/30/18 11:50	05/09/18 20:41	1
PCB-54	0.0033	J q	0.012	0.00018	ng/g	☼	04/30/18 11:50	05/09/18 20:41	1
PCB-55	ND		0.012	0.0025	ng/g	☼	04/30/18 11:50	05/09/18 20:41	1
PCB-56	0.038	B	0.012	0.0025	ng/g	☼	04/30/18 11:50	05/09/18 20:41	1
PCB-57	ND		0.012	0.0025	ng/g	☼	04/30/18 11:50	05/09/18 20:41	1
PCB-58	ND		0.012	0.0024	ng/g	☼	04/30/18 11:50	05/09/18 20:41	1
PCB-59	0.0054	J q C	0.035	0.0024	ng/g	☼	04/30/18 11:50	05/09/18 20:41	1
PCB-60	0.015	q	0.012	0.0025	ng/g	☼	04/30/18 11:50	05/09/18 20:41	1
PCB-61	0.20	C B	0.047	0.0024	ng/g	☼	04/30/18 11:50	05/09/18 20:41	1
PCB-62	0.0054	J q C59	0.035	0.0024	ng/g	☼	04/30/18 11:50	05/09/18 20:41	1
PCB-63	0.0039	J	0.012	0.0022	ng/g	☼	04/30/18 11:50	05/09/18 20:41	1
PCB-64	0.029		0.012	0.0023	ng/g	☼	04/30/18 11:50	05/09/18 20:41	1
PCB-65	0.13	C44 B	0.035	0.0032	ng/g	☼	04/30/18 11:50	05/09/18 20:41	1
PCB-66	0.11		0.012	0.0024	ng/g	☼	04/30/18 11:50	05/09/18 20:41	1
PCB-67	ND		0.012	0.0023	ng/g	☼	04/30/18 11:50	05/09/18 20:41	1
PCB-68	ND		0.012	0.0022	ng/g	☼	04/30/18 11:50	05/09/18 20:41	1
PCB-69	0.082	C49 B	0.023	0.0029	ng/g	☼	04/30/18 11:50	05/09/18 20:41	1
PCB-70	0.20	C61 B	0.047	0.0024	ng/g	☼	04/30/18 11:50	05/09/18 20:41	1
PCB-71	0.033	J q C40	0.035	0.0036	ng/g	☼	04/30/18 11:50	05/09/18 20:41	1
PCB-72	ND		0.012	0.0025	ng/g	☼	04/30/18 11:50	05/09/18 20:41	1
PCB-73	0.0059	J q C43	0.023	0.0033	ng/g	☼	04/30/18 11:50	05/09/18 20:41	1
PCB-74	0.20	C61 B	0.047	0.0024	ng/g	☼	04/30/18 11:50	05/09/18 20:41	1
PCB-75	0.0054	J q C59	0.035	0.0024	ng/g	☼	04/30/18 11:50	05/09/18 20:41	1
PCB-76	0.20	C61 B	0.047	0.0024	ng/g	☼	04/30/18 11:50	05/09/18 20:41	1
PCB-77	0.0098	J	0.012	0.0023	ng/g	☼	04/30/18 11:50	05/09/18 20:41	1
PCB-78	ND		0.012	0.0024	ng/g	☼	04/30/18 11:50	05/09/18 20:41	1
PCB-79	0.0026	J	0.012	0.0021	ng/g	☼	04/30/18 11:50	05/09/18 20:41	1
PCB-80	ND		0.012	0.0021	ng/g	☼	04/30/18 11:50	05/09/18 20:41	1
PCB-81	ND		0.012	0.0023	ng/g	☼	04/30/18 11:50	05/09/18 20:41	1
PCB-82	0.042	q	0.012	0.0019	ng/g	☼	04/30/18 11:50	05/09/18 20:41	1
PCB-83	0.28	C	0.023	0.0018	ng/g	☼	04/30/18 11:50	05/09/18 20:41	1
PCB-84	0.12		0.012	0.0020	ng/g	☼	04/30/18 11:50	05/09/18 20:41	1
PCB-85	0.063	C	0.035	0.0014	ng/g	☼	04/30/18 11:50	05/09/18 20:41	1
PCB-86	0.38	C B	0.070	0.0015	ng/g	☼	04/30/18 11:50	05/09/18 20:41	1
PCB-87	0.38	C86 B	0.070	0.0015	ng/g	☼	04/30/18 11:50	05/09/18 20:41	1
PCB-88	0.056	q C	0.023	0.0017	ng/g	☼	04/30/18 11:50	05/09/18 20:41	1
PCB-89	ND		0.012	0.0019	ng/g	☼	04/30/18 11:50	05/09/18 20:41	1
PCB-90	1.7	C	0.035	0.0015	ng/g	☼	04/30/18 11:50	05/09/18 20:41	1
PCB-91	0.056	q C88	0.023	0.0017	ng/g	☼	04/30/18 11:50	05/09/18 20:41	1
PCB-92	0.21		0.012	0.0018	ng/g	☼	04/30/18 11:50	05/09/18 20:41	1
PCB-93	0.014	J q C	0.023	0.0018	ng/g	☼	04/30/18 11:50	05/09/18 20:41	1
PCB-94	ND		0.012	0.0019	ng/g	☼	04/30/18 11:50	05/09/18 20:41	1
PCB-95	1.1	B	0.012	0.0018	ng/g	☼	04/30/18 11:50	05/09/18 20:41	1
PCB-96	ND		0.012	0.0014	ng/g	☼	04/30/18 11:50	05/09/18 20:41	1
PCB-97	0.38	C86 B	0.070	0.0015	ng/g	☼	04/30/18 11:50	05/09/18 20:41	1
PCB-98	0.019	J C	0.023	0.0018	ng/g	☼	04/30/18 11:50	05/09/18 20:41	1

Client Sample ID: PDI-SG-B224-BL1
Date Collected: 04/19/18 16:20
Date Received: 04/20/18 13:00

Lab Sample ID: 580-76755-21
Matrix: Solid
Percent Solids: 42.4

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-99	0.28	C83	0.023	0.0018	ng/g	☼	04/30/18 11:50	05/09/18 20:41	1
PCB-100	0.014	J q C93	0.023	0.0018	ng/g	☼	04/30/18 11:50	05/09/18 20:41	1
PCB-101	1.7	C90	0.035	0.0015	ng/g	☼	04/30/18 11:50	05/09/18 20:41	1
PCB-102	0.019	J C98	0.023	0.0018	ng/g	☼	04/30/18 11:50	05/09/18 20:41	1
PCB-103	ND		0.012	0.0016	ng/g	☼	04/30/18 11:50	05/09/18 20:41	1
PCB-104	ND		0.012	0.0013	ng/g	☼	04/30/18 11:50	05/09/18 20:41	1
PCB-105	0.17		0.012	0.0031	ng/g	☼	04/30/18 11:50	05/09/18 20:41	1
PCB-106	ND		0.012	0.0032	ng/g	☼	04/30/18 11:50	05/09/18 20:41	1
PCB-107	0.035		0.012	0.0032	ng/g	☼	04/30/18 11:50	05/09/18 20:41	1
PCB-108	0.020	J C	0.023	0.0033	ng/g	☼	04/30/18 11:50	05/09/18 20:41	1
PCB-109	0.38	C86 B	0.070	0.0015	ng/g	☼	04/30/18 11:50	05/09/18 20:41	1
PCB-110	0.93	C B	0.023	0.0012	ng/g	☼	04/30/18 11:50	05/09/18 20:41	1
PCB-111	ND		0.012	0.0011	ng/g	☼	04/30/18 11:50	05/09/18 20:41	1
PCB-112	ND		0.012	0.0012	ng/g	☼	04/30/18 11:50	05/09/18 20:41	1
PCB-113	1.7	C90	0.035	0.0015	ng/g	☼	04/30/18 11:50	05/09/18 20:41	1
PCB-114	0.011	J	0.012	0.0029	ng/g	☼	04/30/18 11:50	05/09/18 20:41	1
PCB-115	0.93	C110 B	0.023	0.0012	ng/g	☼	04/30/18 11:50	05/09/18 20:41	1
PCB-116	0.063	C85	0.035	0.0014	ng/g	☼	04/30/18 11:50	05/09/18 20:41	1
PCB-117	0.063	C85	0.035	0.0014	ng/g	☼	04/30/18 11:50	05/09/18 20:41	1
PCB-118	0.59		0.012	0.0030	ng/g	☼	04/30/18 11:50	05/09/18 20:41	1
PCB-119	0.38	C86 B	0.070	0.0015	ng/g	☼	04/30/18 11:50	05/09/18 20:41	1
PCB-120	0.0046	J q B	0.012	0.0011	ng/g	☼	04/30/18 11:50	05/09/18 20:41	1
PCB-121	ND		0.012	0.0012	ng/g	☼	04/30/18 11:50	05/09/18 20:41	1
PCB-122	ND		0.012	0.0036	ng/g	☼	04/30/18 11:50	05/09/18 20:41	1
PCB-123	0.0054	J q	0.012	0.0029	ng/g	☼	04/30/18 11:50	05/09/18 20:41	1
PCB-124	0.020	J C108	0.023	0.0033	ng/g	☼	04/30/18 11:50	05/09/18 20:41	1
PCB-125	0.38	C86 B	0.070	0.0015	ng/g	☼	04/30/18 11:50	05/09/18 20:41	1
PCB-126	ND		0.012	0.0031	ng/g	☼	04/30/18 11:50	05/09/18 20:41	1
PCB-127	ND		0.012	0.0031	ng/g	☼	04/30/18 11:50	05/09/18 20:41	1
PCB-128	0.44	C	0.023	0.0055	ng/g	☼	04/30/18 11:50	05/09/18 20:41	1
PCB-129	5.3	C B	0.047	0.0056	ng/g	☼	04/30/18 11:50	05/09/18 20:41	1
PCB-130	0.19		0.012	0.0075	ng/g	☼	04/30/18 11:50	05/09/18 20:41	1
PCB-131	ND		0.012	0.0076	ng/g	☼	04/30/18 11:50	05/09/18 20:41	1
PCB-132	1.4		0.012	0.0073	ng/g	☼	04/30/18 11:50	05/09/18 20:41	1
PCB-133	0.058		0.012	0.0070	ng/g	☼	04/30/18 11:50	05/09/18 20:41	1
PCB-134	0.25	C	0.023	0.0074	ng/g	☼	04/30/18 11:50	05/09/18 20:41	1
PCB-135	2.2	C	0.023	0.0026	ng/g	☼	04/30/18 11:50	05/09/18 20:41	1
PCB-136	0.71		0.012	0.0019	ng/g	☼	04/30/18 11:50	05/09/18 20:41	1
PCB-137	0.036	q	0.012	0.0061	ng/g	☼	04/30/18 11:50	05/09/18 20:41	1
PCB-138	5.3	C129 B	0.047	0.0056	ng/g	☼	04/30/18 11:50	05/09/18 20:41	1
PCB-139	ND	C	0.023	0.0063	ng/g	☼	04/30/18 11:50	05/09/18 20:41	1
PCB-140	ND	C139	0.023	0.0063	ng/g	☼	04/30/18 11:50	05/09/18 20:41	1
PCB-141	1.6		0.012	0.0065	ng/g	☼	04/30/18 11:50	05/09/18 20:41	1
PCB-142	ND		0.012	0.0071	ng/g	☼	04/30/18 11:50	05/09/18 20:41	1
PCB-143	0.25	C134	0.023	0.0074	ng/g	☼	04/30/18 11:50	05/09/18 20:41	1
PCB-144	0.33		0.012	0.0025	ng/g	☼	04/30/18 11:50	05/09/18 20:41	1
PCB-145	ND		0.012	0.0019	ng/g	☼	04/30/18 11:50	05/09/18 20:41	1
PCB-146	0.70	B	0.012	0.0059	ng/g	☼	04/30/18 11:50	05/09/18 20:41	1
PCB-147	4.8	C B	0.023	0.0063	ng/g	☼	04/30/18 11:50	05/09/18 20:41	1

Client Sample ID: PDI-SG-B224-BL1
Date Collected: 04/19/18 16:20
Date Received: 04/20/18 13:00

Lab Sample ID: 580-76755-21
Matrix: Solid
Percent Solids: 42.4

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-148	ND		0.012	0.0025	ng/g	☼	04/30/18 11:50	05/09/18 20:41	1
PCB-149	**4.8**	**C147 B**	0.023	0.0063	ng/g	☼	04/30/18 11:50	05/09/18 20:41	1
PCB-150	**0.0026**	**J q**	0.012	0.0017	ng/g	☼	04/30/18 11:50	05/09/18 20:41	1
PCB-151	**2.2**	**C135**	0.023	0.0026	ng/g	☼	04/30/18 11:50	05/09/18 20:41	1
PCB-152	ND		0.012	0.0018	ng/g	☼	04/30/18 11:50	05/09/18 20:41	1
PCB-153	**5.5**	**C B**	0.023	0.0049	ng/g	☼	04/30/18 11:50	05/09/18 20:41	1
PCB-154	**0.015**		0.012	0.0022	ng/g	☼	04/30/18 11:50	05/09/18 20:41	1
PCB-155	ND		0.012	0.0017	ng/g	☼	04/30/18 11:50	05/09/18 20:41	1
PCB-156	**0.35**	**C**	0.023	0.0059	ng/g	☼	04/30/18 11:50	05/09/18 20:41	1
PCB-157	**0.35**	**C156**	0.023	0.0059	ng/g	☼	04/30/18 11:50	05/09/18 20:41	1
PCB-158	**0.53**		0.012	0.0043	ng/g	☼	04/30/18 11:50	05/09/18 20:41	1
PCB-159	**0.11**		0.012	0.0045	ng/g	☼	04/30/18 11:50	05/09/18 20:41	1
PCB-160	**5.3**	**C129 B**	0.047	0.0056	ng/g	☼	04/30/18 11:50	05/09/18 20:41	1
PCB-161	ND		0.012	0.0046	ng/g	☼	04/30/18 11:50	05/09/18 20:41	1
PCB-162	ND		0.012	0.0044	ng/g	☼	04/30/18 11:50	05/09/18 20:41	1
PCB-163	**5.3**	**C129 B**	0.047	0.0056	ng/g	☼	04/30/18 11:50	05/09/18 20:41	1
PCB-164	**0.39**		0.012	0.0048	ng/g	☼	04/30/18 11:50	05/09/18 20:41	1
PCB-165	ND		0.012	0.0053	ng/g	☼	04/30/18 11:50	05/09/18 20:41	1
PCB-166	**0.44**	**C128**	0.023	0.0055	ng/g	☼	04/30/18 11:50	05/09/18 20:41	1
PCB-167	**0.12**		0.012	0.0033	ng/g	☼	04/30/18 11:50	05/09/18 20:41	1
PCB-168	**5.5**	**C153 B**	0.023	0.0049	ng/g	☼	04/30/18 11:50	05/09/18 20:41	1
PCB-169	ND		0.012	0.0035	ng/g	☼	04/30/18 11:50	05/09/18 20:41	1
PCB-170	**2.8**		0.012	0.0032	ng/g	☼	04/30/18 11:50	05/09/18 20:41	1
PCB-171	**0.91**	**C**	0.023	0.0031	ng/g	☼	04/30/18 11:50	05/09/18 20:41	1
PCB-172	**0.49**		0.012	0.0030	ng/g	☼	04/30/18 11:50	05/09/18 20:41	1
PCB-173	**0.91**	**C171**	0.023	0.0031	ng/g	☼	04/30/18 11:50	05/09/18 20:41	1
PCB-174	**3.3**		0.012	0.0031	ng/g	☼	04/30/18 11:50	05/09/18 20:41	1
PCB-175	**0.13**		0.012	0.0028	ng/g	☼	04/30/18 11:50	05/09/18 20:41	1
PCB-176	**0.37**		0.012	0.0020	ng/g	☼	04/30/18 11:50	05/09/18 20:41	1
PCB-177	**1.7**		0.012	0.0031	ng/g	☼	04/30/18 11:50	05/09/18 20:41	1
PCB-178	**0.56**		0.012	0.0029	ng/g	☼	04/30/18 11:50	05/09/18 20:41	1
PCB-179	**1.3**		0.012	0.0022	ng/g	☼	04/30/18 11:50	05/09/18 20:41	1
PCB-180	**6.4**	**C**	0.023	0.0023	ng/g	☼	04/30/18 11:50	05/09/18 20:41	1
PCB-181	ND		0.012	0.0027	ng/g	☼	04/30/18 11:50	05/09/18 20:41	1
PCB-182	ND		0.012	0.0026	ng/g	☼	04/30/18 11:50	05/09/18 20:41	1
PCB-183	**2.1**	**C**	0.023	0.0026	ng/g	☼	04/30/18 11:50	05/09/18 20:41	1
PCB-184	ND		0.012	0.0022	ng/g	☼	04/30/18 11:50	05/09/18 20:41	1
PCB-185	**2.1**	**C183**	0.023	0.0026	ng/g	☼	04/30/18 11:50	05/09/18 20:41	1
PCB-186	ND		0.012	0.0021	ng/g	☼	04/30/18 11:50	05/09/18 20:41	1
PCB-187	**3.5**		0.012	0.0027	ng/g	☼	04/30/18 11:50	05/09/18 20:41	1
PCB-188	ND		0.012	0.0019	ng/g	☼	04/30/18 11:50	05/09/18 20:41	1
PCB-189	**0.087**		0.012	0.0020	ng/g	☼	04/30/18 11:50	05/09/18 20:41	1
PCB-190	**0.58**		0.012	0.0020	ng/g	☼	04/30/18 11:50	05/09/18 20:41	1
PCB-191	**0.12**	**q**	0.012	0.0020	ng/g	☼	04/30/18 11:50	05/09/18 20:41	1
PCB-192	ND		0.012	0.0021	ng/g	☼	04/30/18 11:50	05/09/18 20:41	1
PCB-193	**6.4**	**C180**	0.023	0.0023	ng/g	☼	04/30/18 11:50	05/09/18 20:41	1
PCB-194	**1.3**		0.012	0.0071	ng/g	☼	04/30/18 11:50	05/09/18 20:41	1
PCB-195	**0.61**		0.012	0.0080	ng/g	☼	04/30/18 11:50	05/09/18 20:41	1
PCB-196	**0.66**		0.012	0.0029	ng/g	☼	04/30/18 11:50	05/09/18 20:41	1

Client Sample ID: PDI-SG-B224-BL1
Date Collected: 04/19/18 16:20
Date Received: 04/20/18 13:00

Lab Sample ID: 580-76755-21
Matrix: Solid
Percent Solids: 42.4

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-197	0.053		0.012	0.0020	ng/g	☼	04/30/18 11:50	05/09/18 20:41	1
PCB-198	1.2	C B	0.023	0.0030	ng/g	☼	04/30/18 11:50	05/09/18 20:41	1
PCB-199	1.2	C198 B	0.023	0.0030	ng/g	☼	04/30/18 11:50	05/09/18 20:41	1
PCB-200	0.15		0.012	0.0022	ng/g	☼	04/30/18 11:50	05/09/18 20:41	1
PCB-201	0.15		0.012	0.0021	ng/g	☼	04/30/18 11:50	05/09/18 20:41	1
PCB-202	0.20		0.012	0.0024	ng/g	☼	04/30/18 11:50	05/09/18 20:41	1
PCB-203	0.74		0.012	0.0027	ng/g	☼	04/30/18 11:50	05/09/18 20:41	1
PCB-204	ND		0.012	0.0022	ng/g	☼	04/30/18 11:50	05/09/18 20:41	1
PCB-205	0.074		0.012	0.0054	ng/g	☼	04/30/18 11:50	05/09/18 20:41	1
PCB-206	0.25		0.012	0.0029	ng/g	☼	04/30/18 11:50	05/09/18 20:41	1
PCB-207	0.028	q	0.012	0.0019	ng/g	☼	04/30/18 11:50	05/09/18 20:41	1
PCB-208	0.042		0.012	0.0020	ng/g	☼	04/30/18 11:50	05/09/18 20:41	1
PCB-209	0.045		0.012	0.00011	ng/g	☼	04/30/18 11:50	05/09/18 20:41	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
PCB-1L	*84*		*30 - 140*	*04/30/18 11:50*	*05/09/18 20:41*	*1*
PCB-3L	*77*		*30 - 140*	*04/30/18 11:50*	*05/09/18 20:41*	*1*
PCB-4L	*79*		*30 - 140*	*04/30/18 11:50*	*05/09/18 20:41*	*1*
PCB-15L	*84*		*30 - 140*	*04/30/18 11:50*	*05/09/18 20:41*	*1*
PCB-19L	*77*		*30 - 140*	*04/30/18 11:50*	*05/09/18 20:41*	*1*
PCB-37L	*83*		*30 - 140*	*04/30/18 11:50*	*05/09/18 20:41*	*1*
PCB-54L	*107*		*30 - 140*	*04/30/18 11:50*	*05/09/18 20:41*	*1*
PCB-77L	*94*		*30 - 140*	*04/30/18 11:50*	*05/09/18 20:41*	*1*
PCB-81L	*92*		*30 - 140*	*04/30/18 11:50*	*05/09/18 20:41*	*1*
PCB-104L	*82*		*30 - 140*	*04/30/18 11:50*	*05/09/18 20:41*	*1*
PCB-105L	*84*		*30 - 140*	*04/30/18 11:50*	*05/09/18 20:41*	*1*
PCB-114L	*81*		*30 - 140*	*04/30/18 11:50*	*05/09/18 20:41*	*1*
PCB-118L	*84*		*30 - 140*	*04/30/18 11:50*	*05/09/18 20:41*	*1*
PCB-123L	*86*		*30 - 140*	*04/30/18 11:50*	*05/09/18 20:41*	*1*
PCB-126L	*91*		*30 - 140*	*04/30/18 11:50*	*05/09/18 20:41*	*1*
PCB-155L	*101*		*30 - 140*	*04/30/18 11:50*	*05/09/18 20:41*	*1*
PCB-156L	*83*	*C*	*30 - 140*	*04/30/18 11:50*	*05/09/18 20:41*	*1*
PCB-157L	*83*	*C156*	*30 - 140*	*04/30/18 11:50*	*05/09/18 20:41*	*1*
PCB-167L	*84*		*30 - 140*	*04/30/18 11:50*	*05/09/18 20:41*	*1*
PCB-169L	*84*		*30 - 140*	*04/30/18 11:50*	*05/09/18 20:41*	*1*
PCB-170L	*82*		*30 - 140*	*04/30/18 11:50*	*05/09/18 20:41*	*1*
PCB-188L	*86*		*30 - 140*	*04/30/18 11:50*	*05/09/18 20:41*	*1*
PCB-189L	*102*		*30 - 140*	*04/30/18 11:50*	*05/09/18 20:41*	*1*
PCB-202L	*98*		*30 - 140*	*04/30/18 11:50*	*05/09/18 20:41*	*1*
PCB-205L	*80*		*30 - 140*	*04/30/18 11:50*	*05/09/18 20:41*	*1*
PCB-206L	*67*		*30 - 140*	*04/30/18 11:50*	*05/09/18 20:41*	*1*
PCB-208L	*71*		*30 - 140*	*04/30/18 11:50*	*05/09/18 20:41*	*1*
PCB-209L	*61*		*30 - 140*	*04/30/18 11:50*	*05/09/18 20:41*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
PCB-28L	*83*		*40 - 125*	*04/30/18 11:50*	*05/09/18 20:41*	*1*
PCB-111L	*90*		*40 - 125*	*04/30/18 11:50*	*05/09/18 20:41*	*1*
PCB-178L	*90*		*40 - 125*	*04/30/18 11:50*	*05/09/18 20:41*	*1*

Client Sample ID: PDI-SG-B221-BL1
Date Collected: 04/19/18 15:24
Date Received: 04/20/18 13:00

Lab Sample ID: 580-76755-22
Matrix: Solid
Percent Solids: 41.5

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1	0.0070	J B q	0.012	0.00031	ng/g	☼	04/30/18 11:50	05/09/18 21:45	1
PCB-2	0.0096	J B q	0.012	0.00033	ng/g	☼	04/30/18 11:50	05/09/18 21:45	1
PCB-3	0.0065	J q	0.012	0.00038	ng/g	☼	04/30/18 11:50	05/09/18 21:45	1
PCB-4	0.066		0.024	0.0011	ng/g	☼	04/30/18 11:50	05/09/18 21:45	1
PCB-5	ND		0.012	0.00078	ng/g	☼	04/30/18 11:50	05/09/18 21:45	1
PCB-6	0.0096	J	0.012	0.00077	ng/g	☼	04/30/18 11:50	05/09/18 21:45	1
PCB-7	ND		0.012	0.00073	ng/g	☼	04/30/18 11:50	05/09/18 21:45	1
PCB-8	0.024	B q	0.024	0.00075	ng/g	☼	04/30/18 11:50	05/09/18 21:45	1
PCB-9	ND		0.012	0.00085	ng/g	☼	04/30/18 11:50	05/09/18 21:45	1
PCB-10	0.0025	J q	0.012	0.00083	ng/g	☼	04/30/18 11:50	05/09/18 21:45	1
PCB-11	0.046	B q	0.024	0.00070	ng/g	☼	04/30/18 11:50	05/09/18 21:45	1
PCB-12	0.0067	J C	0.024	0.00070	ng/g	☼	04/30/18 11:50	05/09/18 21:45	1
PCB-13	0.0067	J C12	0.024	0.00070	ng/g	☼	04/30/18 11:50	05/09/18 21:45	1
PCB-14	ND		0.012	0.00065	ng/g	☼	04/30/18 11:50	05/09/18 21:45	1
PCB-15	0.020		0.012	0.00078	ng/g	☼	04/30/18 11:50	05/09/18 21:45	1
PCB-16	0.016		0.012	0.00049	ng/g	☼	04/30/18 11:50	05/09/18 21:45	1
PCB-17	0.032		0.012	0.00037	ng/g	☼	04/30/18 11:50	05/09/18 21:45	1
PCB-18	0.038	C	0.024	0.00033	ng/g	☼	04/30/18 11:50	05/09/18 21:45	1
PCB-19	0.049		0.012	0.00046	ng/g	☼	04/30/18 11:50	05/09/18 21:45	1
PCB-20	0.096	C B	0.024	0.0012	ng/g	☼	04/30/18 11:50	05/09/18 21:45	1
PCB-21	0.036	C B	0.024	0.0011	ng/g	☼	04/30/18 11:50	05/09/18 21:45	1
PCB-22	0.027	B	0.012	0.0012	ng/g	☼	04/30/18 11:50	05/09/18 21:45	1
PCB-23	ND		0.012	0.0012	ng/g	☼	04/30/18 11:50	05/09/18 21:45	1
PCB-24	0.00053	J q	0.012	0.00028	ng/g	☼	04/30/18 11:50	05/09/18 21:45	1
PCB-25	0.011	J q	0.012	0.0012	ng/g	☼	04/30/18 11:50	05/09/18 21:45	1
PCB-26	0.017	J C q	0.024	0.0012	ng/g	☼	04/30/18 11:50	05/09/18 21:45	1
PCB-27	0.0093	J	0.012	0.00028	ng/g	☼	04/30/18 11:50	05/09/18 21:45	1
PCB-28	0.096	B C20	0.024	0.0012	ng/g	☼	04/30/18 11:50	05/09/18 21:45	1
PCB-29	0.017	J C26 q	0.024	0.0012	ng/g	☼	04/30/18 11:50	05/09/18 21:45	1
PCB-30	0.038	C18	0.024	0.00033	ng/g	☼	04/30/18 11:50	05/09/18 21:45	1
PCB-31	0.070	B	0.024	0.0011	ng/g	☼	04/30/18 11:50	05/09/18 21:45	1
PCB-32	0.024		0.012	0.00026	ng/g	☼	04/30/18 11:50	05/09/18 21:45	1
PCB-33	0.036	B C21	0.024	0.0011	ng/g	☼	04/30/18 11:50	05/09/18 21:45	1
PCB-34	ND		0.012	0.0013	ng/g	☼	04/30/18 11:50	05/09/18 21:45	1
PCB-35	0.0031	J	0.012	0.0012	ng/g	☼	04/30/18 11:50	05/09/18 21:45	1
PCB-36	ND		0.012	0.0011	ng/g	☼	04/30/18 11:50	05/09/18 21:45	1
PCB-37	0.025	B	0.012	0.0011	ng/g	☼	04/30/18 11:50	05/09/18 21:45	1
PCB-38	ND		0.012	0.0012	ng/g	☼	04/30/18 11:50	05/09/18 21:45	1
PCB-39	ND		0.012	0.0011	ng/g	☼	04/30/18 11:50	05/09/18 21:45	1
PCB-40	0.058	C q	0.035	0.0014	ng/g	☼	04/30/18 11:50	05/09/18 21:45	1
PCB-41	0.058	q C40	0.035	0.0014	ng/g	☼	04/30/18 11:50	05/09/18 21:45	1
PCB-42	0.027	q	0.012	0.0014	ng/g	☼	04/30/18 11:50	05/09/18 21:45	1
PCB-43	0.0068	J C	0.024	0.0012	ng/g	☼	04/30/18 11:50	05/09/18 21:45	1
PCB-44	0.21	C B	0.035	0.0012	ng/g	☼	04/30/18 11:50	05/09/18 21:45	1
PCB-45	0.062	C	0.024	0.0014	ng/g	☼	04/30/18 11:50	05/09/18 21:45	1
PCB-46	0.0070	J q	0.012	0.0017	ng/g	☼	04/30/18 11:50	05/09/18 21:45	1
PCB-47	0.21	B C44	0.035	0.0012	ng/g	☼	04/30/18 11:50	05/09/18 21:45	1
PCB-48	0.017		0.012	0.0013	ng/g	☼	04/30/18 11:50	05/09/18 21:45	1
PCB-49	0.12	C B q	0.024	0.0011	ng/g	☼	04/30/18 11:50	05/09/18 21:45	1

Client Sample ID: PDI-SG-B221-BL1
Date Collected: 04/19/18 15:24
Date Received: 04/20/18 13:00

Lab Sample ID: 580-76755-22
Matrix: Solid
Percent Solids: 41.5

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-50	0.056	C	0.024	0.0014	ng/g	☼	04/30/18 11:50	05/09/18 21:45	1
PCB-51	0.062	C45	0.024	0.0014	ng/g	☼	04/30/18 11:50	05/09/18 21:45	1
PCB-52	0.23	B	0.012	0.0014	ng/g	☼	04/30/18 11:50	05/09/18 21:45	1
PCB-53	0.056	C50	0.024	0.0014	ng/g	☼	04/30/18 11:50	05/09/18 21:45	1
PCB-54	0.0087	J q	0.012	0.00013	ng/g	☼	04/30/18 11:50	05/09/18 21:45	1
PCB-55	0.0027	J q	0.012	0.00094	ng/g	☼	04/30/18 11:50	05/09/18 21:45	1
PCB-56	0.043	B	0.012	0.00095	ng/g	☼	04/30/18 11:50	05/09/18 21:45	1
PCB-57	ND		0.012	0.00096	ng/g	☼	04/30/18 11:50	05/09/18 21:45	1
PCB-58	ND		0.012	0.00092	ng/g	☼	04/30/18 11:50	05/09/18 21:45	1
PCB-59	0.011	J C q	0.035	0.00093	ng/g	☼	04/30/18 11:50	05/09/18 21:45	1
PCB-60	0.014	q	0.012	0.00093	ng/g	☼	04/30/18 11:50	05/09/18 21:45	1
PCB-61	0.20	C B	0.047	0.00091	ng/g	☼	04/30/18 11:50	05/09/18 21:45	1
PCB-62	0.011	J C59 q	0.035	0.00093	ng/g	☼	04/30/18 11:50	05/09/18 21:45	1
PCB-63	0.0041	J	0.012	0.00083	ng/g	☼	04/30/18 11:50	05/09/18 21:45	1
PCB-64	0.040	q	0.012	0.00087	ng/g	☼	04/30/18 11:50	05/09/18 21:45	1
PCB-65	0.21	B C44	0.035	0.0012	ng/g	☼	04/30/18 11:50	05/09/18 21:45	1
PCB-66	0.12		0.012	0.00091	ng/g	☼	04/30/18 11:50	05/09/18 21:45	1
PCB-67	0.0023	J	0.012	0.00088	ng/g	☼	04/30/18 11:50	05/09/18 21:45	1
PCB-68	0.0029	J	0.012	0.00083	ng/g	☼	04/30/18 11:50	05/09/18 21:45	1
PCB-69	0.12	B C49 q	0.024	0.0011	ng/g	☼	04/30/18 11:50	05/09/18 21:45	1
PCB-70	0.20	C61 B	0.047	0.00091	ng/g	☼	04/30/18 11:50	05/09/18 21:45	1
PCB-71	0.058	q C40	0.035	0.0014	ng/g	☼	04/30/18 11:50	05/09/18 21:45	1
PCB-72	0.0040	J	0.012	0.00094	ng/g	☼	04/30/18 11:50	05/09/18 21:45	1
PCB-73	0.0068	J C43	0.024	0.0012	ng/g	☼	04/30/18 11:50	05/09/18 21:45	1
PCB-74	0.20	C61 B	0.047	0.00091	ng/g	☼	04/30/18 11:50	05/09/18 21:45	1
PCB-75	0.011	J C59 q	0.035	0.00093	ng/g	☼	04/30/18 11:50	05/09/18 21:45	1
PCB-76	0.20	C61 B	0.047	0.00091	ng/g	☼	04/30/18 11:50	05/09/18 21:45	1
PCB-77	0.013		0.012	0.00085	ng/g	☼	04/30/18 11:50	05/09/18 21:45	1
PCB-78	ND		0.012	0.00092	ng/g	☼	04/30/18 11:50	05/09/18 21:45	1
PCB-79	ND		0.012	0.00079	ng/g	☼	04/30/18 11:50	05/09/18 21:45	1
PCB-80	ND		0.012	0.00082	ng/g	☼	04/30/18 11:50	05/09/18 21:45	1
PCB-81	ND		0.012	0.00089	ng/g	☼	04/30/18 11:50	05/09/18 21:45	1
PCB-82	0.032	q	0.012	0.0012	ng/g	☼	04/30/18 11:50	05/09/18 21:45	1
PCB-83	0.19	C	0.024	0.0011	ng/g	☼	04/30/18 11:50	05/09/18 21:45	1
PCB-84	0.065		0.012	0.0012	ng/g	☼	04/30/18 11:50	05/09/18 21:45	1
PCB-85	0.043	C q	0.035	0.00085	ng/g	☼	04/30/18 11:50	05/09/18 21:45	1
PCB-86	0.16	C B	0.071	0.00089	ng/g	☼	04/30/18 11:50	05/09/18 21:45	1
PCB-87	0.16	B C86	0.071	0.00089	ng/g	☼	04/30/18 11:50	05/09/18 21:45	1
PCB-88	0.057	C	0.024	0.0011	ng/g	☼	04/30/18 11:50	05/09/18 21:45	1
PCB-89	ND		0.012	0.0011	ng/g	☼	04/30/18 11:50	05/09/18 21:45	1
PCB-90	0.30	C	0.035	0.00091	ng/g	☼	04/30/18 11:50	05/09/18 21:45	1
PCB-91	0.057	C88	0.024	0.0011	ng/g	☼	04/30/18 11:50	05/09/18 21:45	1
PCB-92	0.063	S	0.012	0.0011	ng/g	☼	04/30/18 11:50	05/09/18 21:45	1
PCB-93	0.019	J C q	0.024	0.0011	ng/g	☼	04/30/18 11:50	05/09/18 21:45	1
PCB-94	0.0034	J q	0.012	0.0012	ng/g	☼	04/30/18 11:50	05/09/18 21:45	1
PCB-95	0.25	B	0.012	0.0011	ng/g	☼	04/30/18 11:50	05/09/18 21:45	1
PCB-96	0.0030	J q	0.012	0.00086	ng/g	☼	04/30/18 11:50	05/09/18 21:45	1
PCB-97	0.16	B C86	0.071	0.00089	ng/g	☼	04/30/18 11:50	05/09/18 21:45	1
PCB-98	0.014	J C	0.024	0.0011	ng/g	☼	04/30/18 11:50	05/09/18 21:45	1

Client Sample ID: PDI-SG-B221-BL1
Date Collected: 04/19/18 15:24
Date Received: 04/20/18 13:00

Lab Sample ID: 580-76755-22
Matrix: Solid
Percent Solids: 41.5

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-99	0.19	C83	0.024	0.0011	ng/g	☼	04/30/18 11:50	05/09/18 21:45	1
PCB-100	0.019	J C93 q	0.024	0.0011	ng/g	☼	04/30/18 11:50	05/09/18 21:45	1
PCB-101	0.30	C90	0.035	0.00091	ng/g	☼	04/30/18 11:50	05/09/18 21:45	1
PCB-102	0.014	J C98	0.024	0.0011	ng/g	☼	04/30/18 11:50	05/09/18 21:45	1
PCB-103	0.013		0.012	0.0010	ng/g	☼	04/30/18 11:50	05/09/18 21:45	1
PCB-104	0.0016	J	0.012	0.00078	ng/g	☼	04/30/18 11:50	05/09/18 21:45	1
PCB-105	0.080		0.012	0.0028	ng/g	☼	04/30/18 11:50	05/09/18 21:45	1
PCB-106	ND		0.012	0.0030	ng/g	☼	04/30/18 11:50	05/09/18 21:45	1
PCB-107	0.025		0.012	0.0029	ng/g	☼	04/30/18 11:50	05/09/18 21:45	1
PCB-108	0.0074	J C q	0.024	0.0030	ng/g	☼	04/30/18 11:50	05/09/18 21:45	1
PCB-109	0.16	B C86	0.071	0.00089	ng/g	☼	04/30/18 11:50	05/09/18 21:45	1
PCB-110	0.32	C B	0.024	0.00074	ng/g	☼	04/30/18 11:50	05/09/18 21:45	1
PCB-111	ND		0.012	0.00069	ng/g	☼	04/30/18 11:50	05/09/18 21:45	1
PCB-112	ND		0.012	0.00076	ng/g	☼	04/30/18 11:50	05/09/18 21:45	1
PCB-113	0.30	C90	0.035	0.00091	ng/g	☼	04/30/18 11:50	05/09/18 21:45	1
PCB-114	ND		0.012	0.0027	ng/g	☼	04/30/18 11:50	05/09/18 21:45	1
PCB-115	0.32	B C110	0.024	0.00074	ng/g	☼	04/30/18 11:50	05/09/18 21:45	1
PCB-116	0.043	C85 q	0.035	0.00085	ng/g	☼	04/30/18 11:50	05/09/18 21:45	1
PCB-117	0.043	C85 q	0.035	0.00085	ng/g	☼	04/30/18 11:50	05/09/18 21:45	1
PCB-118	0.23		0.012	0.0028	ng/g	☼	04/30/18 11:50	05/09/18 21:45	1
PCB-119	0.16	B C86	0.071	0.00089	ng/g	☼	04/30/18 11:50	05/09/18 21:45	1
PCB-120	0.0014	J B q	0.012	0.00068	ng/g	☼	04/30/18 11:50	05/09/18 21:45	1
PCB-121	ND		0.012	0.00074	ng/g	☼	04/30/18 11:50	05/09/18 21:45	1
PCB-122	ND		0.012	0.0033	ng/g	☼	04/30/18 11:50	05/09/18 21:45	1
PCB-123	0.0044	J	0.012	0.0026	ng/g	☼	04/30/18 11:50	05/09/18 21:45	1
PCB-124	0.0074	J q C108	0.024	0.0030	ng/g	☼	04/30/18 11:50	05/09/18 21:45	1
PCB-125	0.16	B C86	0.071	0.00089	ng/g	☼	04/30/18 11:50	05/09/18 21:45	1
PCB-126	ND		0.012	0.0030	ng/g	☼	04/30/18 11:50	05/09/18 21:45	1
PCB-127	ND		0.012	0.0028	ng/g	☼	04/30/18 11:50	05/09/18 21:45	1
PCB-128	0.055	C	0.024	0.0025	ng/g	☼	04/30/18 11:50	05/09/18 21:45	1
PCB-129	0.44	C B	0.047	0.0025	ng/g	☼	04/30/18 11:50	05/09/18 21:45	1
PCB-130	0.029		0.012	0.0034	ng/g	☼	04/30/18 11:50	05/09/18 21:45	1
PCB-131	ND		0.012	0.0034	ng/g	☼	04/30/18 11:50	05/09/18 21:45	1
PCB-132	0.14		0.012	0.0033	ng/g	☼	04/30/18 11:50	05/09/18 21:45	1
PCB-133	0.012		0.012	0.0032	ng/g	☼	04/30/18 11:50	05/09/18 21:45	1
PCB-134	0.027	C	0.024	0.0033	ng/g	☼	04/30/18 11:50	05/09/18 21:45	1
PCB-135	0.17	C	0.024	0.00038	ng/g	☼	04/30/18 11:50	05/09/18 21:45	1
PCB-136	0.058		0.012	0.00027	ng/g	☼	04/30/18 11:50	05/09/18 21:45	1
PCB-137	0.0086	J q	0.012	0.0028	ng/g	☼	04/30/18 11:50	05/09/18 21:45	1
PCB-138	0.44	B C129	0.047	0.0025	ng/g	☼	04/30/18 11:50	05/09/18 21:45	1
PCB-139	0.0075	J C	0.024	0.0028	ng/g	☼	04/30/18 11:50	05/09/18 21:45	1
PCB-140	0.0075	J C139	0.024	0.0028	ng/g	☼	04/30/18 11:50	05/09/18 21:45	1
PCB-141	0.084		0.012	0.0030	ng/g	☼	04/30/18 11:50	05/09/18 21:45	1
PCB-142	ND		0.012	0.0032	ng/g	☼	04/30/18 11:50	05/09/18 21:45	1
PCB-143	0.027	C134	0.024	0.0033	ng/g	☼	04/30/18 11:50	05/09/18 21:45	1
PCB-144	0.012	S q	0.012	0.00035	ng/g	☼	04/30/18 11:50	05/09/18 21:45	1
PCB-145	ND		0.012	0.00027	ng/g	☼	04/30/18 11:50	05/09/18 21:45	1
PCB-146	0.080	B	0.012	0.0027	ng/g	☼	04/30/18 11:50	05/09/18 21:45	1
PCB-147	0.38	C B	0.024	0.0029	ng/g	☼	04/30/18 11:50	05/09/18 21:45	1

Client Sample ID: PDI-SG-B221-BL1
Date Collected: 04/19/18 15:24
Date Received: 04/20/18 13:00

Lab Sample ID: 580-76755-22
Matrix: Solid
Percent Solids: 41.5

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-148	0.0013	J q	0.012	0.00036	ng/g	☼	04/30/18 11:50	05/09/18 21:45	1
PCB-149	0.38	B C147	0.024	0.0029	ng/g	☼	04/30/18 11:50	05/09/18 21:45	1
PCB-150	0.0020	J	0.012	0.00024	ng/g	☼	04/30/18 11:50	05/09/18 21:45	1
PCB-151	0.17	C135	0.024	0.00038	ng/g	☼	04/30/18 11:50	05/09/18 21:45	1
PCB-152	0.00081	J q	0.012	0.00026	ng/g	☼	04/30/18 11:50	05/09/18 21:45	1
PCB-153	0.39	C B	0.024	0.0022	ng/g	☼	04/30/18 11:50	05/09/18 21:45	1
PCB-154	0.0083	J q	0.012	0.00031	ng/g	☼	04/30/18 11:50	05/09/18 21:45	1
PCB-155	ND		0.012	0.00025	ng/g	☼	04/30/18 11:50	05/09/18 21:45	1
PCB-156	0.038	C	0.024	0.0026	ng/g	☼	04/30/18 11:50	05/09/18 21:45	1
PCB-157	0.038	C156	0.024	0.0026	ng/g	☼	04/30/18 11:50	05/09/18 21:45	1
PCB-158	0.036		0.012	0.0020	ng/g	☼	04/30/18 11:50	05/09/18 21:45	1
PCB-159	0.0049	J	0.012	0.0020	ng/g	☼	04/30/18 11:50	05/09/18 21:45	1
PCB-160	0.44	B C129	0.047	0.0025	ng/g	☼	04/30/18 11:50	05/09/18 21:45	1
PCB-161	ND		0.012	0.0021	ng/g	☼	04/30/18 11:50	05/09/18 21:45	1
PCB-162	ND		0.012	0.0020	ng/g	☼	04/30/18 11:50	05/09/18 21:45	1
PCB-163	0.44	B C129	0.047	0.0025	ng/g	☼	04/30/18 11:50	05/09/18 21:45	1
PCB-164	0.030		0.012	0.0022	ng/g	☼	04/30/18 11:50	05/09/18 21:45	1
PCB-165	ND		0.012	0.0024	ng/g	☼	04/30/18 11:50	05/09/18 21:45	1
PCB-166	0.055	C128	0.024	0.0025	ng/g	☼	04/30/18 11:50	05/09/18 21:45	1
PCB-167	0.015		0.012	0.0016	ng/g	☼	04/30/18 11:50	05/09/18 21:45	1
PCB-168	0.39	B C153	0.024	0.0022	ng/g	☼	04/30/18 11:50	05/09/18 21:45	1
PCB-169	ND		0.012	0.0015	ng/g	☼	04/30/18 11:50	05/09/18 21:45	1
PCB-170	0.14		0.012	0.00087	ng/g	☼	04/30/18 11:50	05/09/18 21:45	1
PCB-171	0.031	C q	0.024	0.00085	ng/g	☼	04/30/18 11:50	05/09/18 21:45	1
PCB-172	0.025		0.012	0.00084	ng/g	☼	04/30/18 11:50	05/09/18 21:45	1
PCB-173	0.031	C171 q	0.024	0.00085	ng/g	☼	04/30/18 11:50	05/09/18 21:45	1
PCB-174	0.14		0.012	0.00087	ng/g	☼	04/30/18 11:50	05/09/18 21:45	1
PCB-175	0.0030	J q	0.012	0.00079	ng/g	☼	04/30/18 11:50	05/09/18 21:45	1
PCB-176	0.017		0.012	0.00055	ng/g	☼	04/30/18 11:50	05/09/18 21:45	1
PCB-177	0.083		0.012	0.00088	ng/g	☼	04/30/18 11:50	05/09/18 21:45	1
PCB-178	0.023	q	0.012	0.00082	ng/g	☼	04/30/18 11:50	05/09/18 21:45	1
PCB-179	0.067		0.012	0.00060	ng/g	☼	04/30/18 11:50	05/09/18 21:45	1
PCB-180	0.27	C	0.024	0.00065	ng/g	☼	04/30/18 11:50	05/09/18 21:45	1
PCB-181	ND		0.012	0.00075	ng/g	☼	04/30/18 11:50	05/09/18 21:45	1
PCB-182	ND		0.012	0.00071	ng/g	☼	04/30/18 11:50	05/09/18 21:45	1
PCB-183	0.088	C	0.024	0.00072	ng/g	☼	04/30/18 11:50	05/09/18 21:45	1
PCB-184	ND		0.012	0.00061	ng/g	☼	04/30/18 11:50	05/09/18 21:45	1
PCB-185	0.088	C183	0.024	0.00072	ng/g	☼	04/30/18 11:50	05/09/18 21:45	1
PCB-186	ND		0.012	0.00059	ng/g	☼	04/30/18 11:50	05/09/18 21:45	1
PCB-187	0.18		0.012	0.00074	ng/g	☼	04/30/18 11:50	05/09/18 21:45	1
PCB-188	ND		0.012	0.00054	ng/g	☼	04/30/18 11:50	05/09/18 21:45	1
PCB-189	0.0042	J	0.012	0.0013	ng/g	☼	04/30/18 11:50	05/09/18 21:45	1
PCB-190	0.023	q	0.012	0.00056	ng/g	☼	04/30/18 11:50	05/09/18 21:45	1
PCB-191	ND		0.012	0.00056	ng/g	☼	04/30/18 11:50	05/09/18 21:45	1
PCB-192	ND		0.012	0.00060	ng/g	☼	04/30/18 11:50	05/09/18 21:45	1
PCB-193	0.27	C180	0.024	0.00065	ng/g	☼	04/30/18 11:50	05/09/18 21:45	1
PCB-194	0.064		0.012	0.0013	ng/g	☼	04/30/18 11:50	05/09/18 21:45	1
PCB-195	0.021	q	0.012	0.0015	ng/g	☼	04/30/18 11:50	05/09/18 21:45	1
PCB-196	0.021	q	0.012	0.00048	ng/g	☼	04/30/18 11:50	05/09/18 21:45	1

Client Sample ID: PDI-SG-B221-BL1
Date Collected: 04/19/18 15:24
Date Received: 04/20/18 13:00

Lab Sample ID: 580-76755-22
Matrix: Solid
Percent Solids: 41.5

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-197	0.0029	J q	0.012	0.00033	ng/g	☼	04/30/18 11:50	05/09/18 21:45	1
PCB-198	0.077	C B	0.024	0.00051	ng/g	☼	04/30/18 11:50	05/09/18 21:45	1
PCB-199	0.077	C198 B	0.024	0.00051	ng/g	☼	04/30/18 11:50	05/09/18 21:45	1
PCB-200	0.0066	J q	0.012	0.00036	ng/g	☼	04/30/18 11:50	05/09/18 21:45	1
PCB-201	0.0086	J	0.012	0.00035	ng/g	☼	04/30/18 11:50	05/09/18 21:45	1
PCB-202	0.014	q	0.012	0.00040	ng/g	☼	04/30/18 11:50	05/09/18 21:45	1
PCB-203	0.039		0.012	0.00045	ng/g	☼	04/30/18 11:50	05/09/18 21:45	1
PCB-204	ND		0.012	0.00036	ng/g	☼	04/30/18 11:50	05/09/18 21:45	1
PCB-205	0.0032	J	0.012	0.0010	ng/g	☼	04/30/18 11:50	05/09/18 21:45	1
PCB-206	0.044	q	0.012	0.0025	ng/g	☼	04/30/18 11:50	05/09/18 21:45	1
PCB-207	0.0045	J q	0.012	0.0016	ng/g	☼	04/30/18 11:50	05/09/18 21:45	1
PCB-208	0.013	q	0.012	0.0017	ng/g	☼	04/30/18 11:50	05/09/18 21:45	1
PCB-209	0.038		0.012	0.00013	ng/g	☼	04/30/18 11:50	05/09/18 21:45	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
PCB-1L	*76*		*30 - 140*	*04/30/18 11:50*	*05/09/18 21:45*	*1*
PCB-3L	*72*		*30 - 140*	*04/30/18 11:50*	*05/09/18 21:45*	*1*
PCB-4L	*79*		*30 - 140*	*04/30/18 11:50*	*05/09/18 21:45*	*1*
PCB-15L	*79*		*30 - 140*	*04/30/18 11:50*	*05/09/18 21:45*	*1*
PCB-19L	*84*		*30 - 140*	*04/30/18 11:50*	*05/09/18 21:45*	*1*
PCB-37L	*86*		*30 - 140*	*04/30/18 11:50*	*05/09/18 21:45*	*1*
PCB-54L	*107*		*30 - 140*	*04/30/18 11:50*	*05/09/18 21:45*	*1*
PCB-77L	*94*		*30 - 140*	*04/30/18 11:50*	*05/09/18 21:45*	*1*
PCB-81L	*89*		*30 - 140*	*04/30/18 11:50*	*05/09/18 21:45*	*1*
PCB-104L	*97*		*30 - 140*	*04/30/18 11:50*	*05/09/18 21:45*	*1*
PCB-105L	*88*		*30 - 140*	*04/30/18 11:50*	*05/09/18 21:45*	*1*
PCB-114L	*89*		*30 - 140*	*04/30/18 11:50*	*05/09/18 21:45*	*1*
PCB-118L	*91*		*30 - 140*	*04/30/18 11:50*	*05/09/18 21:45*	*1*
PCB-123L	*91*		*30 - 140*	*04/30/18 11:50*	*05/09/18 21:45*	*1*
PCB-126L	*88*		*30 - 140*	*04/30/18 11:50*	*05/09/18 21:45*	*1*
PCB-155L	*106*		*30 - 140*	*04/30/18 11:50*	*05/09/18 21:45*	*1*
PCB-156L	*93*	*C*	*30 - 140*	*04/30/18 11:50*	*05/09/18 21:45*	*1*
PCB-157L	*93*	*C156*	*30 - 140*	*04/30/18 11:50*	*05/09/18 21:45*	*1*
PCB-167L	*88*		*30 - 140*	*04/30/18 11:50*	*05/09/18 21:45*	*1*
PCB-169L	*90*		*30 - 140*	*04/30/18 11:50*	*05/09/18 21:45*	*1*
PCB-170L	*84*		*30 - 140*	*04/30/18 11:50*	*05/09/18 21:45*	*1*
PCB-188L	*89*		*30 - 140*	*04/30/18 11:50*	*05/09/18 21:45*	*1*
PCB-189L	*110*		*30 - 140*	*04/30/18 11:50*	*05/09/18 21:45*	*1*
PCB-202L	*92*		*30 - 140*	*04/30/18 11:50*	*05/09/18 21:45*	*1*
PCB-205L	*83*		*30 - 140*	*04/30/18 11:50*	*05/09/18 21:45*	*1*
PCB-206L	*75*		*30 - 140*	*04/30/18 11:50*	*05/09/18 21:45*	*1*
PCB-208L	*76*		*30 - 140*	*04/30/18 11:50*	*05/09/18 21:45*	*1*
PCB-209L	*70*		*30 - 140*	*04/30/18 11:50*	*05/09/18 21:45*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
PCB-28L	*83*		*40 - 125*	*04/30/18 11:50*	*05/09/18 21:45*	*1*
PCB-111L	*100*		*40 - 125*	*04/30/18 11:50*	*05/09/18 21:45*	*1*
PCB-178L	*84*		*40 - 125*	*04/30/18 11:50*	*05/09/18 21:45*	*1*

Client Sample ID: PDI-SG-B204-BL1
Date Collected: 04/19/18 14:05
Date Received: 04/20/18 13:00

Lab Sample ID: 580-76755-23
Matrix: Solid
Percent Solids: 41.7

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1	0.0067	J B q	0.012	0.00031	ng/g	☼	04/30/18 11:50	05/09/18 22:49	1
PCB-2	0.013	B	0.012	0.00035	ng/g	☼	04/30/18 11:50	05/09/18 22:49	1
PCB-3	0.0060	J	0.012	0.00041	ng/g	☼	04/30/18 11:50	05/09/18 22:49	1
PCB-4	0.11	q	0.024	0.0021	ng/g	☼	04/30/18 11:50	05/09/18 22:49	1
PCB-5	ND		0.012	0.0015	ng/g	☼	04/30/18 11:50	05/09/18 22:49	1
PCB-6	0.0075	J q	0.012	0.0015	ng/g	☼	04/30/18 11:50	05/09/18 22:49	1
PCB-7	0.0023	J q	0.012	0.0014	ng/g	☼	04/30/18 11:50	05/09/18 22:49	1
PCB-8	0.018	J B q	0.024	0.0014	ng/g	☼	04/30/18 11:50	05/09/18 22:49	1
PCB-9	0.0038	J B q	0.012	0.0016	ng/g	☼	04/30/18 11:50	05/09/18 22:49	1
PCB-10	0.0095	J	0.012	0.0016	ng/g	☼	04/30/18 11:50	05/09/18 22:49	1
PCB-11	0.041	B	0.024	0.0014	ng/g	☼	04/30/18 11:50	05/09/18 22:49	1
PCB-12	0.0033	J C q	0.024	0.0014	ng/g	☼	04/30/18 11:50	05/09/18 22:49	1
PCB-13	0.0033	J C12 q	0.024	0.0014	ng/g	☼	04/30/18 11:50	05/09/18 22:49	1
PCB-14	ND		0.012	0.0012	ng/g	☼	04/30/18 11:50	05/09/18 22:49	1
PCB-15	0.018		0.012	0.0015	ng/g	☼	04/30/18 11:50	05/09/18 22:49	1
PCB-16	0.013		0.012	0.0014	ng/g	☼	04/30/18 11:50	05/09/18 22:49	1
PCB-17	0.078	q	0.012	0.0010	ng/g	☼	04/30/18 11:50	05/09/18 22:49	1
PCB-18	0.040	C	0.024	0.00092	ng/g	☼	04/30/18 11:50	05/09/18 22:49	1
PCB-19	0.22		0.012	0.0013	ng/g	☼	04/30/18 11:50	05/09/18 22:49	1
PCB-20	0.091	C B	0.024	0.0015	ng/g	☼	04/30/18 11:50	05/09/18 22:49	1
PCB-21	0.038	C B	0.024	0.0014	ng/g	☼	04/30/18 11:50	05/09/18 22:49	1
PCB-22	0.020	B	0.012	0.0016	ng/g	☼	04/30/18 11:50	05/09/18 22:49	1
PCB-23	ND		0.012	0.0015	ng/g	☼	04/30/18 11:50	05/09/18 22:49	1
PCB-24	ND		0.012	0.00079	ng/g	☼	04/30/18 11:50	05/09/18 22:49	1
PCB-25	0.026		0.012	0.0015	ng/g	☼	04/30/18 11:50	05/09/18 22:49	1
PCB-26	0.047	C	0.024	0.0015	ng/g	☼	04/30/18 11:50	05/09/18 22:49	1
PCB-27	0.053		0.012	0.00078	ng/g	☼	04/30/18 11:50	05/09/18 22:49	1
PCB-28	0.091	B C20	0.024	0.0015	ng/g	☼	04/30/18 11:50	05/09/18 22:49	1
PCB-29	0.047	C26	0.024	0.0015	ng/g	☼	04/30/18 11:50	05/09/18 22:49	1
PCB-30	0.040	C18	0.024	0.00092	ng/g	☼	04/30/18 11:50	05/09/18 22:49	1
PCB-31	0.058	B	0.024	0.0014	ng/g	☼	04/30/18 11:50	05/09/18 22:49	1
PCB-32	0.049	q	0.012	0.00072	ng/g	☼	04/30/18 11:50	05/09/18 22:49	1
PCB-33	0.038	B C21	0.024	0.0014	ng/g	☼	04/30/18 11:50	05/09/18 22:49	1
PCB-34	ND		0.012	0.0016	ng/g	☼	04/30/18 11:50	05/09/18 22:49	1
PCB-35	ND		0.012	0.0015	ng/g	☼	04/30/18 11:50	05/09/18 22:49	1
PCB-36	ND		0.012	0.0014	ng/g	☼	04/30/18 11:50	05/09/18 22:49	1
PCB-37	0.023	B q	0.012	0.0014	ng/g	☼	04/30/18 11:50	05/09/18 22:49	1
PCB-38	ND		0.012	0.0015	ng/g	☼	04/30/18 11:50	05/09/18 22:49	1
PCB-39	ND		0.012	0.0014	ng/g	☼	04/30/18 11:50	05/09/18 22:49	1
PCB-40	0.092	C	0.036	0.0017	ng/g	☼	04/30/18 11:50	05/09/18 22:49	1
PCB-41	0.092	C40	0.036	0.0017	ng/g	☼	04/30/18 11:50	05/09/18 22:49	1
PCB-42	0.031		0.012	0.0017	ng/g	☼	04/30/18 11:50	05/09/18 22:49	1
PCB-43	0.030	C	0.024	0.0015	ng/g	☼	04/30/18 11:50	05/09/18 22:49	1
PCB-44	0.58	C B	0.036	0.0015	ng/g	☼	04/30/18 11:50	05/09/18 22:49	1
PCB-45	0.22	C	0.024	0.0018	ng/g	☼	04/30/18 11:50	05/09/18 22:49	1
PCB-46	0.013		0.012	0.0020	ng/g	☼	04/30/18 11:50	05/09/18 22:49	1
PCB-47	0.58	B C44	0.036	0.0015	ng/g	☼	04/30/18 11:50	05/09/18 22:49	1
PCB-48	0.016	q	0.012	0.0016	ng/g	☼	04/30/18 11:50	05/09/18 22:49	1
PCB-49	0.28	C B	0.024	0.0013	ng/g	☼	04/30/18 11:50	05/09/18 22:49	1

Client Sample ID: PDI-SG-B204-BL1
Date Collected: 04/19/18 14:05
Date Received: 04/20/18 13:00

Lab Sample ID: 580-76755-23
Matrix: Solid
Percent Solids: 41.7

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-50	0.21	C	0.024	0.0017	ng/g	☼	04/30/18 11:50	05/09/18 22:49	1
PCB-51	0.22	C45	0.024	0.0018	ng/g	☼	04/30/18 11:50	05/09/18 22:49	1
PCB-52	0.39	B	0.012	0.0017	ng/g	☼	04/30/18 11:50	05/09/18 22:49	1
PCB-53	0.21	C50	0.024	0.0017	ng/g	☼	04/30/18 11:50	05/09/18 22:49	1
PCB-54	0.070		0.012	0.00020	ng/g	☼	04/30/18 11:50	05/09/18 22:49	1
PCB-55	ND		0.012	0.0011	ng/g	☼	04/30/18 11:50	05/09/18 22:49	1
PCB-56	0.038	B	0.012	0.0012	ng/g	☼	04/30/18 11:50	05/09/18 22:49	1
PCB-57	ND		0.012	0.0012	ng/g	☼	04/30/18 11:50	05/09/18 22:49	1
PCB-58	0.0046	J	0.012	0.0011	ng/g	☼	04/30/18 11:50	05/09/18 22:49	1
PCB-59	0.029	J C	0.036	0.0011	ng/g	☼	04/30/18 11:50	05/09/18 22:49	1
PCB-60	0.014		0.012	0.0011	ng/g	☼	04/30/18 11:50	05/09/18 22:49	1
PCB-61	0.17	C B	0.047	0.0011	ng/g	☼	04/30/18 11:50	05/09/18 22:49	1
PCB-62	0.029	J C59	0.036	0.0011	ng/g	☼	04/30/18 11:50	05/09/18 22:49	1
PCB-63	0.0045	J	0.012	0.0010	ng/g	☼	04/30/18 11:50	05/09/18 22:49	1
PCB-64	0.038		0.012	0.0011	ng/g	☼	04/30/18 11:50	05/09/18 22:49	1
PCB-65	0.58	B C44	0.036	0.0015	ng/g	☼	04/30/18 11:50	05/09/18 22:49	1
PCB-66	0.12		0.012	0.0011	ng/g	☼	04/30/18 11:50	05/09/18 22:49	1
PCB-67	ND		0.012	0.0011	ng/g	☼	04/30/18 11:50	05/09/18 22:49	1
PCB-68	0.0083	J	0.012	0.0010	ng/g	☼	04/30/18 11:50	05/09/18 22:49	1
PCB-69	0.28	B C49	0.024	0.0013	ng/g	☼	04/30/18 11:50	05/09/18 22:49	1
PCB-70	0.17	C61 B	0.047	0.0011	ng/g	☼	04/30/18 11:50	05/09/18 22:49	1
PCB-71	0.092	C40	0.036	0.0017	ng/g	☼	04/30/18 11:50	05/09/18 22:49	1
PCB-72	0.0029	J q	0.012	0.0011	ng/g	☼	04/30/18 11:50	05/09/18 22:49	1
PCB-73	0.030	C43	0.024	0.0015	ng/g	☼	04/30/18 11:50	05/09/18 22:49	1
PCB-74	0.17	C61 B	0.047	0.0011	ng/g	☼	04/30/18 11:50	05/09/18 22:49	1
PCB-75	0.029	J C59	0.036	0.0011	ng/g	☼	04/30/18 11:50	05/09/18 22:49	1
PCB-76	0.17	C61 B	0.047	0.0011	ng/g	☼	04/30/18 11:50	05/09/18 22:49	1
PCB-77	0.012		0.012	0.0010	ng/g	☼	04/30/18 11:50	05/09/18 22:49	1
PCB-78	ND		0.012	0.0011	ng/g	☼	04/30/18 11:50	05/09/18 22:49	1
PCB-79	0.0025	J	0.012	0.00095	ng/g	☼	04/30/18 11:50	05/09/18 22:49	1
PCB-80	ND		0.012	0.00099	ng/g	☼	04/30/18 11:50	05/09/18 22:49	1
PCB-81	ND		0.012	0.0011	ng/g	☼	04/30/18 11:50	05/09/18 22:49	1
PCB-82	0.028		0.012	0.0010	ng/g	☼	04/30/18 11:50	05/09/18 22:49	1
PCB-83	0.30	C	0.024	0.00098	ng/g	☼	04/30/18 11:50	05/09/18 22:49	1
PCB-84	0.060		0.012	0.0011	ng/g	☼	04/30/18 11:50	05/09/18 22:49	1
PCB-85	0.052	C	0.036	0.00074	ng/g	☼	04/30/18 11:50	05/09/18 22:49	1
PCB-86	0.18	C B	0.071	0.00078	ng/g	☼	04/30/18 11:50	05/09/18 22:49	1
PCB-87	0.18	B C86	0.071	0.00078	ng/g	☼	04/30/18 11:50	05/09/18 22:49	1
PCB-88	0.082	C	0.024	0.00093	ng/g	☼	04/30/18 11:50	05/09/18 22:49	1
PCB-89	ND		0.012	0.0010	ng/g	☼	04/30/18 11:50	05/09/18 22:49	1
PCB-90	0.39	C	0.036	0.00079	ng/g	☼	04/30/18 11:50	05/09/18 22:49	1
PCB-91	0.082	C88	0.024	0.00093	ng/g	☼	04/30/18 11:50	05/09/18 22:49	1
PCB-92	0.081	q	0.012	0.00096	ng/g	☼	04/30/18 11:50	05/09/18 22:49	1
PCB-93	0.14	C	0.024	0.00094	ng/g	☼	04/30/18 11:50	05/09/18 22:49	1
PCB-94	0.017	q	0.012	0.0010	ng/g	☼	04/30/18 11:50	05/09/18 22:49	1
PCB-95	0.27	B	0.012	0.00098	ng/g	☼	04/30/18 11:50	05/09/18 22:49	1
PCB-96	0.013	q	0.012	0.00075	ng/g	☼	04/30/18 11:50	05/09/18 22:49	1
PCB-97	0.18	B C86	0.071	0.00078	ng/g	☼	04/30/18 11:50	05/09/18 22:49	1
PCB-98	0.052	C	0.024	0.00094	ng/g	☼	04/30/18 11:50	05/09/18 22:49	1

Client Sample ID: PDI-SG-B204-BL1
Date Collected: 04/19/18 14:05
Date Received: 04/20/18 13:00

Lab Sample ID: 580-76755-23
Matrix: Solid
Percent Solids: 41.7

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-99	0.30	C83	0.024	0.00098	ng/g	☼	04/30/18 11:50	05/09/18 22:49	1
PCB-100	0.14	C93	0.024	0.00094	ng/g	☼	04/30/18 11:50	05/09/18 22:49	1
PCB-101	0.39	C90	0.036	0.00079	ng/g	☼	04/30/18 11:50	05/09/18 22:49	1
PCB-102	0.052	C98	0.024	0.00094	ng/g	☼	04/30/18 11:50	05/09/18 22:49	1
PCB-103	0.043		0.012	0.00087	ng/g	☼	04/30/18 11:50	05/09/18 22:49	1
PCB-104	0.012	q	0.012	0.00067	ng/g	☼	04/30/18 11:50	05/09/18 22:49	1
PCB-105	0.078		0.012	0.0025	ng/g	☼	04/30/18 11:50	05/09/18 22:49	1
PCB-106	ND		0.012	0.0026	ng/g	☼	04/30/18 11:50	05/09/18 22:49	1
PCB-107	0.023	q	0.012	0.0025	ng/g	☼	04/30/18 11:50	05/09/18 22:49	1
PCB-108	0.0091	J C	0.024	0.0026	ng/g	☼	04/30/18 11:50	05/09/18 22:49	1
PCB-109	0.18	B C86	0.071	0.00078	ng/g	☼	04/30/18 11:50	05/09/18 22:49	1
PCB-110	0.32	C B	0.024	0.00064	ng/g	☼	04/30/18 11:50	05/09/18 22:49	1
PCB-111	ND		0.012	0.00060	ng/g	☼	04/30/18 11:50	05/09/18 22:49	1
PCB-112	0.0056	J q	0.012	0.00066	ng/g	☼	04/30/18 11:50	05/09/18 22:49	1
PCB-113	0.39	C90	0.036	0.00079	ng/g	☼	04/30/18 11:50	05/09/18 22:49	1
PCB-114	ND		0.012	0.0023	ng/g	☼	04/30/18 11:50	05/09/18 22:49	1
PCB-115	0.32	B C110	0.024	0.00064	ng/g	☼	04/30/18 11:50	05/09/18 22:49	1
PCB-116	0.052	C85	0.036	0.00074	ng/g	☼	04/30/18 11:50	05/09/18 22:49	1
PCB-117	0.052	C85	0.036	0.00074	ng/g	☼	04/30/18 11:50	05/09/18 22:49	1
PCB-118	0.23		0.012	0.0024	ng/g	☼	04/30/18 11:50	05/09/18 22:49	1
PCB-119	0.18	B C86	0.071	0.00078	ng/g	☼	04/30/18 11:50	05/09/18 22:49	1
PCB-120	0.0028	J B q	0.012	0.00059	ng/g	☼	04/30/18 11:50	05/09/18 22:49	1
PCB-121	0.0026	J q	0.012	0.00064	ng/g	☼	04/30/18 11:50	05/09/18 22:49	1
PCB-122	ND		0.012	0.0029	ng/g	☼	04/30/18 11:50	05/09/18 22:49	1
PCB-123	0.0054	J q	0.012	0.0024	ng/g	☼	04/30/18 11:50	05/09/18 22:49	1
PCB-124	0.0091	J C108	0.024	0.0026	ng/g	☼	04/30/18 11:50	05/09/18 22:49	1
PCB-125	0.18	B C86	0.071	0.00078	ng/g	☼	04/30/18 11:50	05/09/18 22:49	1
PCB-126	ND		0.012	0.0025	ng/g	☼	04/30/18 11:50	05/09/18 22:49	1
PCB-127	ND		0.012	0.0025	ng/g	☼	04/30/18 11:50	05/09/18 22:49	1
PCB-128	0.078	C	0.024	0.0018	ng/g	☼	04/30/18 11:50	05/09/18 22:49	1
PCB-129	0.70	C B	0.047	0.0018	ng/g	☼	04/30/18 11:50	05/09/18 22:49	1
PCB-130	0.038	q	0.012	0.0024	ng/g	☼	04/30/18 11:50	05/09/18 22:49	1
PCB-131	0.0065	J	0.012	0.0024	ng/g	☼	04/30/18 11:50	05/09/18 22:49	1
PCB-132	0.17		0.012	0.0023	ng/g	☼	04/30/18 11:50	05/09/18 22:49	1
PCB-133	0.017		0.012	0.0022	ng/g	☼	04/30/18 11:50	05/09/18 22:49	1
PCB-134	0.039	C	0.024	0.0023	ng/g	☼	04/30/18 11:50	05/09/18 22:49	1
PCB-135	0.28	C	0.024	0.0012	ng/g	☼	04/30/18 11:50	05/09/18 22:49	1
PCB-136	0.10		0.012	0.00090	ng/g	☼	04/30/18 11:50	05/09/18 22:49	1
PCB-137	0.019		0.012	0.0019	ng/g	☼	04/30/18 11:50	05/09/18 22:49	1
PCB-138	0.70	B C129	0.047	0.0018	ng/g	☼	04/30/18 11:50	05/09/18 22:49	1
PCB-139	0.012	J C	0.024	0.0020	ng/g	☼	04/30/18 11:50	05/09/18 22:49	1
PCB-140	0.012	J C139	0.024	0.0020	ng/g	☼	04/30/18 11:50	05/09/18 22:49	1
PCB-141	0.14	q	0.012	0.0021	ng/g	☼	04/30/18 11:50	05/09/18 22:49	1
PCB-142	ND		0.012	0.0023	ng/g	☼	04/30/18 11:50	05/09/18 22:49	1
PCB-143	0.039	C134	0.024	0.0023	ng/g	☼	04/30/18 11:50	05/09/18 22:49	1
PCB-144	0.031		0.012	0.0012	ng/g	☼	04/30/18 11:50	05/09/18 22:49	1
PCB-145	ND		0.012	0.00090	ng/g	☼	04/30/18 11:50	05/09/18 22:49	1
PCB-146	0.13	B	0.012	0.0019	ng/g	☼	04/30/18 11:50	05/09/18 22:49	1
PCB-147	0.61	C B	0.024	0.0020	ng/g	☼	04/30/18 11:50	05/09/18 22:49	1

Client Sample ID: PDI-SG-B204-BL1
Date Collected: 04/19/18 14:05
Date Received: 04/20/18 13:00

Lab Sample ID: 580-76755-23
Matrix: Solid
Percent Solids: 41.7

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-148	0.0035	J q	0.012	0.0012	ng/g	☼	04/30/18 11:50	05/09/18 22:49	1
PCB-149	0.61	B C147	0.024	0.0020	ng/g	☼	04/30/18 11:50	05/09/18 22:49	1
PCB-150	0.0035	J	0.012	0.00081	ng/g	☼	04/30/18 11:50	05/09/18 22:49	1
PCB-151	0.28	C135	0.024	0.0012	ng/g	☼	04/30/18 11:50	05/09/18 22:49	1
PCB-152	0.0057	J	0.012	0.00086	ng/g	☼	04/30/18 11:50	05/09/18 22:49	1
PCB-153	0.69	C B	0.024	0.0016	ng/g	☼	04/30/18 11:50	05/09/18 22:49	1
PCB-154	0.032		0.012	0.0010	ng/g	☼	04/30/18 11:50	05/09/18 22:49	1
PCB-155	ND		0.012	0.00082	ng/g	☼	04/30/18 11:50	05/09/18 22:49	1
PCB-156	0.045	C q	0.024	0.0019	ng/g	☼	04/30/18 11:50	05/09/18 22:49	1
PCB-157	0.045	C156 q	0.024	0.0019	ng/g	☼	04/30/18 11:50	05/09/18 22:49	1
PCB-158	0.066		0.012	0.0014	ng/g	☼	04/30/18 11:50	05/09/18 22:49	1
PCB-159	0.012		0.012	0.0014	ng/g	☼	04/30/18 11:50	05/09/18 22:49	1
PCB-160	0.70	B C129	0.047	0.0018	ng/g	☼	04/30/18 11:50	05/09/18 22:49	1
PCB-161	ND		0.012	0.0015	ng/g	☼	04/30/18 11:50	05/09/18 22:49	1
PCB-162	ND		0.012	0.0014	ng/g	☼	04/30/18 11:50	05/09/18 22:49	1
PCB-163	0.70	B C129	0.047	0.0018	ng/g	☼	04/30/18 11:50	05/09/18 22:49	1
PCB-164	0.051		0.012	0.0015	ng/g	☼	04/30/18 11:50	05/09/18 22:49	1
PCB-165	ND		0.012	0.0017	ng/g	☼	04/30/18 11:50	05/09/18 22:49	1
PCB-166	0.078	C128	0.024	0.0018	ng/g	☼	04/30/18 11:50	05/09/18 22:49	1
PCB-167	0.018	q	0.012	0.0010	ng/g	☼	04/30/18 11:50	05/09/18 22:49	1
PCB-168	0.69	B C153	0.024	0.0016	ng/g	☼	04/30/18 11:50	05/09/18 22:49	1
PCB-169	ND		0.012	0.0011	ng/g	☼	04/30/18 11:50	05/09/18 22:49	1
PCB-170	0.29		0.012	0.0011	ng/g	☼	04/30/18 11:50	05/09/18 22:49	1
PCB-171	0.092	C	0.024	0.0011	ng/g	☼	04/30/18 11:50	05/09/18 22:49	1
PCB-172	0.045	q	0.012	0.0011	ng/g	☼	04/30/18 11:50	05/09/18 22:49	1
PCB-173	0.092	C171	0.024	0.0011	ng/g	☼	04/30/18 11:50	05/09/18 22:49	1
PCB-174	0.32		0.012	0.0011	ng/g	☼	04/30/18 11:50	05/09/18 22:49	1
PCB-175	0.0097	J	0.012	0.0010	ng/g	☼	04/30/18 11:50	05/09/18 22:49	1
PCB-176	0.031	q	0.012	0.00071	ng/g	☼	04/30/18 11:50	05/09/18 22:49	1
PCB-177	0.20		0.012	0.0011	ng/g	☼	04/30/18 11:50	05/09/18 22:49	1
PCB-178	0.065	q	0.012	0.0011	ng/g	☼	04/30/18 11:50	05/09/18 22:49	1
PCB-179	0.13		0.012	0.00078	ng/g	☼	04/30/18 11:50	05/09/18 22:49	1
PCB-180	0.67	C	0.024	0.00084	ng/g	☼	04/30/18 11:50	05/09/18 22:49	1
PCB-181	ND		0.012	0.00097	ng/g	☼	04/30/18 11:50	05/09/18 22:49	1
PCB-182	ND		0.012	0.00092	ng/g	☼	04/30/18 11:50	05/09/18 22:49	1
PCB-183	0.20	C	0.024	0.00094	ng/g	☼	04/30/18 11:50	05/09/18 22:49	1
PCB-184	ND		0.012	0.00079	ng/g	☼	04/30/18 11:50	05/09/18 22:49	1
PCB-185	0.20	C183	0.024	0.00094	ng/g	☼	04/30/18 11:50	05/09/18 22:49	1
PCB-186	ND		0.012	0.00076	ng/g	☼	04/30/18 11:50	05/09/18 22:49	1
PCB-187	0.41		0.012	0.00096	ng/g	☼	04/30/18 11:50	05/09/18 22:49	1
PCB-188	ND		0.012	0.00070	ng/g	☼	04/30/18 11:50	05/09/18 22:49	1
PCB-189	0.0099	J	0.012	0.00081	ng/g	☼	04/30/18 11:50	05/09/18 22:49	1
PCB-190	0.058		0.012	0.00073	ng/g	☼	04/30/18 11:50	05/09/18 22:49	1
PCB-191	0.012	q	0.012	0.00073	ng/g	☼	04/30/18 11:50	05/09/18 22:49	1
PCB-192	ND		0.012	0.00078	ng/g	☼	04/30/18 11:50	05/09/18 22:49	1
PCB-193	0.67	C180	0.024	0.00084	ng/g	☼	04/30/18 11:50	05/09/18 22:49	1
PCB-194	0.16		0.012	0.0017	ng/g	☼	04/30/18 11:50	05/09/18 22:49	1
PCB-195	0.067		0.012	0.0019	ng/g	☼	04/30/18 11:50	05/09/18 22:49	1
PCB-196	0.072		0.012	0.00074	ng/g	☼	04/30/18 11:50	05/09/18 22:49	1

Client Sample ID: PDI-SG-B204-BL1
Date Collected: 04/19/18 14:05
Date Received: 04/20/18 13:00

Lab Sample ID: 580-76755-23
Matrix: Solid
Percent Solids: 41.7

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-197	0.0055	J q	0.012	0.00051	ng/g	☼	04/30/18 11:50	05/09/18 22:49	1
PCB-198	0.16	C B	0.024	0.00079	ng/g	☼	04/30/18 11:50	05/09/18 22:49	1
PCB-199	0.16	C198 B	0.024	0.00079	ng/g	☼	04/30/18 11:50	05/09/18 22:49	1
PCB-200	0.018		0.012	0.00056	ng/g	☼	04/30/18 11:50	05/09/18 22:49	1
PCB-201	0.018		0.012	0.00054	ng/g	☼	04/30/18 11:50	05/09/18 22:49	1
PCB-202	0.029	q	0.012	0.00061	ng/g	☼	04/30/18 11:50	05/09/18 22:49	1
PCB-203	0.092		0.012	0.00070	ng/g	☼	04/30/18 11:50	05/09/18 22:49	1
PCB-204	ND		0.012	0.00056	ng/g	☼	04/30/18 11:50	05/09/18 22:49	1
PCB-205	0.0080	J	0.012	0.0013	ng/g	☼	04/30/18 11:50	05/09/18 22:49	1
PCB-206	0.11		0.012	0.0029	ng/g	☼	04/30/18 11:50	05/09/18 22:49	1
PCB-207	0.0097	J	0.012	0.0018	ng/g	☼	04/30/18 11:50	05/09/18 22:49	1
PCB-208	0.023	q	0.012	0.0019	ng/g	☼	04/30/18 11:50	05/09/18 22:49	1
PCB-209	0.079	q	0.012	0.000078	ng/g	☼	04/30/18 11:50	05/09/18 22:49	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
PCB-1L	*80*		*30 - 140*	*04/30/18 11:50*	*05/09/18 22:49*	*1*
PCB-3L	*73*		*30 - 140*	*04/30/18 11:50*	*05/09/18 22:49*	*1*
PCB-4L	*78*		*30 - 140*	*04/30/18 11:50*	*05/09/18 22:49*	*1*
PCB-15L	*81*		*30 - 140*	*04/30/18 11:50*	*05/09/18 22:49*	*1*
PCB-19L	*75*		*30 - 140*	*04/30/18 11:50*	*05/09/18 22:49*	*1*
PCB-37L	*83*		*30 - 140*	*04/30/18 11:50*	*05/09/18 22:49*	*1*
PCB-54L	*103*		*30 - 140*	*04/30/18 11:50*	*05/09/18 22:49*	*1*
PCB-77L	*91*		*30 - 140*	*04/30/18 11:50*	*05/09/18 22:49*	*1*
PCB-81L	*91*		*30 - 140*	*04/30/18 11:50*	*05/09/18 22:49*	*1*
PCB-104L	*85*		*30 - 140*	*04/30/18 11:50*	*05/09/18 22:49*	*1*
PCB-105L	*84*		*30 - 140*	*04/30/18 11:50*	*05/09/18 22:49*	*1*
PCB-114L	*83*		*30 - 140*	*04/30/18 11:50*	*05/09/18 22:49*	*1*
PCB-118L	*85*		*30 - 140*	*04/30/18 11:50*	*05/09/18 22:49*	*1*
PCB-123L	*82*		*30 - 140*	*04/30/18 11:50*	*05/09/18 22:49*	*1*
PCB-126L	*88*		*30 - 140*	*04/30/18 11:50*	*05/09/18 22:49*	*1*
PCB-155L	*101*		*30 - 140*	*04/30/18 11:50*	*05/09/18 22:49*	*1*
PCB-156L	*84*	*C*	*30 - 140*	*04/30/18 11:50*	*05/09/18 22:49*	*1*
PCB-157L	*84*	*C156*	*30 - 140*	*04/30/18 11:50*	*05/09/18 22:49*	*1*
PCB-167L	*87*		*30 - 140*	*04/30/18 11:50*	*05/09/18 22:49*	*1*
PCB-169L	*84*		*30 - 140*	*04/30/18 11:50*	*05/09/18 22:49*	*1*
PCB-170L	*82*		*30 - 140*	*04/30/18 11:50*	*05/09/18 22:49*	*1*
PCB-188L	*85*		*30 - 140*	*04/30/18 11:50*	*05/09/18 22:49*	*1*
PCB-189L	*120*		*30 - 140*	*04/30/18 11:50*	*05/09/18 22:49*	*1*
PCB-202L	*96*		*30 - 140*	*04/30/18 11:50*	*05/09/18 22:49*	*1*
PCB-205L	*79*		*30 - 140*	*04/30/18 11:50*	*05/09/18 22:49*	*1*
PCB-206L	*65*		*30 - 140*	*04/30/18 11:50*	*05/09/18 22:49*	*1*
PCB-208L	*71*		*30 - 140*	*04/30/18 11:50*	*05/09/18 22:49*	*1*
PCB-209L	*61*		*30 - 140*	*04/30/18 11:50*	*05/09/18 22:49*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
PCB-28L	*80*		*40 - 125*	*04/30/18 11:50*	*05/09/18 22:49*	*1*
PCB-111L	*87*		*40 - 125*	*04/30/18 11:50*	*05/09/18 22:49*	*1*
PCB-178L	*90*		*40 - 125*	*04/30/18 11:50*	*05/09/18 22:49*	*1*

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

TestAmerica Job ID: 580-76755-3

Client Sample ID: PDI-SG-B203-BL1
Date Collected: 04/19/18 12:30
Date Received: 04/20/18 13:00

Lab Sample ID: 580-76755-24
Matrix: Solid
Percent Solids: 42.5

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1	0.0038	J B q	0.012	0.00027	ng/g	☼	04/30/18 11:50	05/10/18 16:04	1
PCB-2	0.016	B	0.012	0.00028	ng/g	☼	04/30/18 11:50	05/10/18 16:04	1
PCB-3	0.0068	J	0.012	0.00030	ng/g	☼	04/30/18 11:50	05/10/18 16:04	1
PCB-4	0.064		0.023	0.0014	ng/g	☼	04/30/18 11:50	05/10/18 16:04	1
PCB-5	ND		0.012	0.00089	ng/g	☼	04/30/18 11:50	05/10/18 16:04	1
PCB-6	0.0067	J	0.012	0.00088	ng/g	☼	04/30/18 11:50	05/10/18 16:04	1
PCB-7	ND		0.012	0.00084	ng/g	☼	04/30/18 11:50	05/10/18 16:04	1
PCB-8	0.014	J B q	0.023	0.00086	ng/g	☼	04/30/18 11:50	05/10/18 16:04	1
PCB-9	ND		0.012	0.00097	ng/g	☼	04/30/18 11:50	05/10/18 16:04	1
PCB-10	0.0080	J	0.012	0.00095	ng/g	☼	04/30/18 11:50	05/10/18 16:04	1
PCB-11	0.057	B	0.023	0.00080	ng/g	☼	04/30/18 11:50	05/10/18 16:04	1
PCB-12	0.0033	J C q	0.023	0.00081	ng/g	☼	04/30/18 11:50	05/10/18 16:04	1
PCB-13	0.0033	J C12 q	0.023	0.00081	ng/g	☼	04/30/18 11:50	05/10/18 16:04	1
PCB-14	ND		0.012	0.00074	ng/g	☼	04/30/18 11:50	05/10/18 16:04	1
PCB-15	0.019		0.012	0.00083	ng/g	☼	04/30/18 11:50	05/10/18 16:04	1
PCB-16	0.019		0.012	0.00083	ng/g	☼	04/30/18 11:50	05/10/18 16:04	1
PCB-17	0.047		0.012	0.00063	ng/g	☼	04/30/18 11:50	05/10/18 16:04	1
PCB-18	0.027	C	0.023	0.00055	ng/g	☼	04/30/18 11:50	05/10/18 16:04	1
PCB-19	0.15		0.012	0.00078	ng/g	☼	04/30/18 11:50	05/10/18 16:04	1
PCB-20	0.085	C B	0.023	0.0013	ng/g	☼	04/30/18 11:50	05/10/18 16:04	1
PCB-21	0.036	C B	0.023	0.0012	ng/g	☼	04/30/18 11:50	05/10/18 16:04	1
PCB-22	0.018	B q	0.012	0.0014	ng/g	☼	04/30/18 11:50	05/10/18 16:04	1
PCB-23	ND		0.012	0.0013	ng/g	☼	04/30/18 11:50	05/10/18 16:04	1
PCB-24	ND		0.012	0.00048	ng/g	☼	04/30/18 11:50	05/10/18 16:04	1
PCB-25	0.015		0.012	0.0013	ng/g	☼	04/30/18 11:50	05/10/18 16:04	1
PCB-26	0.015	J C	0.023	0.0013	ng/g	☼	04/30/18 11:50	05/10/18 16:04	1
PCB-27	0.023		0.012	0.00047	ng/g	☼	04/30/18 11:50	05/10/18 16:04	1
PCB-28	0.085	B C20	0.023	0.0013	ng/g	☼	04/30/18 11:50	05/10/18 16:04	1
PCB-29	0.015	J C26	0.023	0.0013	ng/g	☼	04/30/18 11:50	05/10/18 16:04	1
PCB-30	0.027	C18	0.023	0.00055	ng/g	☼	04/30/18 11:50	05/10/18 16:04	1
PCB-31	0.052	B	0.023	0.0012	ng/g	☼	04/30/18 11:50	05/10/18 16:04	1
PCB-32	0.022		0.012	0.00043	ng/g	☼	04/30/18 11:50	05/10/18 16:04	1
PCB-33	0.036	B C21	0.023	0.0012	ng/g	☼	04/30/18 11:50	05/10/18 16:04	1
PCB-34	ND		0.012	0.0014	ng/g	☼	04/30/18 11:50	05/10/18 16:04	1
PCB-35	ND		0.012	0.0013	ng/g	☼	04/30/18 11:50	05/10/18 16:04	1
PCB-36	ND		0.012	0.0012	ng/g	☼	04/30/18 11:50	05/10/18 16:04	1
PCB-37	0.026	B	0.012	0.0012	ng/g	☼	04/30/18 11:50	05/10/18 16:04	1
PCB-38	ND		0.012	0.0013	ng/g	☼	04/30/18 11:50	05/10/18 16:04	1
PCB-39	ND		0.012	0.0012	ng/g	☼	04/30/18 11:50	05/10/18 16:04	1
PCB-40	0.076	C	0.035	0.0023	ng/g	☼	04/30/18 11:50	05/10/18 16:04	1
PCB-41	0.076	C40	0.035	0.0023	ng/g	☼	04/30/18 11:50	05/10/18 16:04	1
PCB-42	0.028		0.012	0.0023	ng/g	☼	04/30/18 11:50	05/10/18 16:04	1
PCB-43	0.019	J C q	0.023	0.0021	ng/g	☼	04/30/18 11:50	05/10/18 16:04	1
PCB-44	0.60	C B	0.035	0.0021	ng/g	☼	04/30/18 11:50	05/10/18 16:04	1
PCB-45	0.22	C	0.023	0.0024	ng/g	☼	04/30/18 11:50	05/10/18 16:04	1
PCB-46	ND		0.012	0.0028	ng/g	☼	04/30/18 11:50	05/10/18 16:04	1
PCB-47	0.60	B C44	0.035	0.0021	ng/g	☼	04/30/18 11:50	05/10/18 16:04	1
PCB-48	0.019		0.012	0.0022	ng/g	☼	04/30/18 11:50	05/10/18 16:04	1
PCB-49	0.18	C B	0.023	0.0019	ng/g	☼	04/30/18 11:50	05/10/18 16:04	1

Client Sample ID: PDI-SG-B203-BL1
Date Collected: 04/19/18 12:30
Date Received: 04/20/18 13:00

Lab Sample ID: 580-76755-24
Matrix: Solid
Percent Solids: 42.5

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-50	0.10	C	0.023	0.0023	ng/g	☼	04/30/18 11:50	05/10/18 16:04	1
PCB-51	0.22	C45	0.023	0.0024	ng/g	☼	04/30/18 11:50	05/10/18 16:04	1
PCB-52	0.20	B	0.012	0.0024	ng/g	☼	04/30/18 11:50	05/10/18 16:04	1
PCB-53	0.10	C50	0.023	0.0023	ng/g	☼	04/30/18 11:50	05/10/18 16:04	1
PCB-54	0.056		0.012	0.00014	ng/g	☼	04/30/18 11:50	05/10/18 16:04	1
PCB-55	ND		0.012	0.0016	ng/g	☼	04/30/18 11:50	05/10/18 16:04	1
PCB-56	0.039	B	0.012	0.0016	ng/g	☼	04/30/18 11:50	05/10/18 16:04	1
PCB-57	ND		0.012	0.0016	ng/g	☼	04/30/18 11:50	05/10/18 16:04	1
PCB-58	ND		0.012	0.0015	ng/g	☼	04/30/18 11:50	05/10/18 16:04	1
PCB-59	0.027	J C	0.035	0.0016	ng/g	☼	04/30/18 11:50	05/10/18 16:04	1
PCB-60	0.015		0.012	0.0016	ng/g	☼	04/30/18 11:50	05/10/18 16:04	1
PCB-61	0.17	C B	0.046	0.0015	ng/g	☼	04/30/18 11:50	05/10/18 16:04	1
PCB-62	0.027	J C59	0.035	0.0016	ng/g	☼	04/30/18 11:50	05/10/18 16:04	1
PCB-63	ND		0.012	0.0014	ng/g	☼	04/30/18 11:50	05/10/18 16:04	1
PCB-64	0.037		0.012	0.0015	ng/g	☼	04/30/18 11:50	05/10/18 16:04	1
PCB-65	0.60	B C44	0.035	0.0021	ng/g	☼	04/30/18 11:50	05/10/18 16:04	1
PCB-66	0.12		0.012	0.0015	ng/g	☼	04/30/18 11:50	05/10/18 16:04	1
PCB-67	ND		0.012	0.0015	ng/g	☼	04/30/18 11:50	05/10/18 16:04	1
PCB-68	0.0078	J	0.012	0.0014	ng/g	☼	04/30/18 11:50	05/10/18 16:04	1
PCB-69	0.18	B C49	0.023	0.0019	ng/g	☼	04/30/18 11:50	05/10/18 16:04	1
PCB-70	0.17	C61 B	0.046	0.0015	ng/g	☼	04/30/18 11:50	05/10/18 16:04	1
PCB-71	0.076	C40	0.035	0.0023	ng/g	☼	04/30/18 11:50	05/10/18 16:04	1
PCB-72	ND		0.012	0.0016	ng/g	☼	04/30/18 11:50	05/10/18 16:04	1
PCB-73	0.019	J C43 q	0.023	0.0021	ng/g	☼	04/30/18 11:50	05/10/18 16:04	1
PCB-74	0.17	C61 B	0.046	0.0015	ng/g	☼	04/30/18 11:50	05/10/18 16:04	1
PCB-75	0.027	J C59	0.035	0.0016	ng/g	☼	04/30/18 11:50	05/10/18 16:04	1
PCB-76	0.17	C61 B	0.046	0.0015	ng/g	☼	04/30/18 11:50	05/10/18 16:04	1
PCB-77	0.013		0.012	0.0014	ng/g	☼	04/30/18 11:50	05/10/18 16:04	1
PCB-78	ND		0.012	0.0016	ng/g	☼	04/30/18 11:50	05/10/18 16:04	1
PCB-79	0.0026	J	0.012	0.0013	ng/g	☼	04/30/18 11:50	05/10/18 16:04	1
PCB-80	ND		0.012	0.0014	ng/g	☼	04/30/18 11:50	05/10/18 16:04	1
PCB-81	ND		0.012	0.0015	ng/g	☼	04/30/18 11:50	05/10/18 16:04	1
PCB-82	0.028		0.012	0.0010	ng/g	☼	04/30/18 11:50	05/10/18 16:04	1
PCB-83	0.33	C	0.023	0.00097	ng/g	☼	04/30/18 11:50	05/10/18 16:04	1
PCB-84	0.072		0.012	0.0011	ng/g	☼	04/30/18 11:50	05/10/18 16:04	1
PCB-85	0.053	C	0.035	0.00073	ng/g	☼	04/30/18 11:50	05/10/18 16:04	1
PCB-86	0.22	C B	0.069	0.00077	ng/g	☼	04/30/18 11:50	05/10/18 16:04	1
PCB-87	0.22	B C86	0.069	0.00077	ng/g	☼	04/30/18 11:50	05/10/18 16:04	1
PCB-88	0.089	C	0.023	0.00092	ng/g	☼	04/30/18 11:50	05/10/18 16:04	1
PCB-89	ND		0.012	0.00099	ng/g	☼	04/30/18 11:50	05/10/18 16:04	1
PCB-90	0.43	C	0.035	0.00078	ng/g	☼	04/30/18 11:50	05/10/18 16:04	1
PCB-91	0.089	C88	0.023	0.00092	ng/g	☼	04/30/18 11:50	05/10/18 16:04	1
PCB-92	0.093	q	0.012	0.00095	ng/g	☼	04/30/18 11:50	05/10/18 16:04	1
PCB-93	0.18	C	0.023	0.00094	ng/g	☼	04/30/18 11:50	05/10/18 16:04	1
PCB-94	0.021	q	0.012	0.0010	ng/g	☼	04/30/18 11:50	05/10/18 16:04	1
PCB-95	0.29	B	0.012	0.00097	ng/g	☼	04/30/18 11:50	05/10/18 16:04	1
PCB-96	0.014		0.012	0.00074	ng/g	☼	04/30/18 11:50	05/10/18 16:04	1
PCB-97	0.22	B C86	0.069	0.00077	ng/g	☼	04/30/18 11:50	05/10/18 16:04	1
PCB-98	0.045	C	0.023	0.00093	ng/g	☼	04/30/18 11:50	05/10/18 16:04	1

Client Sample ID: PDI-SG-B203-BL1
Date Collected: 04/19/18 12:30
Date Received: 04/20/18 13:00

Lab Sample ID: 580-76755-24
Matrix: Solid
Percent Solids: 42.5

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-99	0.33	C83	0.023	0.00097	ng/g	☼	04/30/18 11:50	05/10/18 16:04	1
PCB-100	0.18	C93	0.023	0.00094	ng/g	☼	04/30/18 11:50	05/10/18 16:04	1
PCB-101	0.43	C90	0.035	0.00078	ng/g	☼	04/30/18 11:50	05/10/18 16:04	1
PCB-102	0.045	C98	0.023	0.00093	ng/g	☼	04/30/18 11:50	05/10/18 16:04	1
PCB-103	0.032	q	0.012	0.00086	ng/g	☼	04/30/18 11:50	05/10/18 16:04	1
PCB-104	0.017	q	0.012	0.00067	ng/g	☼	04/30/18 11:50	05/10/18 16:04	1
PCB-105	0.097		0.012	0.0025	ng/g	☼	04/30/18 11:50	05/10/18 16:04	1
PCB-106	ND		0.012	0.0026	ng/g	☼	04/30/18 11:50	05/10/18 16:04	1
PCB-107	0.027		0.012	0.0025	ng/g	☼	04/30/18 11:50	05/10/18 16:04	1
PCB-108	0.010	J C q	0.023	0.0026	ng/g	☼	04/30/18 11:50	05/10/18 16:04	1
PCB-109	0.22	B C86	0.069	0.00077	ng/g	☼	04/30/18 11:50	05/10/18 16:04	1
PCB-110	0.36	C B	0.023	0.00064	ng/g	☼	04/30/18 11:50	05/10/18 16:04	1
PCB-111	ND		0.012	0.00060	ng/g	☼	04/30/18 11:50	05/10/18 16:04	1
PCB-112	0.012		0.012	0.00065	ng/g	☼	04/30/18 11:50	05/10/18 16:04	1
PCB-113	0.43	C90	0.035	0.00078	ng/g	☼	04/30/18 11:50	05/10/18 16:04	1
PCB-114	0.0040	J q	0.012	0.0024	ng/g	☼	04/30/18 11:50	05/10/18 16:04	1
PCB-115	0.36	B C110	0.023	0.00064	ng/g	☼	04/30/18 11:50	05/10/18 16:04	1
PCB-116	0.053	C85	0.035	0.00073	ng/g	☼	04/30/18 11:50	05/10/18 16:04	1
PCB-117	0.053	C85	0.035	0.00073	ng/g	☼	04/30/18 11:50	05/10/18 16:04	1
PCB-118	0.26		0.012	0.0024	ng/g	☼	04/30/18 11:50	05/10/18 16:04	1
PCB-119	0.22	B C86	0.069	0.00077	ng/g	☼	04/30/18 11:50	05/10/18 16:04	1
PCB-120	0.0037	J B q	0.012	0.00059	ng/g	☼	04/30/18 11:50	05/10/18 16:04	1
PCB-121	0.0025	J q	0.012	0.00064	ng/g	☼	04/30/18 11:50	05/10/18 16:04	1
PCB-122	ND		0.012	0.0029	ng/g	☼	04/30/18 11:50	05/10/18 16:04	1
PCB-123	ND		0.012	0.0023	ng/g	☼	04/30/18 11:50	05/10/18 16:04	1
PCB-124	0.010	J q C108	0.023	0.0026	ng/g	☼	04/30/18 11:50	05/10/18 16:04	1
PCB-125	0.22	B C86	0.069	0.00077	ng/g	☼	04/30/18 11:50	05/10/18 16:04	1
PCB-126	ND		0.012	0.0025	ng/g	☼	04/30/18 11:50	05/10/18 16:04	1
PCB-127	ND		0.012	0.0025	ng/g	☼	04/30/18 11:50	05/10/18 16:04	1
PCB-128	0.097	C	0.023	0.0018	ng/g	☼	04/30/18 11:50	05/10/18 16:04	1
PCB-129	0.80	C B	0.046	0.0018	ng/g	☼	04/30/18 11:50	05/10/18 16:04	1
PCB-130	0.053		0.012	0.0024	ng/g	☼	04/30/18 11:50	05/10/18 16:04	1
PCB-131	0.0073	J	0.012	0.0025	ng/g	☼	04/30/18 11:50	05/10/18 16:04	1
PCB-132	0.22		0.012	0.0024	ng/g	☼	04/30/18 11:50	05/10/18 16:04	1
PCB-133	0.013	q	0.012	0.0023	ng/g	☼	04/30/18 11:50	05/10/18 16:04	1
PCB-134	0.051	C	0.023	0.0024	ng/g	☼	04/30/18 11:50	05/10/18 16:04	1
PCB-135	0.37	C	0.023	0.00012	ng/g	☼	04/30/18 11:50	05/10/18 16:04	1
PCB-136	0.11		0.012	0.000084	ng/g	☼	04/30/18 11:50	05/10/18 16:04	1
PCB-137	0.024		0.012	0.0020	ng/g	☼	04/30/18 11:50	05/10/18 16:04	1
PCB-138	0.80	B C129	0.046	0.0018	ng/g	☼	04/30/18 11:50	05/10/18 16:04	1
PCB-139	0.0095	J C q	0.023	0.0020	ng/g	☼	04/30/18 11:50	05/10/18 16:04	1
PCB-140	0.0095	J C139 q	0.023	0.0020	ng/g	☼	04/30/18 11:50	05/10/18 16:04	1
PCB-141	0.16		0.012	0.0021	ng/g	☼	04/30/18 11:50	05/10/18 16:04	1
PCB-142	ND		0.012	0.0023	ng/g	☼	04/30/18 11:50	05/10/18 16:04	1
PCB-143	0.051	C134	0.023	0.0024	ng/g	☼	04/30/18 11:50	05/10/18 16:04	1
PCB-144	0.038		0.012	0.00011	ng/g	☼	04/30/18 11:50	05/10/18 16:04	1
PCB-145	ND		0.012	0.000084	ng/g	☼	04/30/18 11:50	05/10/18 16:04	1
PCB-146	0.17	B	0.012	0.0019	ng/g	☼	04/30/18 11:50	05/10/18 16:04	1
PCB-147	0.75	C B	0.023	0.0021	ng/g	☼	04/30/18 11:50	05/10/18 16:04	1

Client Sample ID: PDI-SG-B203-BL1
Date Collected: 04/19/18 12:30
Date Received: 04/20/18 13:00

Lab Sample ID: 580-76755-24
Matrix: Solid
Percent Solids: 42.5

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-148	0.0068	J	0.012	0.00011	ng/g	☼	04/30/18 11:50	05/10/18 16:04	1
PCB-149	0.75	B C147	0.023	0.0021	ng/g	☼	04/30/18 11:50	05/10/18 16:04	1
PCB-150	0.0041	J q	0.012	0.000076	ng/g	☼	04/30/18 11:50	05/10/18 16:04	1
PCB-151	0.37	C135	0.023	0.00012	ng/g	☼	04/30/18 11:50	05/10/18 16:04	1
PCB-152	0.0040	J q	0.012	0.000081	ng/g	☼	04/30/18 11:50	05/10/18 16:04	1
PCB-153	0.82	C B	0.023	0.0016	ng/g	☼	04/30/18 11:50	05/10/18 16:04	1
PCB-154	0.036		0.012	0.000097	ng/g	☼	04/30/18 11:50	05/10/18 16:04	1
PCB-155	0.0010	J q	0.012	0.000077	ng/g	☼	04/30/18 11:50	05/10/18 16:04	1
PCB-156	0.072	C	0.023	0.0019	ng/g	☼	04/30/18 11:50	05/10/18 16:04	1
PCB-157	0.072	C156	0.023	0.0019	ng/g	☼	04/30/18 11:50	05/10/18 16:04	1
PCB-158	0.067		0.012	0.0014	ng/g	☼	04/30/18 11:50	05/10/18 16:04	1
PCB-159	0.014		0.012	0.0015	ng/g	☼	04/30/18 11:50	05/10/18 16:04	1
PCB-160	0.80	B C129	0.046	0.0018	ng/g	☼	04/30/18 11:50	05/10/18 16:04	1
PCB-161	ND		0.012	0.0015	ng/g	☼	04/30/18 11:50	05/10/18 16:04	1
PCB-162	ND		0.012	0.0014	ng/g	☼	04/30/18 11:50	05/10/18 16:04	1
PCB-163	0.80	B C129	0.046	0.0018	ng/g	☼	04/30/18 11:50	05/10/18 16:04	1
PCB-164	0.059		0.012	0.0015	ng/g	☼	04/30/18 11:50	05/10/18 16:04	1
PCB-165	ND		0.012	0.0017	ng/g	☼	04/30/18 11:50	05/10/18 16:04	1
PCB-166	0.097	C128	0.023	0.0018	ng/g	☼	04/30/18 11:50	05/10/18 16:04	1
PCB-167	0.026		0.012	0.0011	ng/g	☼	04/30/18 11:50	05/10/18 16:04	1
PCB-168	0.82	B C153	0.023	0.0016	ng/g	☼	04/30/18 11:50	05/10/18 16:04	1
PCB-169	ND		0.012	0.0011	ng/g	☼	04/30/18 11:50	05/10/18 16:04	1
PCB-170	0.39		0.012	0.00015	ng/g	☼	04/30/18 11:50	05/10/18 16:04	1
PCB-171	0.12	C	0.023	0.00015	ng/g	☼	04/30/18 11:50	05/10/18 16:04	1
PCB-172	0.075		0.012	0.00015	ng/g	☼	04/30/18 11:50	05/10/18 16:04	1
PCB-173	0.12	C171	0.023	0.00015	ng/g	☼	04/30/18 11:50	05/10/18 16:04	1
PCB-174	0.41		0.012	0.00015	ng/g	☼	04/30/18 11:50	05/10/18 16:04	1
PCB-175	0.013		0.012	0.00014	ng/g	☼	04/30/18 11:50	05/10/18 16:04	1
PCB-176	0.044		0.012	0.000097	ng/g	☼	04/30/18 11:50	05/10/18 16:04	1
PCB-177	0.23		0.012	0.00016	ng/g	☼	04/30/18 11:50	05/10/18 16:04	1
PCB-178	0.079		0.012	0.00014	ng/g	☼	04/30/18 11:50	05/10/18 16:04	1
PCB-179	0.17		0.012	0.00011	ng/g	☼	04/30/18 11:50	05/10/18 16:04	1
PCB-180	0.90	C	0.023	0.00011	ng/g	☼	04/30/18 11:50	05/10/18 16:04	1
PCB-181	ND		0.012	0.00013	ng/g	☼	04/30/18 11:50	05/10/18 16:04	1
PCB-182	ND		0.012	0.00013	ng/g	☼	04/30/18 11:50	05/10/18 16:04	1
PCB-183	0.26	C	0.023	0.00013	ng/g	☼	04/30/18 11:50	05/10/18 16:04	1
PCB-184	ND		0.012	0.00011	ng/g	☼	04/30/18 11:50	05/10/18 16:04	1
PCB-185	0.26	C183	0.023	0.00013	ng/g	☼	04/30/18 11:50	05/10/18 16:04	1
PCB-186	ND		0.012	0.00010	ng/g	☼	04/30/18 11:50	05/10/18 16:04	1
PCB-187	0.49		0.012	0.00013	ng/g	☼	04/30/18 11:50	05/10/18 16:04	1
PCB-188	ND		0.012	0.000095	ng/g	☼	04/30/18 11:50	05/10/18 16:04	1
PCB-189	0.015		0.012	0.00070	ng/g	☼	04/30/18 11:50	05/10/18 16:04	1
PCB-190	0.078		0.012	0.000099	ng/g	☼	04/30/18 11:50	05/10/18 16:04	1
PCB-191	0.015	q	0.012	0.00010	ng/g	☼	04/30/18 11:50	05/10/18 16:04	1
PCB-192	ND		0.012	0.00011	ng/g	☼	04/30/18 11:50	05/10/18 16:04	1
PCB-193	0.90	C180	0.023	0.00011	ng/g	☼	04/30/18 11:50	05/10/18 16:04	1
PCB-194	0.20		0.012	0.0014	ng/g	☼	04/30/18 11:50	05/10/18 16:04	1
PCB-195	0.085		0.012	0.0016	ng/g	☼	04/30/18 11:50	05/10/18 16:04	1
PCB-196	0.089		0.012	0.00011	ng/g	☼	04/30/18 11:50	05/10/18 16:04	1

Client Sample ID: PDI-SG-B203-BL1
Date Collected: 04/19/18 12:30
Date Received: 04/20/18 13:00

Lab Sample ID: 580-76755-24
Matrix: Solid
Percent Solids: 42.5

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-197	0.0056	J q	0.012	0.000077	ng/g	☼	04/30/18 11:50	05/10/18 16:04	1
PCB-198	0.19	C B	0.023	0.00012	ng/g	☼	04/30/18 11:50	05/10/18 16:04	1
PCB-199	0.19	C198 B	0.023	0.00012	ng/g	☼	04/30/18 11:50	05/10/18 16:04	1
PCB-200	0.018	q	0.012	0.000084	ng/g	☼	04/30/18 11:50	05/10/18 16:04	1
PCB-201	0.021	q	0.012	0.000081	ng/g	☼	04/30/18 11:50	05/10/18 16:04	1
PCB-202	0.036		0.012	0.000092	ng/g	☼	04/30/18 11:50	05/10/18 16:04	1
PCB-203	0.12		0.012	0.00010	ng/g	☼	04/30/18 11:50	05/10/18 16:04	1
PCB-204	ND		0.012	0.000084	ng/g	☼	04/30/18 11:50	05/10/18 16:04	1
PCB-205	0.0077	J q	0.012	0.0011	ng/g	☼	04/30/18 11:50	05/10/18 16:04	1
PCB-206	0.087		0.012	0.00086	ng/g	☼	04/30/18 11:50	05/10/18 16:04	1
PCB-207	0.011	J	0.012	0.00058	ng/g	☼	04/30/18 11:50	05/10/18 16:04	1
PCB-208	0.025		0.012	0.00064	ng/g	☼	04/30/18 11:50	05/10/18 16:04	1
PCB-209	0.063		0.012	0.000088	ng/g	☼	04/30/18 11:50	05/10/18 16:04	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
PCB-1L	*67*		*30 - 140*	*04/30/18 11:50*	*05/10/18 16:04*	*1*
PCB-3L	*71*		*30 - 140*	*04/30/18 11:50*	*05/10/18 16:04*	*1*
PCB-4L	*71*		*30 - 140*	*04/30/18 11:50*	*05/10/18 16:04*	*1*
PCB-15L	*74*		*30 - 140*	*04/30/18 11:50*	*05/10/18 16:04*	*1*
PCB-19L	*79*		*30 - 140*	*04/30/18 11:50*	*05/10/18 16:04*	*1*
PCB-37L	*86*		*30 - 140*	*04/30/18 11:50*	*05/10/18 16:04*	*1*
PCB-54L	*102*		*30 - 140*	*04/30/18 11:50*	*05/10/18 16:04*	*1*
PCB-77L	*92*		*30 - 140*	*04/30/18 11:50*	*05/10/18 16:04*	*1*
PCB-81L	*88*		*30 - 140*	*04/30/18 11:50*	*05/10/18 16:04*	*1*
PCB-104L	*94*		*30 - 140*	*04/30/18 11:50*	*05/10/18 16:04*	*1*
PCB-105L	*86*		*30 - 140*	*04/30/18 11:50*	*05/10/18 16:04*	*1*
PCB-114L	*86*		*30 - 140*	*04/30/18 11:50*	*05/10/18 16:04*	*1*
PCB-118L	*90*		*30 - 140*	*04/30/18 11:50*	*05/10/18 16:04*	*1*
PCB-123L	*89*		*30 - 140*	*04/30/18 11:50*	*05/10/18 16:04*	*1*
PCB-126L	*89*		*30 - 140*	*04/30/18 11:50*	*05/10/18 16:04*	*1*
PCB-155L	*109*		*30 - 140*	*04/30/18 11:50*	*05/10/18 16:04*	*1*
PCB-156L	*92*	*C*	*30 - 140*	*04/30/18 11:50*	*05/10/18 16:04*	*1*
PCB-157L	*92*	*C156*	*30 - 140*	*04/30/18 11:50*	*05/10/18 16:04*	*1*
PCB-167L	*90*		*30 - 140*	*04/30/18 11:50*	*05/10/18 16:04*	*1*
PCB-169L	*89*		*30 - 140*	*04/30/18 11:50*	*05/10/18 16:04*	*1*
PCB-170L	*81*		*30 - 140*	*04/30/18 11:50*	*05/10/18 16:04*	*1*
PCB-188L	*88*		*30 - 140*	*04/30/18 11:50*	*05/10/18 16:04*	*1*
PCB-189L	*105*		*30 - 140*	*04/30/18 11:50*	*05/10/18 16:04*	*1*
PCB-202L	*96*		*30 - 140*	*04/30/18 11:50*	*05/10/18 16:04*	*1*
PCB-205L	*83*		*30 - 140*	*04/30/18 11:50*	*05/10/18 16:04*	*1*
PCB-206L	*75*		*30 - 140*	*04/30/18 11:50*	*05/10/18 16:04*	*1*
PCB-208L	*74*		*30 - 140*	*04/30/18 11:50*	*05/10/18 16:04*	*1*
PCB-209L	*65*		*30 - 140*	*04/30/18 11:50*	*05/10/18 16:04*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
PCB-28L	*77*		*40 - 125*	*04/30/18 11:50*	*05/10/18 16:04*	*1*
PCB-111L	*98*		*40 - 125*	*04/30/18 11:50*	*05/10/18 16:04*	*1*
PCB-178L	*83*		*40 - 125*	*04/30/18 11:50*	*05/10/18 16:04*	*1*

Client Sample ID: PDI-SG-B200-BL1
Date Collected: 04/19/18 11:30
Date Received: 04/20/18 13:00

Lab Sample ID: 580-76755-25
Matrix: Solid
Percent Solids: 49.7

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1	0.0049	J B q	0.010	0.00053	ng/g	☼	04/30/18 11:50	05/10/18 17:07	1
PCB-2	0.017	B	0.010	0.00056	ng/g	☼	04/30/18 11:50	05/10/18 17:07	1
PCB-3	0.0053	J q	0.010	0.00062	ng/g	☼	04/30/18 11:50	05/10/18 17:07	1
PCB-4	0.045		0.020	0.0014	ng/g	☼	04/30/18 11:50	05/10/18 17:07	1
PCB-5	ND		0.010	0.00088	ng/g	☼	04/30/18 11:50	05/10/18 17:07	1
PCB-6	0.0072	J	0.010	0.00087	ng/g	☼	04/30/18 11:50	05/10/18 17:07	1
PCB-7	ND		0.010	0.00083	ng/g	☼	04/30/18 11:50	05/10/18 17:07	1
PCB-8	0.019	J B	0.020	0.00085	ng/g	☼	04/30/18 11:50	05/10/18 17:07	1
PCB-9	ND		0.010	0.00096	ng/g	☼	04/30/18 11:50	05/10/18 17:07	1
PCB-10	0.0038	J	0.010	0.00094	ng/g	☼	04/30/18 11:50	05/10/18 17:07	1
PCB-11	0.047	B	0.020	0.00079	ng/g	☼	04/30/18 11:50	05/10/18 17:07	1
PCB-12	0.0046	J C	0.020	0.00080	ng/g	☼	04/30/18 11:50	05/10/18 17:07	1
PCB-13	0.0046	J C12	0.020	0.00080	ng/g	☼	04/30/18 11:50	05/10/18 17:07	1
PCB-14	ND		0.010	0.00073	ng/g	☼	04/30/18 11:50	05/10/18 17:07	1
PCB-15	0.023	q	0.010	0.00080	ng/g	☼	04/30/18 11:50	05/10/18 17:07	1
PCB-16	0.010	q	0.010	0.0015	ng/g	☼	04/30/18 11:50	05/10/18 17:07	1
PCB-17	0.051		0.010	0.0012	ng/g	☼	04/30/18 11:50	05/10/18 17:07	1
PCB-18	0.032	C q	0.020	0.0010	ng/g	☼	04/30/18 11:50	05/10/18 17:07	1
PCB-19	0.11		0.010	0.0015	ng/g	☼	04/30/18 11:50	05/10/18 17:07	1
PCB-20	0.11	C B	0.020	0.0010	ng/g	☼	04/30/18 11:50	05/10/18 17:07	1
PCB-21	0.045	C B	0.020	0.00097	ng/g	☼	04/30/18 11:50	05/10/18 17:07	1
PCB-22	0.025	B	0.010	0.0011	ng/g	☼	04/30/18 11:50	05/10/18 17:07	1
PCB-23	ND		0.010	0.0010	ng/g	☼	04/30/18 11:50	05/10/18 17:07	1
PCB-24	ND		0.010	0.00089	ng/g	☼	04/30/18 11:50	05/10/18 17:07	1
PCB-25	0.017		0.010	0.00099	ng/g	☼	04/30/18 11:50	05/10/18 17:07	1
PCB-26	0.020	C	0.020	0.0010	ng/g	☼	04/30/18 11:50	05/10/18 17:07	1
PCB-27	0.017	q	0.010	0.00088	ng/g	☼	04/30/18 11:50	05/10/18 17:07	1
PCB-28	0.11	B C20	0.020	0.0010	ng/g	☼	04/30/18 11:50	05/10/18 17:07	1
PCB-29	0.020	C26	0.020	0.0010	ng/g	☼	04/30/18 11:50	05/10/18 17:07	1
PCB-30	0.032	C18 q	0.020	0.0010	ng/g	☼	04/30/18 11:50	05/10/18 17:07	1
PCB-31	0.064	B	0.020	0.00096	ng/g	☼	04/30/18 11:50	05/10/18 17:07	1
PCB-32	0.031		0.010	0.00081	ng/g	☼	04/30/18 11:50	05/10/18 17:07	1
PCB-33	0.045	B C21	0.020	0.00097	ng/g	☼	04/30/18 11:50	05/10/18 17:07	1
PCB-34	ND		0.010	0.0011	ng/g	☼	04/30/18 11:50	05/10/18 17:07	1
PCB-35	0.0027	J	0.010	0.0010	ng/g	☼	04/30/18 11:50	05/10/18 17:07	1
PCB-36	ND		0.010	0.00093	ng/g	☼	04/30/18 11:50	05/10/18 17:07	1
PCB-37	0.032	B	0.010	0.00097	ng/g	☼	04/30/18 11:50	05/10/18 17:07	1
PCB-38	ND		0.010	0.0010	ng/g	☼	04/30/18 11:50	05/10/18 17:07	1
PCB-39	ND		0.010	0.00092	ng/g	☼	04/30/18 11:50	05/10/18 17:07	1
PCB-40	0.087	C q	0.030	0.0018	ng/g	☼	04/30/18 11:50	05/10/18 17:07	1
PCB-41	0.087	q C40	0.030	0.0018	ng/g	☼	04/30/18 11:50	05/10/18 17:07	1
PCB-42	0.040		0.010	0.0018	ng/g	☼	04/30/18 11:50	05/10/18 17:07	1
PCB-43	0.026	C	0.020	0.0016	ng/g	☼	04/30/18 11:50	05/10/18 17:07	1
PCB-44	0.51	C B	0.030	0.0016	ng/g	☼	04/30/18 11:50	05/10/18 17:07	1
PCB-45	0.24	C	0.020	0.0019	ng/g	☼	04/30/18 11:50	05/10/18 17:07	1
PCB-46	0.014		0.010	0.0022	ng/g	☼	04/30/18 11:50	05/10/18 17:07	1
PCB-47	0.51	B C44	0.030	0.0016	ng/g	☼	04/30/18 11:50	05/10/18 17:07	1
PCB-48	0.019	q	0.010	0.0017	ng/g	☼	04/30/18 11:50	05/10/18 17:07	1
PCB-49	0.18	C B	0.020	0.0014	ng/g	☼	04/30/18 11:50	05/10/18 17:07	1

Client Sample ID: PDI-SG-B200-BL1
Date Collected: 04/19/18 11:30
Date Received: 04/20/18 13:00

Lab Sample ID: 580-76755-25
Matrix: Solid
Percent Solids: 49.7

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-50	0.13	C	0.020	0.0018	ng/g	☼	04/30/18 11:50	05/10/18 17:07	1
PCB-51	0.24	C45	0.020	0.0019	ng/g	☼	04/30/18 11:50	05/10/18 17:07	1
PCB-52	0.24	B	0.010	0.0019	ng/g	☼	04/30/18 11:50	05/10/18 17:07	1
PCB-53	0.13	C50	0.020	0.0018	ng/g	☼	04/30/18 11:50	05/10/18 17:07	1
PCB-54	0.052	q	0.010	0.00018	ng/g	☼	04/30/18 11:50	05/10/18 17:07	1
PCB-55	ND		0.010	0.0012	ng/g	☼	04/30/18 11:50	05/10/18 17:07	1
PCB-56	0.052	B	0.010	0.0013	ng/g	☼	04/30/18 11:50	05/10/18 17:07	1
PCB-57	ND		0.010	0.0013	ng/g	☼	04/30/18 11:50	05/10/18 17:07	1
PCB-58	ND		0.010	0.0012	ng/g	☼	04/30/18 11:50	05/10/18 17:07	1
PCB-59	0.029	J C	0.030	0.0012	ng/g	☼	04/30/18 11:50	05/10/18 17:07	1
PCB-60	0.016		0.010	0.0012	ng/g	☼	04/30/18 11:50	05/10/18 17:07	1
PCB-61	0.23	C B	0.040	0.0012	ng/g	☼	04/30/18 11:50	05/10/18 17:07	1
PCB-62	0.029	J C59	0.030	0.0012	ng/g	☼	04/30/18 11:50	05/10/18 17:07	1
PCB-63	0.0063	J	0.010	0.0011	ng/g	☼	04/30/18 11:50	05/10/18 17:07	1
PCB-64	0.050		0.010	0.0011	ng/g	☼	04/30/18 11:50	05/10/18 17:07	1
PCB-65	0.51	B C44	0.030	0.0016	ng/g	☼	04/30/18 11:50	05/10/18 17:07	1
PCB-66	0.16		0.010	0.0012	ng/g	☼	04/30/18 11:50	05/10/18 17:07	1
PCB-67	0.0049	J	0.010	0.0012	ng/g	☼	04/30/18 11:50	05/10/18 17:07	1
PCB-68	0.0085	J	0.010	0.0011	ng/g	☼	04/30/18 11:50	05/10/18 17:07	1
PCB-69	0.18	B C49	0.020	0.0014	ng/g	☼	04/30/18 11:50	05/10/18 17:07	1
PCB-70	0.23	C61 B	0.040	0.0012	ng/g	☼	04/30/18 11:50	05/10/18 17:07	1
PCB-71	0.087	q C40	0.030	0.0018	ng/g	☼	04/30/18 11:50	05/10/18 17:07	1
PCB-72	0.0053	J	0.010	0.0012	ng/g	☼	04/30/18 11:50	05/10/18 17:07	1
PCB-73	0.026	C43	0.020	0.0016	ng/g	☼	04/30/18 11:50	05/10/18 17:07	1
PCB-74	0.23	C61 B	0.040	0.0012	ng/g	☼	04/30/18 11:50	05/10/18 17:07	1
PCB-75	0.029	J C59	0.030	0.0012	ng/g	☼	04/30/18 11:50	05/10/18 17:07	1
PCB-76	0.23	C61 B	0.040	0.0012	ng/g	☼	04/30/18 11:50	05/10/18 17:07	1
PCB-77	0.014		0.010	0.0011	ng/g	☼	04/30/18 11:50	05/10/18 17:07	1
PCB-78	ND		0.010	0.0012	ng/g	☼	04/30/18 11:50	05/10/18 17:07	1
PCB-79	0.0031	J	0.010	0.0010	ng/g	☼	04/30/18 11:50	05/10/18 17:07	1
PCB-80	ND		0.010	0.0011	ng/g	☼	04/30/18 11:50	05/10/18 17:07	1
PCB-81	ND		0.010	0.0011	ng/g	☼	04/30/18 11:50	05/10/18 17:07	1
PCB-82	0.031		0.010	0.0017	ng/g	☼	04/30/18 11:50	05/10/18 17:07	1
PCB-83	0.34	C	0.020	0.0016	ng/g	☼	04/30/18 11:50	05/10/18 17:07	1
PCB-84	0.075	q	0.010	0.0018	ng/g	☼	04/30/18 11:50	05/10/18 17:07	1
PCB-85	0.056	C q	0.030	0.0012	ng/g	☼	04/30/18 11:50	05/10/18 17:07	1
PCB-86	0.23	C B	0.060	0.0013	ng/g	☼	04/30/18 11:50	05/10/18 17:07	1
PCB-87	0.23	B C86	0.060	0.0013	ng/g	☼	04/30/18 11:50	05/10/18 17:07	1
PCB-88	0.093	C	0.020	0.0015	ng/g	☼	04/30/18 11:50	05/10/18 17:07	1
PCB-89	ND		0.010	0.0016	ng/g	☼	04/30/18 11:50	05/10/18 17:07	1
PCB-90	0.48	C	0.030	0.0013	ng/g	☼	04/30/18 11:50	05/10/18 17:07	1
PCB-91	0.093	C88	0.020	0.0015	ng/g	☼	04/30/18 11:50	05/10/18 17:07	1
PCB-92	0.14		0.010	0.0016	ng/g	☼	04/30/18 11:50	05/10/18 17:07	1
PCB-93	0.17	C	0.020	0.0015	ng/g	☼	04/30/18 11:50	05/10/18 17:07	1
PCB-94	0.024		0.010	0.0016	ng/g	☼	04/30/18 11:50	05/10/18 17:07	1
PCB-95	0.35	B	0.010	0.0016	ng/g	☼	04/30/18 11:50	05/10/18 17:07	1
PCB-96	0.011	q	0.010	0.0012	ng/g	☼	04/30/18 11:50	05/10/18 17:07	1
PCB-97	0.23	B C86	0.060	0.0013	ng/g	☼	04/30/18 11:50	05/10/18 17:07	1
PCB-98	0.045	C	0.020	0.0015	ng/g	☼	04/30/18 11:50	05/10/18 17:07	1

Client Sample ID: PDI-SG-B200-BL1
Date Collected: 04/19/18 11:30
Date Received: 04/20/18 13:00

Lab Sample ID: 580-76755-25
Matrix: Solid
Percent Solids: 49.7

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-99	0.34	C83	0.020	0.0016	ng/g	☼	04/30/18 11:50	05/10/18 17:07	1
PCB-100	0.17	C93	0.020	0.0015	ng/g	☼	04/30/18 11:50	05/10/18 17:07	1
PCB-101	0.48	C90	0.030	0.0013	ng/g	☼	04/30/18 11:50	05/10/18 17:07	1
PCB-102	0.045	C98	0.020	0.0015	ng/g	☼	04/30/18 11:50	05/10/18 17:07	1
PCB-103	0.043	q	0.010	0.0014	ng/g	☼	04/30/18 11:50	05/10/18 17:07	1
PCB-104	0.018		0.010	0.0011	ng/g	☼	04/30/18 11:50	05/10/18 17:07	1
PCB-105	0.087		0.010	0.0023	ng/g	☼	04/30/18 11:50	05/10/18 17:07	1
PCB-106	ND		0.010	0.0024	ng/g	☼	04/30/18 11:50	05/10/18 17:07	1
PCB-107	0.027		0.010	0.0024	ng/g	☼	04/30/18 11:50	05/10/18 17:07	1
PCB-108	0.0097	J C	0.020	0.0025	ng/g	☼	04/30/18 11:50	05/10/18 17:07	1
PCB-109	0.23	B C86	0.060	0.0013	ng/g	☼	04/30/18 11:50	05/10/18 17:07	1
PCB-110	0.39	C B	0.020	0.0011	ng/g	☼	04/30/18 11:50	05/10/18 17:07	1
PCB-111	0.0035	J q	0.010	0.00099	ng/g	☼	04/30/18 11:50	05/10/18 17:07	1
PCB-112	0.013		0.010	0.0011	ng/g	☼	04/30/18 11:50	05/10/18 17:07	1
PCB-113	0.48	C90	0.030	0.0013	ng/g	☼	04/30/18 11:50	05/10/18 17:07	1
PCB-114	0.0045	J q	0.010	0.0022	ng/g	☼	04/30/18 11:50	05/10/18 17:07	1
PCB-115	0.39	B C110	0.020	0.0011	ng/g	☼	04/30/18 11:50	05/10/18 17:07	1
PCB-116	0.056	C85 q	0.030	0.0012	ng/g	☼	04/30/18 11:50	05/10/18 17:07	1
PCB-117	0.056	C85 q	0.030	0.0012	ng/g	☼	04/30/18 11:50	05/10/18 17:07	1
PCB-118	0.27		0.010	0.0023	ng/g	☼	04/30/18 11:50	05/10/18 17:07	1
PCB-119	0.23	B C86	0.060	0.0013	ng/g	☼	04/30/18 11:50	05/10/18 17:07	1
PCB-120	0.0047	J B q	0.010	0.00098	ng/g	☼	04/30/18 11:50	05/10/18 17:07	1
PCB-121	ND		0.010	0.0011	ng/g	☼	04/30/18 11:50	05/10/18 17:07	1
PCB-122	ND		0.010	0.0027	ng/g	☼	04/30/18 11:50	05/10/18 17:07	1
PCB-123	0.0032	J q	0.010	0.0022	ng/g	☼	04/30/18 11:50	05/10/18 17:07	1
PCB-124	0.0097	J C108	0.020	0.0025	ng/g	☼	04/30/18 11:50	05/10/18 17:07	1
PCB-125	0.23	B C86	0.060	0.0013	ng/g	☼	04/30/18 11:50	05/10/18 17:07	1
PCB-126	ND		0.010	0.0023	ng/g	☼	04/30/18 11:50	05/10/18 17:07	1
PCB-127	ND		0.010	0.0023	ng/g	☼	04/30/18 11:50	05/10/18 17:07	1
PCB-128	0.098	C	0.020	0.0018	ng/g	☼	04/30/18 11:50	05/10/18 17:07	1
PCB-129	0.83	C B	0.040	0.0019	ng/g	☼	04/30/18 11:50	05/10/18 17:07	1
PCB-130	0.051		0.010	0.0025	ng/g	☼	04/30/18 11:50	05/10/18 17:07	1
PCB-131	ND		0.010	0.0025	ng/g	☼	04/30/18 11:50	05/10/18 17:07	1
PCB-132	0.23		0.010	0.0024	ng/g	☼	04/30/18 11:50	05/10/18 17:07	1
PCB-133	0.024		0.010	0.0023	ng/g	☼	04/30/18 11:50	05/10/18 17:07	1
PCB-134	0.044	C	0.020	0.0024	ng/g	☼	04/30/18 11:50	05/10/18 17:07	1
PCB-135	0.39	C	0.020	0.00089	ng/g	☼	04/30/18 11:50	05/10/18 17:07	1
PCB-136	0.11		0.010	0.00064	ng/g	☼	04/30/18 11:50	05/10/18 17:07	1
PCB-137	0.022		0.010	0.0020	ng/g	☼	04/30/18 11:50	05/10/18 17:07	1
PCB-138	0.83	B C129	0.040	0.0019	ng/g	☼	04/30/18 11:50	05/10/18 17:07	1
PCB-139	0.015	J C	0.020	0.0021	ng/g	☼	04/30/18 11:50	05/10/18 17:07	1
PCB-140	0.015	J C139	0.020	0.0021	ng/g	☼	04/30/18 11:50	05/10/18 17:07	1
PCB-141	0.19		0.010	0.0022	ng/g	☼	04/30/18 11:50	05/10/18 17:07	1
PCB-142	ND		0.010	0.0024	ng/g	☼	04/30/18 11:50	05/10/18 17:07	1
PCB-143	0.044	C134	0.020	0.0024	ng/g	☼	04/30/18 11:50	05/10/18 17:07	1
PCB-144	0.038		0.010	0.00083	ng/g	☼	04/30/18 11:50	05/10/18 17:07	1
PCB-145	ND		0.010	0.00064	ng/g	☼	04/30/18 11:50	05/10/18 17:07	1
PCB-146	0.18	B	0.010	0.0020	ng/g	☼	04/30/18 11:50	05/10/18 17:07	1
PCB-147	0.77	C B	0.020	0.0021	ng/g	☼	04/30/18 11:50	05/10/18 17:07	1

Client Sample ID: PDI-SG-B200-BL1
Date Collected: 04/19/18 11:30
Date Received: 04/20/18 13:00

Lab Sample ID: 580-76755-25
Matrix: Solid
Percent Solids: 49.7

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-148	0.0043	J q	0.010	0.00086	ng/g	☼	04/30/18 11:50	05/10/18 17:07	1
PCB-149	0.77	B C147	0.020	0.0021	ng/g	☼	04/30/18 11:50	05/10/18 17:07	1
PCB-150	0.0034	J q	0.010	0.00058	ng/g	☼	04/30/18 11:50	05/10/18 17:07	1
PCB-151	0.39	C135	0.020	0.00089	ng/g	☼	04/30/18 11:50	05/10/18 17:07	1
PCB-152	0.0037	J q	0.010	0.00062	ng/g	☼	04/30/18 11:50	05/10/18 17:07	1
PCB-153	0.87	C B	0.020	0.0016	ng/g	☼	04/30/18 11:50	05/10/18 17:07	1
PCB-154	0.037		0.010	0.00074	ng/g	☼	04/30/18 11:50	05/10/18 17:07	1
PCB-155	0.0029	J q	0.010	0.00059	ng/g	☼	04/30/18 11:50	05/10/18 17:07	1
PCB-156	0.055	C q	0.020	0.0019	ng/g	☼	04/30/18 11:50	05/10/18 17:07	1
PCB-157	0.055	C156 q	0.020	0.0019	ng/g	☼	04/30/18 11:50	05/10/18 17:07	1
PCB-158	0.070		0.010	0.0014	ng/g	☼	04/30/18 11:50	05/10/18 17:07	1
PCB-159	0.014		0.010	0.0015	ng/g	☼	04/30/18 11:50	05/10/18 17:07	1
PCB-160	0.83	B C129	0.040	0.0019	ng/g	☼	04/30/18 11:50	05/10/18 17:07	1
PCB-161	ND		0.010	0.0015	ng/g	☼	04/30/18 11:50	05/10/18 17:07	1
PCB-162	ND		0.010	0.0015	ng/g	☼	04/30/18 11:50	05/10/18 17:07	1
PCB-163	0.83	B C129	0.040	0.0019	ng/g	☼	04/30/18 11:50	05/10/18 17:07	1
PCB-164	0.066		0.010	0.0016	ng/g	☼	04/30/18 11:50	05/10/18 17:07	1
PCB-165	ND		0.010	0.0018	ng/g	☼	04/30/18 11:50	05/10/18 17:07	1
PCB-166	0.098	C128	0.020	0.0018	ng/g	☼	04/30/18 11:50	05/10/18 17:07	1
PCB-167	0.025		0.010	0.0011	ng/g	☼	04/30/18 11:50	05/10/18 17:07	1
PCB-168	0.87	B C153	0.020	0.0016	ng/g	☼	04/30/18 11:50	05/10/18 17:07	1
PCB-169	ND		0.010	0.0011	ng/g	☼	04/30/18 11:50	05/10/18 17:07	1
PCB-170	0.37		0.010	0.00089	ng/g	☼	04/30/18 11:50	05/10/18 17:07	1
PCB-171	0.11	C	0.020	0.00085	ng/g	☼	04/30/18 11:50	05/10/18 17:07	1
PCB-172	0.066		0.010	0.00084	ng/g	☼	04/30/18 11:50	05/10/18 17:07	1
PCB-173	0.11	C171	0.020	0.00085	ng/g	☼	04/30/18 11:50	05/10/18 17:07	1
PCB-174	0.42		0.010	0.00087	ng/g	☼	04/30/18 11:50	05/10/18 17:07	1
PCB-175	0.014	q	0.010	0.00079	ng/g	☼	04/30/18 11:50	05/10/18 17:07	1
PCB-176	0.053		0.010	0.00055	ng/g	☼	04/30/18 11:50	05/10/18 17:07	1
PCB-177	0.24		0.010	0.00088	ng/g	☼	04/30/18 11:50	05/10/18 17:07	1
PCB-178	0.095		0.010	0.00082	ng/g	☼	04/30/18 11:50	05/10/18 17:07	1
PCB-179	0.18		0.010	0.00061	ng/g	☼	04/30/18 11:50	05/10/18 17:07	1
PCB-180	0.79	C	0.020	0.00065	ng/g	☼	04/30/18 11:50	05/10/18 17:07	1
PCB-181	ND		0.010	0.00075	ng/g	☼	04/30/18 11:50	05/10/18 17:07	1
PCB-182	ND		0.010	0.00071	ng/g	☼	04/30/18 11:50	05/10/18 17:07	1
PCB-183	0.26	C	0.020	0.00073	ng/g	☼	04/30/18 11:50	05/10/18 17:07	1
PCB-184	ND		0.010	0.00061	ng/g	☼	04/30/18 11:50	05/10/18 17:07	1
PCB-185	0.26	C183	0.020	0.00073	ng/g	☼	04/30/18 11:50	05/10/18 17:07	1
PCB-186	ND		0.010	0.00059	ng/g	☼	04/30/18 11:50	05/10/18 17:07	1
PCB-187	0.51		0.010	0.00074	ng/g	☼	04/30/18 11:50	05/10/18 17:07	1
PCB-188	ND		0.010	0.00053	ng/g	☼	04/30/18 11:50	05/10/18 17:07	1
PCB-189	0.013		0.010	0.0010	ng/g	☼	04/30/18 11:50	05/10/18 17:07	1
PCB-190	0.073		0.010	0.00056	ng/g	☼	04/30/18 11:50	05/10/18 17:07	1
PCB-191	0.016		0.010	0.00057	ng/g	☼	04/30/18 11:50	05/10/18 17:07	1
PCB-192	ND		0.010	0.00060	ng/g	☼	04/30/18 11:50	05/10/18 17:07	1
PCB-193	0.79	C180	0.020	0.00065	ng/g	☼	04/30/18 11:50	05/10/18 17:07	1
PCB-194	0.18		0.010	0.0014	ng/g	☼	04/30/18 11:50	05/10/18 17:07	1
PCB-195	0.082		0.010	0.0016	ng/g	☼	04/30/18 11:50	05/10/18 17:07	1
PCB-196	0.087		0.010	0.00021	ng/g	☼	04/30/18 11:50	05/10/18 17:07	1

Client Sample ID: PDI-SG-B200-BL1
Date Collected: 04/19/18 11:30
Date Received: 04/20/18 13:00

Lab Sample ID: 580-76755-25
Matrix: Solid
Percent Solids: 49.7

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-197	0.0034	J q	0.010	0.00015	ng/g	☼	04/30/18 11:50	05/10/18 17:07	1
PCB-198	0.18	C B	0.020	0.00022	ng/g	☼	04/30/18 11:50	05/10/18 17:07	1
PCB-199	0.18	C198 B	0.020	0.00022	ng/g	☼	04/30/18 11:50	05/10/18 17:07	1
PCB-200	0.016	q	0.010	0.00016	ng/g	☼	04/30/18 11:50	05/10/18 17:07	1
PCB-201	0.022		0.010	0.00015	ng/g	☼	04/30/18 11:50	05/10/18 17:07	1
PCB-202	0.034		0.010	0.00017	ng/g	☼	04/30/18 11:50	05/10/18 17:07	1
PCB-203	0.11		0.010	0.00020	ng/g	☼	04/30/18 11:50	05/10/18 17:07	1
PCB-204	ND		0.010	0.00016	ng/g	☼	04/30/18 11:50	05/10/18 17:07	1
PCB-205	0.0090	J	0.010	0.0011	ng/g	☼	04/30/18 11:50	05/10/18 17:07	1
PCB-206	0.078	q	0.010	0.0030	ng/g	☼	04/30/18 11:50	05/10/18 17:07	1
PCB-207	0.011		0.010	0.0019	ng/g	☼	04/30/18 11:50	05/10/18 17:07	1
PCB-208	0.014	q	0.010	0.0020	ng/g	☼	04/30/18 11:50	05/10/18 17:07	1
PCB-209	0.062		0.010	0.000076	ng/g	☼	04/30/18 11:50	05/10/18 17:07	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
PCB-1L	*72*		*30 - 140*	*04/30/18 11:50*	*05/10/18 17:07*	*1*
PCB-3L	*72*		*30 - 140*	*04/30/18 11:50*	*05/10/18 17:07*	*1*
PCB-4L	*72*		*30 - 140*	*04/30/18 11:50*	*05/10/18 17:07*	*1*
PCB-15L	*84*		*30 - 140*	*04/30/18 11:50*	*05/10/18 17:07*	*1*
PCB-19L	*80*		*30 - 140*	*04/30/18 11:50*	*05/10/18 17:07*	*1*
PCB-37L	*85*		*30 - 140*	*04/30/18 11:50*	*05/10/18 17:07*	*1*
PCB-54L	*106*		*30 - 140*	*04/30/18 11:50*	*05/10/18 17:07*	*1*
PCB-77L	*88*		*30 - 140*	*04/30/18 11:50*	*05/10/18 17:07*	*1*
PCB-81L	*88*		*30 - 140*	*04/30/18 11:50*	*05/10/18 17:07*	*1*
PCB-104L	*89*		*30 - 140*	*04/30/18 11:50*	*05/10/18 17:07*	*1*
PCB-105L	*86*		*30 - 140*	*04/30/18 11:50*	*05/10/18 17:07*	*1*
PCB-114L	*83*		*30 - 140*	*04/30/18 11:50*	*05/10/18 17:07*	*1*
PCB-118L	*86*		*30 - 140*	*04/30/18 11:50*	*05/10/18 17:07*	*1*
PCB-123L	*84*		*30 - 140*	*04/30/18 11:50*	*05/10/18 17:07*	*1*
PCB-126L	*87*		*30 - 140*	*04/30/18 11:50*	*05/10/18 17:07*	*1*
PCB-155L	*105*		*30 - 140*	*04/30/18 11:50*	*05/10/18 17:07*	*1*
PCB-156L	*83*	*C*	*30 - 140*	*04/30/18 11:50*	*05/10/18 17:07*	*1*
PCB-157L	*83*	*C156*	*30 - 140*	*04/30/18 11:50*	*05/10/18 17:07*	*1*
PCB-167L	*83*		*30 - 140*	*04/30/18 11:50*	*05/10/18 17:07*	*1*
PCB-169L	*82*		*30 - 140*	*04/30/18 11:50*	*05/10/18 17:07*	*1*
PCB-170L	*82*		*30 - 140*	*04/30/18 11:50*	*05/10/18 17:07*	*1*
PCB-188L	*90*		*30 - 140*	*04/30/18 11:50*	*05/10/18 17:07*	*1*
PCB-189L	*104*		*30 - 140*	*04/30/18 11:50*	*05/10/18 17:07*	*1*
PCB-202L	*98*		*30 - 140*	*04/30/18 11:50*	*05/10/18 17:07*	*1*
PCB-205L	*78*		*30 - 140*	*04/30/18 11:50*	*05/10/18 17:07*	*1*
PCB-206L	*68*		*30 - 140*	*04/30/18 11:50*	*05/10/18 17:07*	*1*
PCB-208L	*73*		*30 - 140*	*04/30/18 11:50*	*05/10/18 17:07*	*1*
PCB-209L	*61*		*30 - 140*	*04/30/18 11:50*	*05/10/18 17:07*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
PCB-28L	*80*		*40 - 125*	*04/30/18 11:50*	*05/10/18 17:07*	*1*
PCB-111L	*92*		*40 - 125*	*04/30/18 11:50*	*05/10/18 17:07*	*1*
PCB-178L	*92*		*40 - 125*	*04/30/18 11:50*	*05/10/18 17:07*	*1*

Client Sample ID: PDI-SG-B197-BL1
Date Collected: 04/19/18 10:40
Date Received: 04/20/18 13:00

Lab Sample ID: 580-76755-26
Matrix: Solid
Percent Solids: 61.2

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1	0.0022	J q B	0.0098	0.00030	ng/g	☼	04/30/18 11:50	05/10/18 18:11	1
PCB-2	0.0056	J B	0.0098	0.00031	ng/g	☼	04/30/18 11:50	05/10/18 18:11	1
PCB-3	0.0036	J	0.0098	0.00032	ng/g	☼	04/30/18 11:50	05/10/18 18:11	1
PCB-4	0.0058	J q	0.020	0.00095	ng/g	☼	04/30/18 11:50	05/10/18 18:11	1
PCB-5	ND		0.0098	0.00062	ng/g	☼	04/30/18 11:50	05/10/18 18:11	1
PCB-6	0.0016	J q	0.0098	0.00061	ng/g	☼	04/30/18 11:50	05/10/18 18:11	1
PCB-7	0.0016	J	0.0098	0.00058	ng/g	☼	04/30/18 11:50	05/10/18 18:11	1
PCB-8	0.011	J B	0.020	0.00060	ng/g	☼	04/30/18 11:50	05/10/18 18:11	1
PCB-9	0.0015	J q B	0.0098	0.00068	ng/g	☼	04/30/18 11:50	05/10/18 18:11	1
PCB-10	ND		0.0098	0.00066	ng/g	☼	04/30/18 11:50	05/10/18 18:11	1
PCB-11	0.026	B	0.020	0.00056	ng/g	☼	04/30/18 11:50	05/10/18 18:11	1
PCB-12	0.0020	J q C	0.020	0.00056	ng/g	☼	04/30/18 11:50	05/10/18 18:11	1
PCB-13	0.0020	J q C12	0.020	0.00056	ng/g	☼	04/30/18 11:50	05/10/18 18:11	1
PCB-14	ND		0.0098	0.00051	ng/g	☼	04/30/18 11:50	05/10/18 18:11	1
PCB-15	0.0089	J	0.0098	0.00058	ng/g	☼	04/30/18 11:50	05/10/18 18:11	1
PCB-16	0.0031	J q	0.0098	0.00011	ng/g	☼	04/30/18 11:50	05/10/18 18:11	1
PCB-17	0.012	q	0.0098	0.000085	ng/g	☼	04/30/18 11:50	05/10/18 18:11	1
PCB-18	0.013	J q C	0.020	0.000075	ng/g	☼	04/30/18 11:50	05/10/18 18:11	1
PCB-19	0.014	q	0.0098	0.00011	ng/g	☼	04/30/18 11:50	05/10/18 18:11	1
PCB-20	0.048	C B	0.020	0.00061	ng/g	☼	04/30/18 11:50	05/10/18 18:11	1
PCB-21	0.020	C B	0.020	0.00057	ng/g	☼	04/30/18 11:50	05/10/18 18:11	1
PCB-22	0.012	B	0.0098	0.00062	ng/g	☼	04/30/18 11:50	05/10/18 18:11	1
PCB-23	ND		0.0098	0.00061	ng/g	☼	04/30/18 11:50	05/10/18 18:11	1
PCB-24	ND		0.0098	0.000065	ng/g	☼	04/30/18 11:50	05/10/18 18:11	1
PCB-25	0.0048	J	0.0098	0.00058	ng/g	☼	04/30/18 11:50	05/10/18 18:11	1
PCB-26	0.0073	J C	0.020	0.00061	ng/g	☼	04/30/18 11:50	05/10/18 18:11	1
PCB-27	0.0014	J q	0.0098	0.000064	ng/g	☼	04/30/18 11:50	05/10/18 18:11	1
PCB-28	0.048	C20 B	0.020	0.00061	ng/g	☼	04/30/18 11:50	05/10/18 18:11	1
PCB-29	0.0073	J C26	0.020	0.00061	ng/g	☼	04/30/18 11:50	05/10/18 18:11	1
PCB-30	0.013	J q C18	0.020	0.000075	ng/g	☼	04/30/18 11:50	05/10/18 18:11	1
PCB-31	0.028	B	0.020	0.00056	ng/g	☼	04/30/18 11:50	05/10/18 18:11	1
PCB-32	0.0062	J q	0.0098	0.000059	ng/g	☼	04/30/18 11:50	05/10/18 18:11	1
PCB-33	0.020	C21 B	0.020	0.00057	ng/g	☼	04/30/18 11:50	05/10/18 18:11	1
PCB-34	ND		0.0098	0.00063	ng/g	☼	04/30/18 11:50	05/10/18 18:11	1
PCB-35	ND		0.0098	0.00060	ng/g	☼	04/30/18 11:50	05/10/18 18:11	1
PCB-36	ND		0.0098	0.00055	ng/g	☼	04/30/18 11:50	05/10/18 18:11	1
PCB-37	0.015	B	0.0098	0.00056	ng/g	☼	04/30/18 11:50	05/10/18 18:11	1
PCB-38	ND		0.0098	0.00059	ng/g	☼	04/30/18 11:50	05/10/18 18:11	1
PCB-39	ND		0.0098	0.00054	ng/g	☼	04/30/18 11:50	05/10/18 18:11	1
PCB-40	0.024	J q C	0.029	0.0011	ng/g	☼	04/30/18 11:50	05/10/18 18:11	1
PCB-41	0.024	J q C40	0.029	0.0011	ng/g	☼	04/30/18 11:50	05/10/18 18:11	1
PCB-42	0.014		0.0098	0.0011	ng/g	☼	04/30/18 11:50	05/10/18 18:11	1
PCB-43	0.0014	J q C	0.020	0.00099	ng/g	☼	04/30/18 11:50	05/10/18 18:11	1
PCB-44	0.093	C B	0.029	0.00098	ng/g	☼	04/30/18 11:50	05/10/18 18:11	1
PCB-45	0.019	J q C	0.020	0.0012	ng/g	☼	04/30/18 11:50	05/10/18 18:11	1
PCB-46	0.0021	J q	0.0098	0.0014	ng/g	☼	04/30/18 11:50	05/10/18 18:11	1
PCB-47	0.093	C44 B	0.029	0.00098	ng/g	☼	04/30/18 11:50	05/10/18 18:11	1
PCB-48	0.0075	J	0.0098	0.0011	ng/g	☼	04/30/18 11:50	05/10/18 18:11	1
PCB-49	0.055	C B	0.020	0.00088	ng/g	☼	04/30/18 11:50	05/10/18 18:11	1

Client Sample ID: PDI-SG-B197-BL1
Date Collected: 04/19/18 10:40
Date Received: 04/20/18 13:00

Lab Sample ID: 580-76755-26
Matrix: Solid
Percent Solids: 61.2

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-50	**0.017**	**J C**	0.020	0.0011	ng/g	☼	04/30/18 11:50	05/10/18 18:11	1
PCB-51	**0.019**	**J q C45**	0.020	0.0012	ng/g	☼	04/30/18 11:50	05/10/18 18:11	1
PCB-52	**0.086**	**B**	0.0098	0.0012	ng/g	☼	04/30/18 11:50	05/10/18 18:11	1
PCB-53	**0.017**	**J C50**	0.020	0.0011	ng/g	☼	04/30/18 11:50	05/10/18 18:11	1
PCB-54	**0.0041**	**J q**	0.0098	0.00011	ng/g	☼	04/30/18 11:50	05/10/18 18:11	1
PCB-55	ND		0.0098	0.00075	ng/g	☼	04/30/18 11:50	05/10/18 18:11	1
PCB-56	**0.019**	**B**	0.0098	0.00076	ng/g	☼	04/30/18 11:50	05/10/18 18:11	1
PCB-57	ND		0.0098	0.00077	ng/g	☼	04/30/18 11:50	05/10/18 18:11	1
PCB-58	ND		0.0098	0.00074	ng/g	☼	04/30/18 11:50	05/10/18 18:11	1
PCB-59	ND	C	0.029	0.00074	ng/g	☼	04/30/18 11:50	05/10/18 18:11	1
PCB-60	**0.0050**	**J q**	0.0098	0.00075	ng/g	☼	04/30/18 11:50	05/10/18 18:11	1
PCB-61	**0.082**	**C B**	0.039	0.00072	ng/g	☼	04/30/18 11:50	05/10/18 18:11	1
PCB-62	ND	C59	0.029	0.00074	ng/g	☼	04/30/18 11:50	05/10/18 18:11	1
PCB-63	**0.0024**	**J q**	0.0098	0.00066	ng/g	☼	04/30/18 11:50	05/10/18 18:11	1
PCB-64	**0.018**		0.0098	0.00070	ng/g	☼	04/30/18 11:50	05/10/18 18:11	1
PCB-65	**0.093**	**C44 B**	0.029	0.00098	ng/g	☼	04/30/18 11:50	05/10/18 18:11	1
PCB-66	**0.058**		0.0098	0.00073	ng/g	☼	04/30/18 11:50	05/10/18 18:11	1
PCB-67	ND		0.0098	0.00071	ng/g	☼	04/30/18 11:50	05/10/18 18:11	1
PCB-68	**0.0024**	**J**	0.0098	0.00067	ng/g	☼	04/30/18 11:50	05/10/18 18:11	1
PCB-69	**0.055**	**C49 B**	0.020	0.00088	ng/g	☼	04/30/18 11:50	05/10/18 18:11	1
PCB-70	**0.082**	**C61 B**	0.039	0.00072	ng/g	☼	04/30/18 11:50	05/10/18 18:11	1
PCB-71	**0.024**	**J q C40**	0.029	0.0011	ng/g	☼	04/30/18 11:50	05/10/18 18:11	1
PCB-72	ND		0.0098	0.00075	ng/g	☼	04/30/18 11:50	05/10/18 18:11	1
PCB-73	**0.0014**	**J q C43**	0.020	0.00099	ng/g	☼	04/30/18 11:50	05/10/18 18:11	1
PCB-74	**0.082**	**C61 B**	0.039	0.00072	ng/g	☼	04/30/18 11:50	05/10/18 18:11	1
PCB-75	ND	C59	0.029	0.00074	ng/g	☼	04/30/18 11:50	05/10/18 18:11	1
PCB-76	**0.082**	**C61 B**	0.039	0.00072	ng/g	☼	04/30/18 11:50	05/10/18 18:11	1
PCB-77	**0.0060**	**J**	0.0098	0.00069	ng/g	☼	04/30/18 11:50	05/10/18 18:11	1
PCB-78	ND		0.0098	0.00074	ng/g	☼	04/30/18 11:50	05/10/18 18:11	1
PCB-79	ND		0.0098	0.00063	ng/g	☼	04/30/18 11:50	05/10/18 18:11	1
PCB-80	ND		0.0098	0.00065	ng/g	☼	04/30/18 11:50	05/10/18 18:11	1
PCB-81	ND		0.0098	0.00070	ng/g	☼	04/30/18 11:50	05/10/18 18:11	1
PCB-82	**0.011**	**q**	0.0098	0.0013	ng/g	☼	04/30/18 11:50	05/10/18 18:11	1
PCB-83	**0.11**	**q C**	0.020	0.0012	ng/g	☼	04/30/18 11:50	05/10/18 18:11	1
PCB-84	**0.028**		0.0098	0.0014	ng/g	☼	04/30/18 11:50	05/10/18 18:11	1
PCB-85	**0.021**	**J C**	0.029	0.00094	ng/g	☼	04/30/18 11:50	05/10/18 18:11	1
PCB-86	**0.073**	**C B**	0.059	0.0010	ng/g	☼	04/30/18 11:50	05/10/18 18:11	1
PCB-87	**0.073**	**C86 B**	0.059	0.0010	ng/g	☼	04/30/18 11:50	05/10/18 18:11	1
PCB-88	**0.039**	**C**	0.020	0.0012	ng/g	☼	04/30/18 11:50	05/10/18 18:11	1
PCB-89	ND		0.0098	0.0013	ng/g	☼	04/30/18 11:50	05/10/18 18:11	1
PCB-90	**0.14**	**C**	0.029	0.0010	ng/g	☼	04/30/18 11:50	05/10/18 18:11	1
PCB-91	**0.039**	**C88**	0.020	0.0012	ng/g	☼	04/30/18 11:50	05/10/18 18:11	1
PCB-92	**0.036**		0.0098	0.0012	ng/g	☼	04/30/18 11:50	05/10/18 18:11	1
PCB-93	**0.016**	**J C**	0.020	0.0012	ng/g	☼	04/30/18 11:50	05/10/18 18:11	1
PCB-94	ND		0.0098	0.0013	ng/g	☼	04/30/18 11:50	05/10/18 18:11	1
PCB-95	**0.11**	**B**	0.0098	0.0013	ng/g	☼	04/30/18 11:50	05/10/18 18:11	1
PCB-96	**0.0030**	**J**	0.0098	0.00096	ng/g	☼	04/30/18 11:50	05/10/18 18:11	1
PCB-97	**0.073**	**C86 B**	0.059	0.0010	ng/g	☼	04/30/18 11:50	05/10/18 18:11	1
PCB-98	**0.0051**	**J q C**	0.020	0.0012	ng/g	☼	04/30/18 11:50	05/10/18 18:11	1

Client Sample ID: PDI-SG-B197-BL1
Date Collected: 04/19/18 10:40
Date Received: 04/20/18 13:00

Lab Sample ID: 580-76755-26
Matrix: Solid
Percent Solids: 61.2

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-99	0.11	q C83	0.020	0.0012	ng/g	☼	04/30/18 11:50	05/10/18 18:11	1
PCB-100	0.016	J C93	0.020	0.0012	ng/g	☼	04/30/18 11:50	05/10/18 18:11	1
PCB-101	0.14	C90	0.029	0.0010	ng/g	☼	04/30/18 11:50	05/10/18 18:11	1
PCB-102	0.0051	J q C98	0.020	0.0012	ng/g	☼	04/30/18 11:50	05/10/18 18:11	1
PCB-103	0.0089	J	0.0098	0.0011	ng/g	☼	04/30/18 11:50	05/10/18 18:11	1
PCB-104	ND		0.0098	0.00086	ng/g	☼	04/30/18 11:50	05/10/18 18:11	1
PCB-105	0.032		0.0098	0.0014	ng/g	☼	04/30/18 11:50	05/10/18 18:11	1
PCB-106	ND		0.0098	0.0015	ng/g	☼	04/30/18 11:50	05/10/18 18:11	1
PCB-107	0.0098		0.0098	0.0014	ng/g	☼	04/30/18 11:50	05/10/18 18:11	1
PCB-108	0.0040	J C	0.020	0.0015	ng/g	☼	04/30/18 11:50	05/10/18 18:11	1
PCB-109	0.073	C86 B	0.059	0.0010	ng/g	☼	04/30/18 11:50	05/10/18 18:11	1
PCB-110	0.13	q C B	0.020	0.00082	ng/g	☼	04/30/18 11:50	05/10/18 18:11	1
PCB-111	ND		0.0098	0.00077	ng/g	☼	04/30/18 11:50	05/10/18 18:11	1
PCB-112	ND		0.0098	0.00084	ng/g	☼	04/30/18 11:50	05/10/18 18:11	1
PCB-113	0.14	C90	0.029	0.0010	ng/g	☼	04/30/18 11:50	05/10/18 18:11	1
PCB-114	ND		0.0098	0.0014	ng/g	☼	04/30/18 11:50	05/10/18 18:11	1
PCB-115	0.13	q C110 B	0.020	0.00082	ng/g	☼	04/30/18 11:50	05/10/18 18:11	1
PCB-116	0.021	J C85	0.029	0.00094	ng/g	☼	04/30/18 11:50	05/10/18 18:11	1
PCB-117	0.021	J C85	0.029	0.00094	ng/g	☼	04/30/18 11:50	05/10/18 18:11	1
PCB-118	0.11		0.0098	0.0014	ng/g	☼	04/30/18 11:50	05/10/18 18:11	1
PCB-119	0.073	C86 B	0.059	0.0010	ng/g	☼	04/30/18 11:50	05/10/18 18:11	1
PCB-120	0.0025	J q B	0.0098	0.00076	ng/g	☼	04/30/18 11:50	05/10/18 18:11	1
PCB-121	ND		0.0098	0.00082	ng/g	☼	04/30/18 11:50	05/10/18 18:11	1
PCB-122	ND		0.0098	0.0017	ng/g	☼	04/30/18 11:50	05/10/18 18:11	1
PCB-123	0.0016	J	0.0098	0.0014	ng/g	☼	04/30/18 11:50	05/10/18 18:11	1
PCB-124	0.0040	J C108	0.020	0.0015	ng/g	☼	04/30/18 11:50	05/10/18 18:11	1
PCB-125	0.073	C86 B	0.059	0.0010	ng/g	☼	04/30/18 11:50	05/10/18 18:11	1
PCB-126	ND		0.0098	0.0014	ng/g	☼	04/30/18 11:50	05/10/18 18:11	1
PCB-127	ND		0.0098	0.0014	ng/g	☼	04/30/18 11:50	05/10/18 18:11	1
PCB-128	0.032	C	0.020	0.0014	ng/g	☼	04/30/18 11:50	05/10/18 18:11	1
PCB-129	0.23	C B	0.039	0.0014	ng/g	☼	04/30/18 11:50	05/10/18 18:11	1
PCB-130	0.015		0.0098	0.0019	ng/g	☼	04/30/18 11:50	05/10/18 18:11	1
PCB-131	0.0027	J	0.0098	0.0019	ng/g	☼	04/30/18 11:50	05/10/18 18:11	1
PCB-132	0.069		0.0098	0.0019	ng/g	☼	04/30/18 11:50	05/10/18 18:11	1
PCB-133	0.0054	J q	0.0098	0.0018	ng/g	☼	04/30/18 11:50	05/10/18 18:11	1
PCB-134	0.013	J C	0.020	0.0019	ng/g	☼	04/30/18 11:50	05/10/18 18:11	1
PCB-135	0.11	C	0.020	0.00025	ng/g	☼	04/30/18 11:50	05/10/18 18:11	1
PCB-136	0.039		0.0098	0.00018	ng/g	☼	04/30/18 11:50	05/10/18 18:11	1
PCB-137	0.0081	J	0.0098	0.0015	ng/g	☼	04/30/18 11:50	05/10/18 18:11	1
PCB-138	0.23	C129 B	0.039	0.0014	ng/g	☼	04/30/18 11:50	05/10/18 18:11	1
PCB-139	0.0046	J q C	0.020	0.0016	ng/g	☼	04/30/18 11:50	05/10/18 18:11	1
PCB-140	0.0046	J q C139	0.020	0.0016	ng/g	☼	04/30/18 11:50	05/10/18 18:11	1
PCB-141	0.048		0.0098	0.0017	ng/g	☼	04/30/18 11:50	05/10/18 18:11	1
PCB-142	ND		0.0098	0.0018	ng/g	☼	04/30/18 11:50	05/10/18 18:11	1
PCB-143	0.013	J C134	0.020	0.0019	ng/g	☼	04/30/18 11:50	05/10/18 18:11	1
PCB-144	0.0091	J q	0.0098	0.00023	ng/g	☼	04/30/18 11:50	05/10/18 18:11	1
PCB-145	ND		0.0098	0.00018	ng/g	☼	04/30/18 11:50	05/10/18 18:11	1
PCB-146	0.053	B	0.0098	0.0015	ng/g	☼	04/30/18 11:50	05/10/18 18:11	1
PCB-147	0.24	C B	0.020	0.0016	ng/g	☼	04/30/18 11:50	05/10/18 18:11	1

Client Sample ID: PDI-SG-B197-BL1
Date Collected: 04/19/18 10:40
Date Received: 04/20/18 13:00

Lab Sample ID: 580-76755-26
Matrix: Solid
Percent Solids: 61.2

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-148	0.00058	J q	0.0098	0.00024	ng/g	☼	04/30/18 11:50	05/10/18 18:11	1
PCB-149	0.24	C147 B	0.020	0.0016	ng/g	☼	04/30/18 11:50	05/10/18 18:11	1
PCB-150	0.0015	J q	0.0098	0.00016	ng/g	☼	04/30/18 11:50	05/10/18 18:11	1
PCB-151	0.11	C135	0.020	0.00025	ng/g	☼	04/30/18 11:50	05/10/18 18:11	1
PCB-152	ND		0.0098	0.00017	ng/g	☼	04/30/18 11:50	05/10/18 18:11	1
PCB-153	0.23	C B	0.020	0.0012	ng/g	☼	04/30/18 11:50	05/10/18 18:11	1
PCB-154	0.011	q	0.0098	0.00021	ng/g	☼	04/30/18 11:50	05/10/18 18:11	1
PCB-155	ND		0.0098	0.00016	ng/g	☼	04/30/18 11:50	05/10/18 18:11	1
PCB-156	0.018	J q C	0.020	0.0015	ng/g	☼	04/30/18 11:50	05/10/18 18:11	1
PCB-157	0.018	J q C156	0.020	0.0015	ng/g	☼	04/30/18 11:50	05/10/18 18:11	1
PCB-158	0.015	q	0.0098	0.0011	ng/g	☼	04/30/18 11:50	05/10/18 18:11	1
PCB-159	0.0023	J q	0.0098	0.0011	ng/g	☼	04/30/18 11:50	05/10/18 18:11	1
PCB-160	0.23	C129 B	0.039	0.0014	ng/g	☼	04/30/18 11:50	05/10/18 18:11	1
PCB-161	ND		0.0098	0.0012	ng/g	☼	04/30/18 11:50	05/10/18 18:11	1
PCB-162	ND		0.0098	0.0011	ng/g	☼	04/30/18 11:50	05/10/18 18:11	1
PCB-163	0.23	C129 B	0.039	0.0014	ng/g	☼	04/30/18 11:50	05/10/18 18:11	1
PCB-164	0.019		0.0098	0.0012	ng/g	☼	04/30/18 11:50	05/10/18 18:11	1
PCB-165	ND		0.0098	0.0014	ng/g	☼	04/30/18 11:50	05/10/18 18:11	1
PCB-166	0.032	C128	0.020	0.0014	ng/g	☼	04/30/18 11:50	05/10/18 18:11	1
PCB-167	0.0049	J q	0.0098	0.00084	ng/g	☼	04/30/18 11:50	05/10/18 18:11	1
PCB-168	0.23	C153 B	0.020	0.0012	ng/g	☼	04/30/18 11:50	05/10/18 18:11	1
PCB-169	ND		0.0098	0.00091	ng/g	☼	04/30/18 11:50	05/10/18 18:11	1
PCB-170	0.086		0.0098	0.00026	ng/g	☼	04/30/18 11:50	05/10/18 18:11	1
PCB-171	0.019	J q C	0.020	0.00025	ng/g	☼	04/30/18 11:50	05/10/18 18:11	1
PCB-172	0.013	q	0.0098	0.00025	ng/g	☼	04/30/18 11:50	05/10/18 18:11	1
PCB-173	0.019	J q C171	0.020	0.00025	ng/g	☼	04/30/18 11:50	05/10/18 18:11	1
PCB-174	0.097		0.0098	0.00026	ng/g	☼	04/30/18 11:50	05/10/18 18:11	1
PCB-175	0.0028	J q	0.0098	0.00023	ng/g	☼	04/30/18 11:50	05/10/18 18:11	1
PCB-176	0.0074	J q	0.0098	0.00016	ng/g	☼	04/30/18 11:50	05/10/18 18:11	1
PCB-177	0.059		0.0098	0.00026	ng/g	☼	04/30/18 11:50	05/10/18 18:11	1
PCB-178	0.021		0.0098	0.00024	ng/g	☼	04/30/18 11:50	05/10/18 18:11	1
PCB-179	0.045		0.0098	0.00018	ng/g	☼	04/30/18 11:50	05/10/18 18:11	1
PCB-180	0.20	C	0.020	0.00019	ng/g	☼	04/30/18 11:50	05/10/18 18:11	1
PCB-181	ND		0.0098	0.00022	ng/g	☼	04/30/18 11:50	05/10/18 18:11	1
PCB-182	0.00096	J q	0.0098	0.00021	ng/g	☼	04/30/18 11:50	05/10/18 18:11	1
PCB-183	0.057	C	0.020	0.00021	ng/g	☼	04/30/18 11:50	05/10/18 18:11	1
PCB-184	ND		0.0098	0.00018	ng/g	☼	04/30/18 11:50	05/10/18 18:11	1
PCB-185	0.057	C183	0.020	0.00021	ng/g	☼	04/30/18 11:50	05/10/18 18:11	1
PCB-186	ND		0.0098	0.00017	ng/g	☼	04/30/18 11:50	05/10/18 18:11	1
PCB-187	0.12		0.0098	0.00022	ng/g	☼	04/30/18 11:50	05/10/18 18:11	1
PCB-188	ND		0.0098	0.00016	ng/g	☼	04/30/18 11:50	05/10/18 18:11	1
PCB-189	0.0040	J	0.0098	0.00064	ng/g	☼	04/30/18 11:50	05/10/18 18:11	1
PCB-190	0.018		0.0098	0.00017	ng/g	☼	04/30/18 11:50	05/10/18 18:11	1
PCB-191	0.0017	J q	0.0098	0.00017	ng/g	☼	04/30/18 11:50	05/10/18 18:11	1
PCB-192	ND		0.0098	0.00018	ng/g	☼	04/30/18 11:50	05/10/18 18:11	1
PCB-193	0.20	C180	0.020	0.00019	ng/g	☼	04/30/18 11:50	05/10/18 18:11	1
PCB-194	0.054		0.0098	0.00089	ng/g	☼	04/30/18 11:50	05/10/18 18:11	1
PCB-195	0.020		0.0098	0.0010	ng/g	☼	04/30/18 11:50	05/10/18 18:11	1
PCB-196	0.025		0.0098	0.00022	ng/g	☼	04/30/18 11:50	05/10/18 18:11	1

Client Sample ID: PDI-SG-B197-BL1
Date Collected: 04/19/18 10:40
Date Received: 04/20/18 13:00

Lab Sample ID: 580-76755-26
Matrix: Solid
Percent Solids: 61.2

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-197	0.0011	J q	0.0098	0.00015	ng/g	☼	04/30/18 11:50	05/10/18 18:11	1
PCB-198	0.058	C B	0.020	0.00023	ng/g	☼	04/30/18 11:50	05/10/18 18:11	1
PCB-199	0.058	C198 B	0.020	0.00023	ng/g	☼	04/30/18 11:50	05/10/18 18:11	1
PCB-200	0.0051	J	0.0098	0.00016	ng/g	☼	04/30/18 11:50	05/10/18 18:11	1
PCB-201	0.0051	J	0.0098	0.00016	ng/g	☼	04/30/18 11:50	05/10/18 18:11	1
PCB-202	0.0087	J	0.0098	0.00018	ng/g	☼	04/30/18 11:50	05/10/18 18:11	1
PCB-203	0.026	q	0.0098	0.00020	ng/g	☼	04/30/18 11:50	05/10/18 18:11	1
PCB-204	ND		0.0098	0.00016	ng/g	☼	04/30/18 11:50	05/10/18 18:11	1
PCB-205	0.0022	J q	0.0098	0.00067	ng/g	☼	04/30/18 11:50	05/10/18 18:11	1
PCB-206	0.039	q	0.0098	0.0035	ng/g	☼	04/30/18 11:50	05/10/18 18:11	1
PCB-207	0.0029	J q	0.0098	0.0024	ng/g	☼	04/30/18 11:50	05/10/18 18:11	1
PCB-208	0.0042	J q	0.0098	0.0027	ng/g	☼	04/30/18 11:50	05/10/18 18:11	1
PCB-209	0.021	q	0.0098	0.000071	ng/g	☼	04/30/18 11:50	05/10/18 18:11	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
PCB-1L	*70*		*30 - 140*	*04/30/18 11:50*	*05/10/18 18:11*	*1*
PCB-3L	*74*		*30 - 140*	*04/30/18 11:50*	*05/10/18 18:11*	*1*
PCB-4L	*76*		*30 - 140*	*04/30/18 11:50*	*05/10/18 18:11*	*1*
PCB-15L	*79*		*30 - 140*	*04/30/18 11:50*	*05/10/18 18:11*	*1*
PCB-19L	*81*		*30 - 140*	*04/30/18 11:50*	*05/10/18 18:11*	*1*
PCB-37L	*86*		*30 - 140*	*04/30/18 11:50*	*05/10/18 18:11*	*1*
PCB-54L	*102*		*30 - 140*	*04/30/18 11:50*	*05/10/18 18:11*	*1*
PCB-77L	*91*		*30 - 140*	*04/30/18 11:50*	*05/10/18 18:11*	*1*
PCB-81L	*90*		*30 - 140*	*04/30/18 11:50*	*05/10/18 18:11*	*1*
PCB-104L	*93*		*30 - 140*	*04/30/18 11:50*	*05/10/18 18:11*	*1*
PCB-105L	*86*		*30 - 140*	*04/30/18 11:50*	*05/10/18 18:11*	*1*
PCB-114L	*84*		*30 - 140*	*04/30/18 11:50*	*05/10/18 18:11*	*1*
PCB-118L	*86*		*30 - 140*	*04/30/18 11:50*	*05/10/18 18:11*	*1*
PCB-123L	*88*		*30 - 140*	*04/30/18 11:50*	*05/10/18 18:11*	*1*
PCB-126L	*89*		*30 - 140*	*04/30/18 11:50*	*05/10/18 18:11*	*1*
PCB-155L	*104*		*30 - 140*	*04/30/18 11:50*	*05/10/18 18:11*	*1*
PCB-156L	*89*	*C*	*30 - 140*	*04/30/18 11:50*	*05/10/18 18:11*	*1*
PCB-157L	*89*	*C156*	*30 - 140*	*04/30/18 11:50*	*05/10/18 18:11*	*1*
PCB-167L	*89*		*30 - 140*	*04/30/18 11:50*	*05/10/18 18:11*	*1*
PCB-169L	*88*		*30 - 140*	*04/30/18 11:50*	*05/10/18 18:11*	*1*
PCB-170L	*78*		*30 - 140*	*04/30/18 11:50*	*05/10/18 18:11*	*1*
PCB-188L	*83*		*30 - 140*	*04/30/18 11:50*	*05/10/18 18:11*	*1*
PCB-189L	*102*		*30 - 140*	*04/30/18 11:50*	*05/10/18 18:11*	*1*
PCB-202L	*91*		*30 - 140*	*04/30/18 11:50*	*05/10/18 18:11*	*1*
PCB-205L	*83*		*30 - 140*	*04/30/18 11:50*	*05/10/18 18:11*	*1*
PCB-206L	*73*		*30 - 140*	*04/30/18 11:50*	*05/10/18 18:11*	*1*
PCB-208L	*71*		*30 - 140*	*04/30/18 11:50*	*05/10/18 18:11*	*1*
PCB-209L	*64*		*30 - 140*	*04/30/18 11:50*	*05/10/18 18:11*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
PCB-28L	*80*		*40 - 125*	*04/30/18 11:50*	*05/10/18 18:11*	*1*
PCB-111L	*97*		*40 - 125*	*04/30/18 11:50*	*05/10/18 18:11*	*1*
PCB-178L	*82*		*40 - 125*	*04/30/18 11:50*	*05/10/18 18:11*	*1*

Client Sample ID: PDI-SG-B195-BL1
Date Collected: 04/19/18 09:52
Date Received: 04/20/18 13:00

Lab Sample ID: 580-76755-27
Matrix: Solid
Percent Solids: 62.1

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1	0.0024	J B q	0.0097	0.00020	ng/g	☼	04/30/18 11:50	05/10/18 19:14	1
PCB-2	0.0091	J B	0.0097	0.00021	ng/g	☼	04/30/18 11:50	05/10/18 19:14	1
PCB-3	0.0035	J	0.0097	0.00024	ng/g	☼	04/30/18 11:50	05/10/18 19:14	1
PCB-4	0.012	J	0.019	0.00099	ng/g	☼	04/30/18 11:50	05/10/18 19:14	1
PCB-5	ND		0.0097	0.00063	ng/g	☼	04/30/18 11:50	05/10/18 19:14	1
PCB-6	0.0035	J q	0.0097	0.00062	ng/g	☼	04/30/18 11:50	05/10/18 19:14	1
PCB-7	ND		0.0097	0.00059	ng/g	☼	04/30/18 11:50	05/10/18 19:14	1
PCB-8	0.017	J B	0.019	0.00061	ng/g	☼	04/30/18 11:50	05/10/18 19:14	1
PCB-9	ND		0.0097	0.00069	ng/g	☼	04/30/18 11:50	05/10/18 19:14	1
PCB-10	ND		0.0097	0.00067	ng/g	☼	04/30/18 11:50	05/10/18 19:14	1
PCB-11	0.026	B	0.019	0.00057	ng/g	☼	04/30/18 11:50	05/10/18 19:14	1
PCB-12	0.0032	J C q	0.019	0.00057	ng/g	☼	04/30/18 11:50	05/10/18 19:14	1
PCB-13	0.0032	J C12 q	0.019	0.00057	ng/g	☼	04/30/18 11:50	05/10/18 19:14	1
PCB-14	ND		0.0097	0.00052	ng/g	☼	04/30/18 11:50	05/10/18 19:14	1
PCB-15	0.013		0.0097	0.00058	ng/g	☼	04/30/18 11:50	05/10/18 19:14	1
PCB-16	0.0046	J q	0.0097	0.00024	ng/g	☼	04/30/18 11:50	05/10/18 19:14	1
PCB-17	0.0091	J q	0.0097	0.00019	ng/g	☼	04/30/18 11:50	05/10/18 19:14	1
PCB-18	0.021	C	0.019	0.00016	ng/g	☼	04/30/18 11:50	05/10/18 19:14	1
PCB-19	0.0087	J q	0.0097	0.00023	ng/g	☼	04/30/18 11:50	05/10/18 19:14	1
PCB-20	0.058	C B	0.019	0.00065	ng/g	☼	04/30/18 11:50	05/10/18 19:14	1
PCB-21	0.025	C B	0.019	0.00061	ng/g	☼	04/30/18 11:50	05/10/18 19:14	1
PCB-22	0.018	B	0.0097	0.00066	ng/g	☼	04/30/18 11:50	05/10/18 19:14	1
PCB-23	ND		0.0097	0.00065	ng/g	☼	04/30/18 11:50	05/10/18 19:14	1
PCB-24	ND		0.0097	0.00014	ng/g	☼	04/30/18 11:50	05/10/18 19:14	1
PCB-25	0.0048	J q	0.0097	0.00062	ng/g	☼	04/30/18 11:50	05/10/18 19:14	1
PCB-26	0.0080	J C	0.019	0.00065	ng/g	☼	04/30/18 11:50	05/10/18 19:14	1
PCB-27	0.0024	J q	0.0097	0.00014	ng/g	☼	04/30/18 11:50	05/10/18 19:14	1
PCB-28	0.058	B C20	0.019	0.00065	ng/g	☼	04/30/18 11:50	05/10/18 19:14	1
PCB-29	0.0080	J C26	0.019	0.00065	ng/g	☼	04/30/18 11:50	05/10/18 19:14	1
PCB-30	0.021	C18	0.019	0.00016	ng/g	☼	04/30/18 11:50	05/10/18 19:14	1
PCB-31	0.040	B	0.019	0.00060	ng/g	☼	04/30/18 11:50	05/10/18 19:14	1
PCB-32	0.0070	J q	0.0097	0.00013	ng/g	☼	04/30/18 11:50	05/10/18 19:14	1
PCB-33	0.025	B C21	0.019	0.00061	ng/g	☼	04/30/18 11:50	05/10/18 19:14	1
PCB-34	ND		0.0097	0.00067	ng/g	☼	04/30/18 11:50	05/10/18 19:14	1
PCB-35	0.0013	J q	0.0097	0.00064	ng/g	☼	04/30/18 11:50	05/10/18 19:14	1
PCB-36	ND		0.0097	0.00058	ng/g	☼	04/30/18 11:50	05/10/18 19:14	1
PCB-37	0.019	B	0.0097	0.00060	ng/g	☼	04/30/18 11:50	05/10/18 19:14	1
PCB-38	ND		0.0097	0.00063	ng/g	☼	04/30/18 11:50	05/10/18 19:14	1
PCB-39	ND		0.0097	0.00057	ng/g	☼	04/30/18 11:50	05/10/18 19:14	1
PCB-40	0.024	J C	0.029	0.0011	ng/g	☼	04/30/18 11:50	05/10/18 19:14	1
PCB-41	0.024	J C40	0.029	0.0011	ng/g	☼	04/30/18 11:50	05/10/18 19:14	1
PCB-42	ND		0.0097	0.0011	ng/g	☼	04/30/18 11:50	05/10/18 19:14	1
PCB-43	0.0020	J C q	0.019	0.00096	ng/g	☼	04/30/18 11:50	05/10/18 19:14	1
PCB-44	0.073	C B	0.029	0.00095	ng/g	☼	04/30/18 11:50	05/10/18 19:14	1
PCB-45	0.017	J C	0.019	0.0011	ng/g	☼	04/30/18 11:50	05/10/18 19:14	1
PCB-46	0.0019	J q	0.0097	0.0013	ng/g	☼	04/30/18 11:50	05/10/18 19:14	1
PCB-47	0.073	B C44	0.029	0.00095	ng/g	☼	04/30/18 11:50	05/10/18 19:14	1
PCB-48	0.0067	J q	0.0097	0.0010	ng/g	☼	04/30/18 11:50	05/10/18 19:14	1
PCB-49	0.048	C B	0.019	0.00086	ng/g	☼	04/30/18 11:50	05/10/18 19:14	1

Client Sample ID: PDI-SG-B195-BL1
Date Collected: 04/19/18 09:52
Date Received: 04/20/18 13:00

Lab Sample ID: 580-76755-27
Matrix: Solid
Percent Solids: 62.1

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-50	0.013	J C q	0.019	0.0011	ng/g	☼	04/30/18 11:50	05/10/18 19:14	1
PCB-51	0.017	J C45	0.019	0.0011	ng/g	☼	04/30/18 11:50	05/10/18 19:14	1
PCB-52	0.084	B	0.0097	0.0011	ng/g	☼	04/30/18 11:50	05/10/18 19:14	1
PCB-53	0.013	J C50 q	0.019	0.0011	ng/g	☼	04/30/18 11:50	05/10/18 19:14	1
PCB-54	0.0028	J q	0.0097	0.00013	ng/g	☼	04/30/18 11:50	05/10/18 19:14	1
PCB-55	0.0010	J q	0.0097	0.00073	ng/g	☼	04/30/18 11:50	05/10/18 19:14	1
PCB-56	0.023	B	0.0097	0.00074	ng/g	☼	04/30/18 11:50	05/10/18 19:14	1
PCB-57	ND		0.0097	0.00074	ng/g	☼	04/30/18 11:50	05/10/18 19:14	1
PCB-58	ND		0.0097	0.00071	ng/g	☼	04/30/18 11:50	05/10/18 19:14	1
PCB-59	0.0067	J C	0.029	0.00072	ng/g	☼	04/30/18 11:50	05/10/18 19:14	1
PCB-60	0.0055	J q	0.0097	0.00072	ng/g	☼	04/30/18 11:50	05/10/18 19:14	1
PCB-61	0.094	C B	0.039	0.00070	ng/g	☼	04/30/18 11:50	05/10/18 19:14	1
PCB-62	0.0067	J C59	0.029	0.00072	ng/g	☼	04/30/18 11:50	05/10/18 19:14	1
PCB-63	0.0020	J q	0.0097	0.00064	ng/g	☼	04/30/18 11:50	05/10/18 19:14	1
PCB-64	0.020		0.0097	0.00068	ng/g	☼	04/30/18 11:50	05/10/18 19:14	1
PCB-65	0.073	B C44	0.029	0.00095	ng/g	☼	04/30/18 11:50	05/10/18 19:14	1
PCB-66	0.064		0.0097	0.00071	ng/g	☼	04/30/18 11:50	05/10/18 19:14	1
PCB-67	0.0025	J	0.0097	0.00068	ng/g	☼	04/30/18 11:50	05/10/18 19:14	1
PCB-68	0.0014	J q	0.0097	0.00064	ng/g	☼	04/30/18 11:50	05/10/18 19:14	1
PCB-69	0.048	B C49	0.019	0.00086	ng/g	☼	04/30/18 11:50	05/10/18 19:14	1
PCB-70	0.094	C61 B	0.039	0.00070	ng/g	☼	04/30/18 11:50	05/10/18 19:14	1
PCB-71	0.024	J C40	0.029	0.0011	ng/g	☼	04/30/18 11:50	05/10/18 19:14	1
PCB-72	0.0014	J q	0.0097	0.00073	ng/g	☼	04/30/18 11:50	05/10/18 19:14	1
PCB-73	0.0020	J C43 q	0.019	0.00096	ng/g	☼	04/30/18 11:50	05/10/18 19:14	1
PCB-74	0.094	C61 B	0.039	0.00070	ng/g	☼	04/30/18 11:50	05/10/18 19:14	1
PCB-75	0.0067	J C59	0.029	0.00072	ng/g	☼	04/30/18 11:50	05/10/18 19:14	1
PCB-76	0.094	C61 B	0.039	0.00070	ng/g	☼	04/30/18 11:50	05/10/18 19:14	1
PCB-77	0.0080	J	0.0097	0.00065	ng/g	☼	04/30/18 11:50	05/10/18 19:14	1
PCB-78	ND		0.0097	0.00072	ng/g	☼	04/30/18 11:50	05/10/18 19:14	1
PCB-79	ND		0.0097	0.00061	ng/g	☼	04/30/18 11:50	05/10/18 19:14	1
PCB-80	ND		0.0097	0.00063	ng/g	☼	04/30/18 11:50	05/10/18 19:14	1
PCB-81	ND		0.0097	0.00070	ng/g	☼	04/30/18 11:50	05/10/18 19:14	1
PCB-82	0.0086	J q	0.0097	0.0012	ng/g	☼	04/30/18 11:50	05/10/18 19:14	1
PCB-83	0.095	C	0.019	0.0012	ng/g	☼	04/30/18 11:50	05/10/18 19:14	1
PCB-84	0.025		0.0097	0.0013	ng/g	☼	04/30/18 11:50	05/10/18 19:14	1
PCB-85	0.015	J C q	0.029	0.00087	ng/g	☼	04/30/18 11:50	05/10/18 19:14	1
PCB-86	0.070	C B	0.058	0.00092	ng/g	☼	04/30/18 11:50	05/10/18 19:14	1
PCB-87	0.070	B C86	0.058	0.00092	ng/g	☼	04/30/18 11:50	05/10/18 19:14	1
PCB-88	0.027	C	0.019	0.0011	ng/g	☼	04/30/18 11:50	05/10/18 19:14	1
PCB-89	ND		0.0097	0.0012	ng/g	☼	04/30/18 11:50	05/10/18 19:14	1
PCB-90	0.14	C	0.029	0.00094	ng/g	☼	04/30/18 11:50	05/10/18 19:14	1
PCB-91	0.027	C88	0.019	0.0011	ng/g	☼	04/30/18 11:50	05/10/18 19:14	1
PCB-92	0.036		0.0097	0.0011	ng/g	☼	04/30/18 11:50	05/10/18 19:14	1
PCB-93	0.0076	J C q	0.019	0.0011	ng/g	☼	04/30/18 11:50	05/10/18 19:14	1
PCB-94	0.0028	J q	0.0097	0.0012	ng/g	☼	04/30/18 11:50	05/10/18 19:14	1
PCB-95	0.11	B	0.0097	0.0012	ng/g	☼	04/30/18 11:50	05/10/18 19:14	1
PCB-96	ND		0.0097	0.00089	ng/g	☼	04/30/18 11:50	05/10/18 19:14	1
PCB-97	0.070	B C86	0.058	0.00092	ng/g	☼	04/30/18 11:50	05/10/18 19:14	1
PCB-98	0.0077	J C	0.019	0.0011	ng/g	☼	04/30/18 11:50	05/10/18 19:14	1

Client Sample ID: PDI-SG-B195-BL1
Date Collected: 04/19/18 09:52
Date Received: 04/20/18 13:00

Lab Sample ID: 580-76755-27
Matrix: Solid
Percent Solids: 62.1

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-99	0.095	C83	0.019	0.0012	ng/g	☼	04/30/18 11:50	05/10/18 19:14	1
PCB-100	0.0076	J C93 q	0.019	0.0011	ng/g	☼	04/30/18 11:50	05/10/18 19:14	1
PCB-101	0.14	C90	0.029	0.00094	ng/g	☼	04/30/18 11:50	05/10/18 19:14	1
PCB-102	0.0077	J C98	0.019	0.0011	ng/g	☼	04/30/18 11:50	05/10/18 19:14	1
PCB-103	0.0049	J q	0.0097	0.0010	ng/g	☼	04/30/18 11:50	05/10/18 19:14	1
PCB-104	ND		0.0097	0.00080	ng/g	☼	04/30/18 11:50	05/10/18 19:14	1
PCB-105	0.034		0.0097	0.0011	ng/g	☼	04/30/18 11:50	05/10/18 19:14	1
PCB-106	ND		0.0097	0.0011	ng/g	☼	04/30/18 11:50	05/10/18 19:14	1
PCB-107	0.0098		0.0097	0.0011	ng/g	☼	04/30/18 11:50	05/10/18 19:14	1
PCB-108	0.0033	J C q	0.019	0.0011	ng/g	☼	04/30/18 11:50	05/10/18 19:14	1
PCB-109	0.070	B C86	0.058	0.00092	ng/g	☼	04/30/18 11:50	05/10/18 19:14	1
PCB-110	0.14	C B	0.019	0.00076	ng/g	☼	04/30/18 11:50	05/10/18 19:14	1
PCB-111	ND		0.0097	0.00071	ng/g	☼	04/30/18 11:50	05/10/18 19:14	1
PCB-112	ND		0.0097	0.00078	ng/g	☼	04/30/18 11:50	05/10/18 19:14	1
PCB-113	0.14	C90	0.029	0.00094	ng/g	☼	04/30/18 11:50	05/10/18 19:14	1
PCB-114	ND		0.0097	0.0010	ng/g	☼	04/30/18 11:50	05/10/18 19:14	1
PCB-115	0.14	B C110	0.019	0.00076	ng/g	☼	04/30/18 11:50	05/10/18 19:14	1
PCB-116	0.015	J C85 q	0.029	0.00087	ng/g	☼	04/30/18 11:50	05/10/18 19:14	1
PCB-117	0.015	J C85 q	0.029	0.00087	ng/g	☼	04/30/18 11:50	05/10/18 19:14	1
PCB-118	0.098		0.0097	0.0010	ng/g	☼	04/30/18 11:50	05/10/18 19:14	1
PCB-119	0.070	B C86	0.058	0.00092	ng/g	☼	04/30/18 11:50	05/10/18 19:14	1
PCB-120	0.0015	J B q	0.0097	0.00070	ng/g	☼	04/30/18 11:50	05/10/18 19:14	1
PCB-121	ND		0.0097	0.00076	ng/g	☼	04/30/18 11:50	05/10/18 19:14	1
PCB-122	0.0015	J q	0.0097	0.0012	ng/g	☼	04/30/18 11:50	05/10/18 19:14	1
PCB-123	0.0016	J q	0.0097	0.0010	ng/g	☼	04/30/18 11:50	05/10/18 19:14	1
PCB-124	0.0033	J q C108	0.019	0.0011	ng/g	☼	04/30/18 11:50	05/10/18 19:14	1
PCB-125	0.070	B C86	0.058	0.00092	ng/g	☼	04/30/18 11:50	05/10/18 19:14	1
PCB-126	ND		0.0097	0.0011	ng/g	☼	04/30/18 11:50	05/10/18 19:14	1
PCB-127	ND		0.0097	0.0011	ng/g	☼	04/30/18 11:50	05/10/18 19:14	1
PCB-128	0.027	C	0.019	0.0010	ng/g	☼	04/30/18 11:50	05/10/18 19:14	1
PCB-129	0.21	C B	0.039	0.0011	ng/g	☼	04/30/18 11:50	05/10/18 19:14	1
PCB-130	0.013	q	0.0097	0.0014	ng/g	☼	04/30/18 11:50	05/10/18 19:14	1
PCB-131	ND		0.0097	0.0014	ng/g	☼	04/30/18 11:50	05/10/18 19:14	1
PCB-132	0.060		0.0097	0.0014	ng/g	☼	04/30/18 11:50	05/10/18 19:14	1
PCB-133	0.0051	J q	0.0097	0.0013	ng/g	☼	04/30/18 11:50	05/10/18 19:14	1
PCB-134	0.011	J C q	0.019	0.0014	ng/g	☼	04/30/18 11:50	05/10/18 19:14	1
PCB-135	0.081	C	0.019	0.00014	ng/g	☼	04/30/18 11:50	05/10/18 19:14	1
PCB-136	0.027		0.0097	0.00010	ng/g	☼	04/30/18 11:50	05/10/18 19:14	1
PCB-137	0.0065	J	0.0097	0.0011	ng/g	☼	04/30/18 11:50	05/10/18 19:14	1
PCB-138	0.21	B C129	0.039	0.0011	ng/g	☼	04/30/18 11:50	05/10/18 19:14	1
PCB-139	0.0040	J C	0.019	0.0012	ng/g	☼	04/30/18 11:50	05/10/18 19:14	1
PCB-140	0.0040	J C139	0.019	0.0012	ng/g	☼	04/30/18 11:50	05/10/18 19:14	1
PCB-141	0.040		0.0097	0.0012	ng/g	☼	04/30/18 11:50	05/10/18 19:14	1
PCB-142	ND		0.0097	0.0013	ng/g	☼	04/30/18 11:50	05/10/18 19:14	1
PCB-143	0.011	J C134 q	0.019	0.0014	ng/g	☼	04/30/18 11:50	05/10/18 19:14	1
PCB-144	0.0076	J	0.0097	0.00013	ng/g	☼	04/30/18 11:50	05/10/18 19:14	1
PCB-145	ND		0.0097	0.00010	ng/g	☼	04/30/18 11:50	05/10/18 19:14	1
PCB-146	0.040	B	0.0097	0.0011	ng/g	☼	04/30/18 11:50	05/10/18 19:14	1
PCB-147	0.18	C B	0.019	0.0012	ng/g	☼	04/30/18 11:50	05/10/18 19:14	1

Client Sample ID: PDI-SG-B195-BL1
Date Collected: 04/19/18 09:52
Date Received: 04/20/18 13:00

Lab Sample ID: 580-76755-27
Matrix: Solid
Percent Solids: 62.1

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-148	ND		0.0097	0.00014	ng/g	☼	04/30/18 11:50	05/10/18 19:14	1
PCB-149	**0.18**	**B C147**	0.019	0.0012	ng/g	☼	04/30/18 11:50	05/10/18 19:14	1
PCB-150	**0.00071**	**J q**	0.0097	0.000093	ng/g	☼	04/30/18 11:50	05/10/18 19:14	1
PCB-151	**0.081**	**C135**	0.019	0.00014	ng/g	☼	04/30/18 11:50	05/10/18 19:14	1
PCB-152	ND		0.0097	0.00010	ng/g	☼	04/30/18 11:50	05/10/18 19:14	1
PCB-153	**0.20**	**C B**	0.019	0.00092	ng/g	☼	04/30/18 11:50	05/10/18 19:14	1
PCB-154	**0.0046**	**J q**	0.0097	0.00012	ng/g	☼	04/30/18 11:50	05/10/18 19:14	1
PCB-155	ND		0.0097	0.000095	ng/g	☼	04/30/18 11:50	05/10/18 19:14	1
PCB-156	**0.016**	**J C**	0.019	0.0011	ng/g	☼	04/30/18 11:50	05/10/18 19:14	1
PCB-157	**0.016**	**J C156**	0.019	0.0011	ng/g	☼	04/30/18 11:50	05/10/18 19:14	1
PCB-158	**0.018**		0.0097	0.00082	ng/g	☼	04/30/18 11:50	05/10/18 19:14	1
PCB-159	**0.0030**	**J**	0.0097	0.00085	ng/g	☼	04/30/18 11:50	05/10/18 19:14	1
PCB-160	**0.21**	**B C129**	0.039	0.0011	ng/g	☼	04/30/18 11:50	05/10/18 19:14	1
PCB-161	ND		0.0097	0.00087	ng/g	☼	04/30/18 11:50	05/10/18 19:14	1
PCB-162	ND		0.0097	0.00083	ng/g	☼	04/30/18 11:50	05/10/18 19:14	1
PCB-163	**0.21**	**B C129**	0.039	0.0011	ng/g	☼	04/30/18 11:50	05/10/18 19:14	1
PCB-164	**0.018**		0.0097	0.00090	ng/g	☼	04/30/18 11:50	05/10/18 19:14	1
PCB-165	ND		0.0097	0.0010	ng/g	☼	04/30/18 11:50	05/10/18 19:14	1
PCB-166	**0.027**	**C128**	0.019	0.0010	ng/g	☼	04/30/18 11:50	05/10/18 19:14	1
PCB-167	**0.0061**	**J q**	0.0097	0.00064	ng/g	☼	04/30/18 11:50	05/10/18 19:14	1
PCB-168	**0.20**	**B C153**	0.019	0.00092	ng/g	☼	04/30/18 11:50	05/10/18 19:14	1
PCB-169	ND		0.0097	0.00062	ng/g	☼	04/30/18 11:50	05/10/18 19:14	1
PCB-170	**0.074**		0.0097	0.00011	ng/g	☼	04/30/18 11:50	05/10/18 19:14	1
PCB-171	**0.017**	**J C q**	0.019	0.00011	ng/g	☼	04/30/18 11:50	05/10/18 19:14	1
PCB-172	**0.011**	**q**	0.0097	0.00011	ng/g	☼	04/30/18 11:50	05/10/18 19:14	1
PCB-173	**0.017**	**J C171 q**	0.019	0.00011	ng/g	☼	04/30/18 11:50	05/10/18 19:14	1
PCB-174	**0.088**		0.0097	0.00011	ng/g	☼	04/30/18 11:50	05/10/18 19:14	1
PCB-175	**0.0029**	**J**	0.0097	0.00010	ng/g	☼	04/30/18 11:50	05/10/18 19:14	1
PCB-176	**0.0088**	**J**	0.0097	0.000072	ng/g	☼	04/30/18 11:50	05/10/18 19:14	1
PCB-177	**0.056**		0.0097	0.00012	ng/g	☼	04/30/18 11:50	05/10/18 19:14	1
PCB-178	**0.018**		0.0097	0.00011	ng/g	☼	04/30/18 11:50	05/10/18 19:14	1
PCB-179	**0.039**		0.0097	0.000079	ng/g	☼	04/30/18 11:50	05/10/18 19:14	1
PCB-180	**0.17**	**C**	0.019	0.000085	ng/g	☼	04/30/18 11:50	05/10/18 19:14	1
PCB-181	ND		0.0097	0.000098	ng/g	☼	04/30/18 11:50	05/10/18 19:14	1
PCB-182	**0.00085**	**J q**	0.0097	0.000093	ng/g	☼	04/30/18 11:50	05/10/18 19:14	1
PCB-183	**0.049**	**C**	0.019	0.000095	ng/g	☼	04/30/18 11:50	05/10/18 19:14	1
PCB-184	ND		0.0097	0.000080	ng/g	☼	04/30/18 11:50	05/10/18 19:14	1
PCB-185	**0.049**	**C183**	0.019	0.000095	ng/g	☼	04/30/18 11:50	05/10/18 19:14	1
PCB-186	ND		0.0097	0.000077	ng/g	☼	04/30/18 11:50	05/10/18 19:14	1
PCB-187	**0.11**		0.0097	0.000097	ng/g	☼	04/30/18 11:50	05/10/18 19:14	1
PCB-188	ND		0.0097	0.000072	ng/g	☼	04/30/18 11:50	05/10/18 19:14	1
PCB-189	**0.0027**	**J q**	0.0097	0.00025	ng/g	☼	04/30/18 11:50	05/10/18 19:14	1
PCB-190	**0.013**		0.0097	0.000073	ng/g	☼	04/30/18 11:50	05/10/18 19:14	1
PCB-191	**0.0021**	**J q**	0.0097	0.000074	ng/g	☼	04/30/18 11:50	05/10/18 19:14	1
PCB-192	ND		0.0097	0.000078	ng/g	☼	04/30/18 11:50	05/10/18 19:14	1
PCB-193	**0.17**	**C180**	0.019	0.000085	ng/g	☼	04/30/18 11:50	05/10/18 19:14	1
PCB-194	**0.041**		0.0097	0.00067	ng/g	☼	04/30/18 11:50	05/10/18 19:14	1
PCB-195	**0.019**		0.0097	0.00075	ng/g	☼	04/30/18 11:50	05/10/18 19:14	1
PCB-196	**0.021**	**q**	0.0097	0.00015	ng/g	☼	04/30/18 11:50	05/10/18 19:14	1

Client Sample ID: PDI-SG-B195-BL1
Date Collected: 04/19/18 09:52
Date Received: 04/20/18 13:00

Lab Sample ID: 580-76755-27
Matrix: Solid
Percent Solids: 62.1

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-197	**0.00067**	**J q**	0.0097	0.00010	ng/g	☼	04/30/18 11:50	05/10/18 19:14	1
PCB-198	**0.046**	**C B**	0.019	0.00016	ng/g	☼	04/30/18 11:50	05/10/18 19:14	1
PCB-199	**0.046**	**C198 B**	0.019	0.00016	ng/g	☼	04/30/18 11:50	05/10/18 19:14	1
PCB-200	**0.0040**	**J q**	0.0097	0.00011	ng/g	☼	04/30/18 11:50	05/10/18 19:14	1
PCB-201	**0.0041**	**J q**	0.0097	0.00011	ng/g	☼	04/30/18 11:50	05/10/18 19:14	1
PCB-202	**0.010**		0.0097	0.00012	ng/g	☼	04/30/18 11:50	05/10/18 19:14	1
PCB-203	**0.026**		0.0097	0.00014	ng/g	☼	04/30/18 11:50	05/10/18 19:14	1
PCB-204	ND		0.0097	0.00011	ng/g	☼	04/30/18 11:50	05/10/18 19:14	1
PCB-205	**0.0012**	**J q**	0.0097	0.00050	ng/g	☼	04/30/18 11:50	05/10/18 19:14	1
PCB-206	**0.027**	**q**	0.0097	0.0020	ng/g	☼	04/30/18 11:50	05/10/18 19:14	1
PCB-207	ND		0.0097	0.0013	ng/g	☼	04/30/18 11:50	05/10/18 19:14	1
PCB-208	**0.0085**	**J**	0.0097	0.0013	ng/g	☼	04/30/18 11:50	05/10/18 19:14	1
PCB-209	**0.025**		0.0097	0.000092	ng/g	☼	04/30/18 11:50	05/10/18 19:14	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
PCB-1L	*76*		*30 - 140*	*04/30/18 11:50*	*05/10/18 19:14*	*1*
PCB-3L	*76*		*30 - 140*	*04/30/18 11:50*	*05/10/18 19:14*	*1*
PCB-4L	*76*		*30 - 140*	*04/30/18 11:50*	*05/10/18 19:14*	*1*
PCB-15L	*84*		*30 - 140*	*04/30/18 11:50*	*05/10/18 19:14*	*1*
PCB-19L	*74*		*30 - 140*	*04/30/18 11:50*	*05/10/18 19:14*	*1*
PCB-37L	*86*		*30 - 140*	*04/30/18 11:50*	*05/10/18 19:14*	*1*
PCB-54L	*96*		*30 - 140*	*04/30/18 11:50*	*05/10/18 19:14*	*1*
PCB-77L	*95*		*30 - 140*	*04/30/18 11:50*	*05/10/18 19:14*	*1*
PCB-81L	*93*		*30 - 140*	*04/30/18 11:50*	*05/10/18 19:14*	*1*
PCB-104L	*89*		*30 - 140*	*04/30/18 11:50*	*05/10/18 19:14*	*1*
PCB-105L	*85*		*30 - 140*	*04/30/18 11:50*	*05/10/18 19:14*	*1*
PCB-114L	*83*		*30 - 140*	*04/30/18 11:50*	*05/10/18 19:14*	*1*
PCB-118L	*83*		*30 - 140*	*04/30/18 11:50*	*05/10/18 19:14*	*1*
PCB-123L	*84*		*30 - 140*	*04/30/18 11:50*	*05/10/18 19:14*	*1*
PCB-126L	*87*		*30 - 140*	*04/30/18 11:50*	*05/10/18 19:14*	*1*
PCB-155L	*110*		*30 - 140*	*04/30/18 11:50*	*05/10/18 19:14*	*1*
PCB-156L	*85*	*C*	*30 - 140*	*04/30/18 11:50*	*05/10/18 19:14*	*1*
PCB-157L	*85*	*C156*	*30 - 140*	*04/30/18 11:50*	*05/10/18 19:14*	*1*
PCB-167L	*84*		*30 - 140*	*04/30/18 11:50*	*05/10/18 19:14*	*1*
PCB-169L	*86*		*30 - 140*	*04/30/18 11:50*	*05/10/18 19:14*	*1*
PCB-170L	*84*		*30 - 140*	*04/30/18 11:50*	*05/10/18 19:14*	*1*
PCB-188L	*88*		*30 - 140*	*04/30/18 11:50*	*05/10/18 19:14*	*1*
PCB-189L	*106*		*30 - 140*	*04/30/18 11:50*	*05/10/18 19:14*	*1*
PCB-202L	*99*		*30 - 140*	*04/30/18 11:50*	*05/10/18 19:14*	*1*
PCB-205L	*81*		*30 - 140*	*04/30/18 11:50*	*05/10/18 19:14*	*1*
PCB-206L	*70*		*30 - 140*	*04/30/18 11:50*	*05/10/18 19:14*	*1*
PCB-208L	*75*		*30 - 140*	*04/30/18 11:50*	*05/10/18 19:14*	*1*
PCB-209L	*63*		*30 - 140*	*04/30/18 11:50*	*05/10/18 19:14*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
PCB-28L	*80*		*40 - 125*	*04/30/18 11:50*	*05/10/18 19:14*	*1*
PCB-111L	*92*		*40 - 125*	*04/30/18 11:50*	*05/10/18 19:14*	*1*
PCB-178L	*91*		*40 - 125*	*04/30/18 11:50*	*05/10/18 19:14*	*1*

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

TestAmerica Job ID: 580-76755-3

Client Sample ID: PDI-RB-VV-041918
Date Collected: 04/19/18 17:00
Date Received: 04/20/18 13:00

Lab Sample ID: 580-76755-28
Matrix: Water

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1	**0.0030**	**J B q**	0.044	0.00034	ng/L		05/04/18 07:53	05/14/18 19:42	1
PCB-2	**0.0041**	**J B q**	0.044	0.00038	ng/L		05/04/18 07:53	05/14/18 19:42	1
PCB-3	**0.0056**	**J B**	0.044	0.00045	ng/L		05/04/18 07:53	05/14/18 19:42	1
PCB-4	ND		0.066	0.0040	ng/L		05/04/18 07:53	05/14/18 19:42	1
PCB-5	ND		0.044	0.0029	ng/L		05/04/18 07:53	05/14/18 19:42	1
PCB-6	ND		0.044	0.0029	ng/L		05/04/18 07:53	05/14/18 19:42	1
PCB-7	ND		0.044	0.0027	ng/L		05/04/18 07:53	05/14/18 19:42	1
PCB-8	**0.0034**	**J B q**	0.066	0.0028	ng/L		05/04/18 07:53	05/14/18 19:42	1
PCB-9	ND		0.044	0.0032	ng/L		05/04/18 07:53	05/14/18 19:42	1
PCB-10	ND		0.044	0.0031	ng/L		05/04/18 07:53	05/14/18 19:42	1
PCB-11	**0.021**	**J B**	0.066	0.0026	ng/L		05/04/18 07:53	05/14/18 19:42	1
PCB-12	ND	C	0.088	0.0026	ng/L		05/04/18 07:53	05/14/18 19:42	1
PCB-13	ND	C12	0.088	0.0026	ng/L		05/04/18 07:53	05/14/18 19:42	1
PCB-14	ND		0.044	0.0024	ng/L		05/04/18 07:53	05/14/18 19:42	1
PCB-15	ND		0.044	0.0030	ng/L		05/04/18 07:53	05/14/18 19:42	1
PCB-16	ND		0.044	0.00033	ng/L		05/04/18 07:53	05/14/18 19:42	1
PCB-17	ND		0.044	0.00025	ng/L		05/04/18 07:53	05/14/18 19:42	1
PCB-18	**0.0043**	**J C q**	0.088	0.00022	ng/L		05/04/18 07:53	05/14/18 19:42	1
PCB-19	ND		0.044	0.00031	ng/L		05/04/18 07:53	05/14/18 19:42	1
PCB-20	**0.0061**	**J C B q**	0.088	0.00089	ng/L		05/04/18 07:53	05/14/18 19:42	1
PCB-21	**0.0043**	**J C B q**	0.088	0.00083	ng/L		05/04/18 07:53	05/14/18 19:42	1
PCB-22	ND		0.044	0.00091	ng/L		05/04/18 07:53	05/14/18 19:42	1
PCB-23	ND		0.044	0.00089	ng/L		05/04/18 07:53	05/14/18 19:42	1
PCB-24	ND		0.044	0.00019	ng/L		05/04/18 07:53	05/14/18 19:42	1
PCB-25	ND		0.044	0.00085	ng/L		05/04/18 07:53	05/14/18 19:42	1
PCB-26	**0.00097**	**J C B q**	0.088	0.00089	ng/L		05/04/18 07:53	05/14/18 19:42	1
PCB-27	**0.00038**	**J q**	0.044	0.00019	ng/L		05/04/18 07:53	05/14/18 19:42	1
PCB-28	**0.0061**	**J B C20 q**	0.088	0.00089	ng/L		05/04/18 07:53	05/14/18 19:42	1
PCB-29	**0.00097**	**J C26 B q**	0.088	0.00089	ng/L		05/04/18 07:53	05/14/18 19:42	1
PCB-30	**0.0043**	**J C18 q**	0.088	0.00022	ng/L		05/04/18 07:53	05/14/18 19:42	1
PCB-31	**0.0051**	**J B**	0.044	0.00082	ng/L		05/04/18 07:53	05/14/18 19:42	1
PCB-32	**0.0013**	**J q**	0.044	0.00017	ng/L		05/04/18 07:53	05/14/18 19:42	1
PCB-33	**0.0043**	**J B C21 q**	0.088	0.00083	ng/L		05/04/18 07:53	05/14/18 19:42	1
PCB-34	ND		0.044	0.00092	ng/L		05/04/18 07:53	05/14/18 19:42	1
PCB-35	ND		0.044	0.00088	ng/L		05/04/18 07:53	05/14/18 19:42	1
PCB-36	ND		0.044	0.00080	ng/L		05/04/18 07:53	05/14/18 19:42	1
PCB-37	ND		0.044	0.00083	ng/L		05/04/18 07:53	05/14/18 19:42	1
PCB-38	ND		0.044	0.00087	ng/L		05/04/18 07:53	05/14/18 19:42	1
PCB-39	ND		0.044	0.00079	ng/L		05/04/18 07:53	05/14/18 19:42	1
PCB-40	**0.0023**	**J C B q**	0.13	0.00019	ng/L		05/04/18 07:53	05/14/18 19:42	1
PCB-41	**0.0023**	**J B q C40**	0.13	0.00019	ng/L		05/04/18 07:53	05/14/18 19:42	1
PCB-42	**0.00080**	**J q**	0.044	0.00019	ng/L		05/04/18 07:53	05/14/18 19:42	1
PCB-43	ND	C	0.088	0.00017	ng/L		05/04/18 07:53	05/14/18 19:42	1
PCB-44	**0.0045**	**J C B q**	0.13	0.00017	ng/L		05/04/18 07:53	05/14/18 19:42	1
PCB-45	ND	C	0.088	0.00020	ng/L		05/04/18 07:53	05/14/18 19:42	1
PCB-46	ND		0.044	0.00024	ng/L		05/04/18 07:53	05/14/18 19:42	1
PCB-47	**0.0045**	**J B C44 q**	0.13	0.00017	ng/L		05/04/18 07:53	05/14/18 19:42	1
PCB-48	**0.00073**	**J B q**	0.044	0.00018	ng/L		05/04/18 07:53	05/14/18 19:42	1
PCB-49	ND	C	0.088	0.00015	ng/L		05/04/18 07:53	05/14/18 19:42	1

Client Sample ID: PDI-RB-VV-041918
Date Collected: 04/19/18 17:00
Date Received: 04/20/18 13:00

Lab Sample ID: 580-76755-28
Matrix: Water

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-50	ND	C	0.088	0.00019	ng/L		05/04/18 07:53	05/14/18 19:42	1
PCB-51	ND	C45	0.088	0.00020	ng/L		05/04/18 07:53	05/14/18 19:42	1
PCB-52	**0.0060**	**J B q**	0.044	0.00020	ng/L		05/04/18 07:53	05/14/18 19:42	1
PCB-53	ND	C50	0.088	0.00019	ng/L		05/04/18 07:53	05/14/18 19:42	1
PCB-54	ND		0.044	0.00045	ng/L		05/04/18 07:53	05/14/18 19:42	1
PCB-55	ND		0.044	0.00013	ng/L		05/04/18 07:53	05/14/18 19:42	1
PCB-56	**0.00098**	**J**	0.044	0.00013	ng/L		05/04/18 07:53	05/14/18 19:42	1
PCB-57	ND		0.044	0.00013	ng/L		05/04/18 07:53	05/14/18 19:42	1
PCB-58	**0.00034**	**J q**	0.044	0.00013	ng/L		05/04/18 07:53	05/14/18 19:42	1
PCB-59	**0.00064**	**J C B q**	0.13	0.00013	ng/L		05/04/18 07:53	05/14/18 19:42	1
PCB-60	**0.00061**	**J q**	0.044	0.00013	ng/L		05/04/18 07:53	05/14/18 19:42	1
PCB-61	**0.0043**	**J C B q**	0.18	0.00013	ng/L		05/04/18 07:53	05/14/18 19:42	1
PCB-62	**0.00064**	**J B C59 q**	0.13	0.00013	ng/L		05/04/18 07:53	05/14/18 19:42	1
PCB-63	ND		0.044	0.00012	ng/L		05/04/18 07:53	05/14/18 19:42	1
PCB-64	**0.00087**	**J B q**	0.044	0.00012	ng/L		05/04/18 07:53	05/14/18 19:42	1
PCB-65	**0.0045**	**J B C44 q**	0.13	0.00017	ng/L		05/04/18 07:53	05/14/18 19:42	1
PCB-66	**0.00087**	**J B q**	0.044	0.00013	ng/L		05/04/18 07:53	05/14/18 19:42	1
PCB-67	ND		0.044	0.00012	ng/L		05/04/18 07:53	05/14/18 19:42	1
PCB-68	**0.00041**	**J B q**	0.044	0.00012	ng/L		05/04/18 07:53	05/14/18 19:42	1
PCB-69	ND	C49	0.088	0.00015	ng/L		05/04/18 07:53	05/14/18 19:42	1
PCB-70	**0.0043**	**J C61 B q**	0.18	0.00013	ng/L		05/04/18 07:53	05/14/18 19:42	1
PCB-71	**0.0023**	**J B q C40**	0.13	0.00019	ng/L		05/04/18 07:53	05/14/18 19:42	1
PCB-72	ND		0.044	0.00013	ng/L		05/04/18 07:53	05/14/18 19:42	1
PCB-73	ND	C43	0.088	0.00017	ng/L		05/04/18 07:53	05/14/18 19:42	1
PCB-74	**0.0043**	**J C61 B q**	0.18	0.00013	ng/L		05/04/18 07:53	05/14/18 19:42	1
PCB-75	**0.00064**	**J B C59 q**	0.13	0.00013	ng/L		05/04/18 07:53	05/14/18 19:42	1
PCB-76	**0.0043**	**J C61 B q**	0.18	0.00013	ng/L		05/04/18 07:53	05/14/18 19:42	1
PCB-77	ND		0.044	0.00012	ng/L		05/04/18 07:53	05/14/18 19:42	1
PCB-78	**0.00052**	**J q**	0.044	0.00013	ng/L		05/04/18 07:53	05/14/18 19:42	1
PCB-79	ND		0.044	0.00011	ng/L		05/04/18 07:53	05/14/18 19:42	1
PCB-80	ND		0.044	0.00011	ng/L		05/04/18 07:53	05/14/18 19:42	1
PCB-81	ND		0.044	0.00012	ng/L		05/04/18 07:53	05/14/18 19:42	1
PCB-82	ND		0.044	0.00090	ng/L		05/04/18 07:53	05/14/18 19:42	1
PCB-83	ND	C	0.088	0.00086	ng/L		05/04/18 07:53	05/14/18 19:42	1
PCB-84	ND		0.044	0.00094	ng/L		05/04/18 07:53	05/14/18 19:42	1
PCB-85	ND	C	0.13	0.00065	ng/L		05/04/18 07:53	05/14/18 19:42	1
PCB-86	ND	C	0.26	0.00069	ng/L		05/04/18 07:53	05/14/18 19:42	1
PCB-87	ND	C86	0.26	0.00069	ng/L		05/04/18 07:53	05/14/18 19:42	1
PCB-88	ND	C	0.088	0.00082	ng/L		05/04/18 07:53	05/14/18 19:42	1
PCB-89	ND		0.044	0.00088	ng/L		05/04/18 07:53	05/14/18 19:42	1
PCB-90	**0.0017**	**J C B q**	0.13	0.00070	ng/L		05/04/18 07:53	05/14/18 19:42	1
PCB-91	ND	C88	0.088	0.00082	ng/L		05/04/18 07:53	05/14/18 19:42	1
PCB-92	ND		0.044	0.00084	ng/L		05/04/18 07:53	05/14/18 19:42	1
PCB-93	ND	C	0.088	0.00083	ng/L		05/04/18 07:53	05/14/18 19:42	1
PCB-94	ND		0.044	0.00089	ng/L		05/04/18 07:53	05/14/18 19:42	1
PCB-95	**0.0033**	**J B q**	0.044	0.00086	ng/L		05/04/18 07:53	05/14/18 19:42	1
PCB-96	ND		0.044	0.00066	ng/L		05/04/18 07:53	05/14/18 19:42	1
PCB-97	ND	C86	0.26	0.00069	ng/L		05/04/18 07:53	05/14/18 19:42	1
PCB-98	ND	C	0.088	0.00083	ng/L		05/04/18 07:53	05/14/18 19:42	1

Client Sample ID: PDI-RB-VV-041918
Date Collected: 04/19/18 17:00
Date Received: 04/20/18 13:00

Lab Sample ID: 580-76755-28
Matrix: Water

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-99	ND	C83	0.088	0.00086	ng/L		05/04/18 07:53	05/14/18 19:42	1
PCB-100	ND	C93	0.088	0.00083	ng/L		05/04/18 07:53	05/14/18 19:42	1
PCB-101	**0.0017**	**J B C90 q**	0.13	0.00070	ng/L		05/04/18 07:53	05/14/18 19:42	1
PCB-102	ND	C98	0.088	0.00083	ng/L		05/04/18 07:53	05/14/18 19:42	1
PCB-103	ND		0.044	0.00076	ng/L		05/04/18 07:53	05/14/18 19:42	1
PCB-104	ND		0.044	0.00059	ng/L		05/04/18 07:53	05/14/18 19:42	1
PCB-105	ND		0.044	0.00071	ng/L		05/04/18 07:53	05/14/18 19:42	1
PCB-106	ND		0.044	0.00074	ng/L		05/04/18 07:53	05/14/18 19:42	1
PCB-107	ND		0.044	0.00072	ng/L		05/04/18 07:53	05/14/18 19:42	1
PCB-108	ND	C	0.088	0.00075	ng/L		05/04/18 07:53	05/14/18 19:42	1
PCB-109	ND	C86	0.26	0.00069	ng/L		05/04/18 07:53	05/14/18 19:42	1
PCB-110	**0.0011**	**J C B q**	0.088	0.00057	ng/L		05/04/18 07:53	05/14/18 19:42	1
PCB-111	ND		0.044	0.00053	ng/L		05/04/18 07:53	05/14/18 19:42	1
PCB-112	ND		0.044	0.00058	ng/L		05/04/18 07:53	05/14/18 19:42	1
PCB-113	**0.0017**	**J B C90 q**	0.13	0.00070	ng/L		05/04/18 07:53	05/14/18 19:42	1
PCB-114	ND		0.044	0.00067	ng/L		05/04/18 07:53	05/14/18 19:42	1
PCB-115	**0.0011**	**J B C110 q**	0.088	0.00057	ng/L		05/04/18 07:53	05/14/18 19:42	1
PCB-116	ND	C85	0.13	0.00065	ng/L		05/04/18 07:53	05/14/18 19:42	1
PCB-117	ND	C85	0.13	0.00065	ng/L		05/04/18 07:53	05/14/18 19:42	1
PCB-118	**0.0027**	**J B**	0.044	0.00069	ng/L		05/04/18 07:53	05/14/18 19:42	1
PCB-119	ND	C86	0.26	0.00069	ng/L		05/04/18 07:53	05/14/18 19:42	1
PCB-120	ND		0.044	0.00052	ng/L		05/04/18 07:53	05/14/18 19:42	1
PCB-121	ND		0.044	0.00057	ng/L		05/04/18 07:53	05/14/18 19:42	1
PCB-122	ND		0.044	0.00082	ng/L		05/04/18 07:53	05/14/18 19:42	1
PCB-123	ND		0.044	0.00066	ng/L		05/04/18 07:53	05/14/18 19:42	1
PCB-124	ND	C108	0.088	0.00075	ng/L		05/04/18 07:53	05/14/18 19:42	1
PCB-125	ND	C86	0.26	0.00069	ng/L		05/04/18 07:53	05/14/18 19:42	1
PCB-126	ND		0.044	0.00071	ng/L		05/04/18 07:53	05/14/18 19:42	1
PCB-127	**0.0010**	**J**	0.044	0.00071	ng/L		05/04/18 07:53	05/14/18 19:42	1
PCB-128	ND	C	0.088	0.00015	ng/L		05/04/18 07:53	05/14/18 19:42	1
PCB-129	**0.0022**	**J C B**	0.18	0.00015	ng/L		05/04/18 07:53	05/14/18 19:42	1
PCB-130	ND		0.044	0.00020	ng/L		05/04/18 07:53	05/14/18 19:42	1
PCB-131	ND		0.044	0.00020	ng/L		05/04/18 07:53	05/14/18 19:42	1
PCB-132	**0.00029**	**J q**	0.044	0.00020	ng/L		05/04/18 07:53	05/14/18 19:42	1
PCB-133	ND		0.044	0.00019	ng/L		05/04/18 07:53	05/14/18 19:42	1
PCB-134	ND	C	0.088	0.00020	ng/L		05/04/18 07:53	05/14/18 19:42	1
PCB-135	ND	C	0.088	0.00030	ng/L		05/04/18 07:53	05/14/18 19:42	1
PCB-136	ND		0.044	0.00022	ng/L		05/04/18 07:53	05/14/18 19:42	1
PCB-137	ND		0.044	0.00016	ng/L		05/04/18 07:53	05/14/18 19:42	1
PCB-138	**0.0022**	**J B C129**	0.18	0.00015	ng/L		05/04/18 07:53	05/14/18 19:42	1
PCB-139	ND	C	0.088	0.00017	ng/L		05/04/18 07:53	05/14/18 19:42	1
PCB-140	ND	C139	0.088	0.00017	ng/L		05/04/18 07:53	05/14/18 19:42	1
PCB-141	ND		0.044	0.00017	ng/L		05/04/18 07:53	05/14/18 19:42	1
PCB-142	ND		0.044	0.00019	ng/L		05/04/18 07:53	05/14/18 19:42	1
PCB-143	ND	C134	0.088	0.00020	ng/L		05/04/18 07:53	05/14/18 19:42	1
PCB-144	ND		0.044	0.00028	ng/L		05/04/18 07:53	05/14/18 19:42	1
PCB-145	ND		0.044	0.00022	ng/L		05/04/18 07:53	05/14/18 19:42	1
PCB-146	ND		0.044	0.00016	ng/L		05/04/18 07:53	05/14/18 19:42	1
PCB-147	**0.0013**	**J C B**	0.088	0.00017	ng/L		05/04/18 07:53	05/14/18 19:42	1

Client Sample ID: PDI-RB-VV-041918
Date Collected: 04/19/18 17:00
Date Received: 04/20/18 13:00

Lab Sample ID: 580-76755-28
Matrix: Water

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-148	ND		0.044	0.00029	ng/L		05/04/18 07:53	05/14/18 19:42	1
PCB-149	**0.0013**	**J B C147**	0.088	0.00017	ng/L		05/04/18 07:53	05/14/18 19:42	1
PCB-150	ND		0.044	0.00020	ng/L		05/04/18 07:53	05/14/18 19:42	1
PCB-151	ND	C135	0.088	0.00030	ng/L		05/04/18 07:53	05/14/18 19:42	1
PCB-152	ND		0.044	0.00021	ng/L		05/04/18 07:53	05/14/18 19:42	1
PCB-153	**0.0020**	**J C B**	0.088	0.00013	ng/L		05/04/18 07:53	05/14/18 19:42	1
PCB-154	ND		0.044	0.00025	ng/L		05/04/18 07:53	05/14/18 19:42	1
PCB-155	ND		0.044	0.00020	ng/L		05/04/18 07:53	05/14/18 19:42	1
PCB-156	ND	C	0.088	0.00016	ng/L		05/04/18 07:53	05/14/18 19:42	1
PCB-157	ND	C156	0.088	0.00016	ng/L		05/04/18 07:53	05/14/18 19:42	1
PCB-158	**0.00018**	**J q**	0.044	0.00012	ng/L		05/04/18 07:53	05/14/18 19:42	1
PCB-159	ND		0.044	0.00012	ng/L		05/04/18 07:53	05/14/18 19:42	1
PCB-160	**0.0022**	**J B C129**	0.18	0.00015	ng/L		05/04/18 07:53	05/14/18 19:42	1
PCB-161	ND		0.044	0.00012	ng/L		05/04/18 07:53	05/14/18 19:42	1
PCB-162	ND		0.044	0.00012	ng/L		05/04/18 07:53	05/14/18 19:42	1
PCB-163	**0.0022**	**J B C129**	0.18	0.00015	ng/L		05/04/18 07:53	05/14/18 19:42	1
PCB-164	ND		0.044	0.00013	ng/L		05/04/18 07:53	05/14/18 19:42	1
PCB-165	ND		0.044	0.00014	ng/L		05/04/18 07:53	05/14/18 19:42	1
PCB-166	ND	C128	0.088	0.00015	ng/L		05/04/18 07:53	05/14/18 19:42	1
PCB-167	**0.00038**	**J q**	0.044	0.000087	ng/L		05/04/18 07:53	05/14/18 19:42	1
PCB-168	**0.0020**	**J B C153**	0.088	0.00013	ng/L		05/04/18 07:53	05/14/18 19:42	1
PCB-169	ND		0.044	0.000090	ng/L		05/04/18 07:53	05/14/18 19:42	1
PCB-170	ND		0.044	0.00012	ng/L		05/04/18 07:53	05/14/18 19:42	1
PCB-171	ND	C	0.088	0.00012	ng/L		05/04/18 07:53	05/14/18 19:42	1
PCB-172	ND		0.044	0.00011	ng/L		05/04/18 07:53	05/14/18 19:42	1
PCB-173	ND	C171	0.088	0.00012	ng/L		05/04/18 07:53	05/14/18 19:42	1
PCB-174	ND		0.044	0.00012	ng/L		05/04/18 07:53	05/14/18 19:42	1
PCB-175	ND		0.044	0.00011	ng/L		05/04/18 07:53	05/14/18 19:42	1
PCB-176	ND		0.044	0.000075	ng/L		05/04/18 07:53	05/14/18 19:42	1
PCB-177	ND		0.044	0.00012	ng/L		05/04/18 07:53	05/14/18 19:42	1
PCB-178	ND		0.044	0.00011	ng/L		05/04/18 07:53	05/14/18 19:42	1
PCB-179	ND		0.044	0.000083	ng/L		05/04/18 07:53	05/14/18 19:42	1
PCB-180	**0.00045**	**J C q**	0.088	0.000088	ng/L		05/04/18 07:53	05/14/18 19:42	1
PCB-181	ND		0.044	0.00010	ng/L		05/04/18 07:53	05/14/18 19:42	1
PCB-182	ND		0.044	0.000097	ng/L		05/04/18 07:53	05/14/18 19:42	1
PCB-183	**0.00058**	**J C B q**	0.088	0.000099	ng/L		05/04/18 07:53	05/14/18 19:42	1
PCB-184	ND		0.044	0.000084	ng/L		05/04/18 07:53	05/14/18 19:42	1
PCB-185	**0.00058**	**J B C183 q**	0.088	0.000099	ng/L		05/04/18 07:53	05/14/18 19:42	1
PCB-186	ND		0.044	0.000080	ng/L		05/04/18 07:53	05/14/18 19:42	1
PCB-187	ND		0.044	0.00010	ng/L		05/04/18 07:53	05/14/18 19:42	1
PCB-188	ND		0.044	0.000074	ng/L		05/04/18 07:53	05/14/18 19:42	1
PCB-189	ND		0.044	0.00011	ng/L		05/04/18 07:53	05/14/18 19:42	1
PCB-190	ND		0.044	0.000076	ng/L		05/04/18 07:53	05/14/18 19:42	1
PCB-191	ND		0.044	0.000077	ng/L		05/04/18 07:53	05/14/18 19:42	1
PCB-192	ND		0.044	0.000082	ng/L		05/04/18 07:53	05/14/18 19:42	1
PCB-193	**0.00045**	**J C180 q**	0.088	0.000088	ng/L		05/04/18 07:53	05/14/18 19:42	1
PCB-194	ND		0.044	0.00012	ng/L		05/04/18 07:53	05/14/18 19:42	1
PCB-195	ND		0.044	0.00013	ng/L		05/04/18 07:53	05/14/18 19:42	1
PCB-196	ND		0.044	0.00021	ng/L		05/04/18 07:53	05/14/18 19:42	1

Client Sample ID: PDI-RB-VV-041918
Date Collected: 04/19/18 17:00
Date Received: 04/20/18 13:00

Lab Sample ID: 580-76755-28
Matrix: Water

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-197	ND		0.044	0.00014	ng/L		05/04/18 07:53	05/14/18 19:42	1
PCB-198	ND	C	0.088	0.00022	ng/L		05/04/18 07:53	05/14/18 19:42	1
PCB-199	ND	C198	0.088	0.00022	ng/L		05/04/18 07:53	05/14/18 19:42	1
PCB-200	ND		0.044	0.00016	ng/L		05/04/18 07:53	05/14/18 19:42	1
PCB-201	ND		0.044	0.00015	ng/L		05/04/18 07:53	05/14/18 19:42	1
PCB-202	ND		0.044	0.00017	ng/L		05/04/18 07:53	05/14/18 19:42	1
PCB-203	ND		0.044	0.00019	ng/L		05/04/18 07:53	05/14/18 19:42	1
PCB-204	ND		0.044	0.00016	ng/L		05/04/18 07:53	05/14/18 19:42	1
PCB-205	ND		0.044	0.000090	ng/L		05/04/18 07:53	05/14/18 19:42	1
PCB-206	ND		0.044	0.0023	ng/L		05/04/18 07:53	05/14/18 19:42	1
PCB-207	ND		0.044	0.0014	ng/L		05/04/18 07:53	05/14/18 19:42	1
PCB-208	ND		0.044	0.0015	ng/L		05/04/18 07:53	05/14/18 19:42	1
PCB-209	ND		0.044	0.00013	ng/L		05/04/18 07:53	05/14/18 19:42	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
PCB-1L	*109*		*30 - 140*	*05/04/18 07:53*	*05/14/18 19:42*	*1*
PCB-3L	*108*		*30 - 140*	*05/04/18 07:53*	*05/14/18 19:42*	*1*
PCB-4L	*94*		*30 - 140*	*05/04/18 07:53*	*05/14/18 19:42*	*1*
PCB-15L	*89*		*30 - 140*	*05/04/18 07:53*	*05/14/18 19:42*	*1*
PCB-19L	*81*		*30 - 140*	*05/04/18 07:53*	*05/14/18 19:42*	*1*
PCB-37L	*89*		*30 - 140*	*05/04/18 07:53*	*05/14/18 19:42*	*1*
PCB-54L	*78*		*30 - 140*	*05/04/18 07:53*	*05/14/18 19:42*	*1*
PCB-77L	*95*		*30 - 140*	*05/04/18 07:53*	*05/14/18 19:42*	*1*
PCB-81L	*93*		*30 - 140*	*05/04/18 07:53*	*05/14/18 19:42*	*1*
PCB-104L	*89*		*30 - 140*	*05/04/18 07:53*	*05/14/18 19:42*	*1*
PCB-105L	*87*		*30 - 140*	*05/04/18 07:53*	*05/14/18 19:42*	*1*
PCB-114L	*85*		*30 - 140*	*05/04/18 07:53*	*05/14/18 19:42*	*1*
PCB-118L	*89*		*30 - 140*	*05/04/18 07:53*	*05/14/18 19:42*	*1*
PCB-123L	*89*		*30 - 140*	*05/04/18 07:53*	*05/14/18 19:42*	*1*
PCB-126L	*90*		*30 - 140*	*05/04/18 07:53*	*05/14/18 19:42*	*1*
PCB-155L	*95*		*30 - 140*	*05/04/18 07:53*	*05/14/18 19:42*	*1*
PCB-156L	*84*	*C*	*30 - 140*	*05/04/18 07:53*	*05/14/18 19:42*	*1*
PCB-157L	*84*	*C156*	*30 - 140*	*05/04/18 07:53*	*05/14/18 19:42*	*1*
PCB-167L	*85*		*30 - 140*	*05/04/18 07:53*	*05/14/18 19:42*	*1*
PCB-169L	*85*		*30 - 140*	*05/04/18 07:53*	*05/14/18 19:42*	*1*
PCB-170L	*84*		*30 - 140*	*05/04/18 07:53*	*05/14/18 19:42*	*1*
PCB-188L	*87*		*30 - 140*	*05/04/18 07:53*	*05/14/18 19:42*	*1*
PCB-189L	*100*		*30 - 140*	*05/04/18 07:53*	*05/14/18 19:42*	*1*
PCB-202L	*90*		*30 - 140*	*05/04/18 07:53*	*05/14/18 19:42*	*1*
PCB-205L	*84*		*30 - 140*	*05/04/18 07:53*	*05/14/18 19:42*	*1*
PCB-206L	*66*		*30 - 140*	*05/04/18 07:53*	*05/14/18 19:42*	*1*
PCB-208L	*72*		*30 - 140*	*05/04/18 07:53*	*05/14/18 19:42*	*1*
PCB-209L	*56*		*30 - 140*	*05/04/18 07:53*	*05/14/18 19:42*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
PCB-28L	*88*		*40 - 125*	*05/04/18 07:53*	*05/14/18 19:42*	*1*
PCB-111L	*96*		*40 - 125*	*05/04/18 07:53*	*05/14/18 19:42*	*1*
PCB-178L	*92*		*40 - 125*	*05/04/18 07:53*	*05/14/18 19:42*	*1*

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

Lab Sample ID: MB 140-19882/16-B
Matrix: Solid
Analysis Batch: 20133

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 19882

Analyte	MB Result	MB Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1	ND		0.010	0.00020	ng/g		04/27/18 08:13	05/08/18 02:11	1
PCB-2	0.000828	J q	0.010	0.00023	ng/g		04/27/18 08:13	05/08/18 02:11	1
PCB-3	0.000814	J q	0.010	0.00027	ng/g		04/27/18 08:13	05/08/18 02:11	1
PCB-4	ND		0.020	0.00037	ng/g		04/27/18 08:13	05/08/18 02:11	1
PCB-5	0.00110	J	0.010	0.00028	ng/g		04/27/18 08:13	05/08/18 02:11	1
PCB-6	ND		0.010	0.00028	ng/g		04/27/18 08:13	05/08/18 02:11	1
PCB-7	ND		0.010	0.00026	ng/g		04/27/18 08:13	05/08/18 02:11	1
PCB-8	0.00337	J	0.020	0.00027	ng/g		04/27/18 08:13	05/08/18 02:11	1
PCB-9	ND		0.010	0.00031	ng/g		04/27/18 08:13	05/08/18 02:11	1
PCB-10	ND		0.010	0.00030	ng/g		04/27/18 08:13	05/08/18 02:11	1
PCB-11	0.00298	J q	0.020	0.00025	ng/g		04/27/18 08:13	05/08/18 02:11	1
PCB-12	0.000552	J q C	0.020	0.00025	ng/g		04/27/18 08:13	05/08/18 02:11	1
PCB-13	0.000552	J q C12	0.020	0.00025	ng/g		04/27/18 08:13	05/08/18 02:11	1
PCB-14	ND		0.010	0.00023	ng/g		04/27/18 08:13	05/08/18 02:11	1
PCB-15	ND		0.010	0.00030	ng/g		04/27/18 08:13	05/08/18 02:11	1
PCB-16	ND		0.010	0.00017	ng/g		04/27/18 08:13	05/08/18 02:11	1
PCB-17	ND		0.010	0.00013	ng/g		04/27/18 08:13	05/08/18 02:11	1
PCB-18	ND	C	0.020	0.00011	ng/g		04/27/18 08:13	05/08/18 02:11	1
PCB-19	ND		0.010	0.00016	ng/g		04/27/18 08:13	05/08/18 02:11	1
PCB-20	0.00152	J q C	0.020	0.00027	ng/g		04/27/18 08:13	05/08/18 02:11	1
PCB-21	0.000750	J C	0.020	0.00025	ng/g		04/27/18 08:13	05/08/18 02:11	1
PCB-22	0.000539	J q	0.010	0.00027	ng/g		04/27/18 08:13	05/08/18 02:11	1
PCB-23	ND		0.010	0.00027	ng/g		04/27/18 08:13	05/08/18 02:11	1
PCB-24	ND		0.010	0.000096	ng/g		04/27/18 08:13	05/08/18 02:11	1
PCB-25	0.000501	J q	0.010	0.00026	ng/g		04/27/18 08:13	05/08/18 02:11	1
PCB-26	0.000788	J q C	0.020	0.00027	ng/g		04/27/18 08:13	05/08/18 02:11	1
PCB-27	ND		0.010	0.000095	ng/g		04/27/18 08:13	05/08/18 02:11	1
PCB-28	0.00152	J q C20	0.020	0.00027	ng/g		04/27/18 08:13	05/08/18 02:11	1
PCB-29	0.000788	J q C26	0.020	0.00027	ng/g		04/27/18 08:13	05/08/18 02:11	1
PCB-30	ND	C18	0.020	0.00011	ng/g		04/27/18 08:13	05/08/18 02:11	1
PCB-31	0.00114	J q	0.020	0.00025	ng/g		04/27/18 08:13	05/08/18 02:11	1
PCB-32	ND		0.010	0.000087	ng/g		04/27/18 08:13	05/08/18 02:11	1
PCB-33	0.000750	J C21	0.020	0.00025	ng/g		04/27/18 08:13	05/08/18 02:11	1
PCB-34	ND		0.010	0.00028	ng/g		04/27/18 08:13	05/08/18 02:11	1
PCB-35	ND		0.010	0.00026	ng/g		04/27/18 08:13	05/08/18 02:11	1
PCB-36	ND		0.010	0.00024	ng/g		04/27/18 08:13	05/08/18 02:11	1
PCB-37	ND		0.010	0.00025	ng/g		04/27/18 08:13	05/08/18 02:11	1
PCB-38	ND		0.010	0.00026	ng/g		04/27/18 08:13	05/08/18 02:11	1
PCB-39	ND		0.010	0.00024	ng/g		04/27/18 08:13	05/08/18 02:11	1
PCB-40	ND	C	0.030	0.00052	ng/g		04/27/18 08:13	05/08/18 02:11	1
PCB-41	ND	C40	0.030	0.00052	ng/g		04/27/18 08:13	05/08/18 02:11	1
PCB-42	ND		0.010	0.00052	ng/g		04/27/18 08:13	05/08/18 02:11	1
PCB-43	ND	C	0.020	0.00047	ng/g		04/27/18 08:13	05/08/18 02:11	1
PCB-44	0.00188	J q C	0.030	0.00046	ng/g		04/27/18 08:13	05/08/18 02:11	1
PCB-45	ND	C	0.020	0.00055	ng/g		04/27/18 08:13	05/08/18 02:11	1
PCB-46	ND		0.010	0.00064	ng/g		04/27/18 08:13	05/08/18 02:11	1
PCB-47	0.00188	J q C44	0.030	0.00046	ng/g		04/27/18 08:13	05/08/18 02:11	1
PCB-48	ND		0.010	0.00050	ng/g		04/27/18 08:13	05/08/18 02:11	1

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

Lab Sample ID: MB 140-19882/16-B
Matrix: Solid
Analysis Batch: 20133

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 19882

Analyte	MB Result	MB Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-49	ND	q C	0.020	0.00042	ng/g		04/27/18 08:13	05/08/18 02:11	1
PCB-50	ND	C	0.020	0.00052	ng/g		04/27/18 08:13	05/08/18 02:11	1
PCB-51	ND	C45	0.020	0.00055	ng/g		04/27/18 08:13	05/08/18 02:11	1
PCB-52	ND		0.010	0.00054	ng/g		04/27/18 08:13	05/08/18 02:11	1
PCB-53	ND	C50	0.020	0.00052	ng/g		04/27/18 08:13	05/08/18 02:11	1
PCB-54	ND		0.010	0.00013	ng/g		04/27/18 08:13	05/08/18 02:11	1
PCB-55	ND		0.010	0.00035	ng/g		04/27/18 08:13	05/08/18 02:11	1
PCB-56	ND		0.010	0.00036	ng/g		04/27/18 08:13	05/08/18 02:11	1
PCB-57	ND		0.010	0.00036	ng/g		04/27/18 08:13	05/08/18 02:11	1
PCB-58	ND		0.010	0.00035	ng/g		04/27/18 08:13	05/08/18 02:11	1
PCB-59	ND	C	0.030	0.00035	ng/g		04/27/18 08:13	05/08/18 02:11	1
PCB-60	ND		0.010	0.00035	ng/g		04/27/18 08:13	05/08/18 02:11	1
PCB-61	0.00104	J C	0.040	0.00034	ng/g		04/27/18 08:13	05/08/18 02:11	1
PCB-62	ND	C59	0.030	0.00035	ng/g		04/27/18 08:13	05/08/18 02:11	1
PCB-63	ND		0.010	0.00031	ng/g		04/27/18 08:13	05/08/18 02:11	1
PCB-64	ND		0.010	0.00033	ng/g		04/27/18 08:13	05/08/18 02:11	1
PCB-65	0.00188	J q C44	0.030	0.00046	ng/g		04/27/18 08:13	05/08/18 02:11	1
PCB-66	ND		0.010	0.00034	ng/g		04/27/18 08:13	05/08/18 02:11	1
PCB-67	ND		0.010	0.00033	ng/g		04/27/18 08:13	05/08/18 02:11	1
PCB-68	ND		0.010	0.00031	ng/g		04/27/18 08:13	05/08/18 02:11	1
PCB-69	ND	C49	0.020	0.00042	ng/g		04/27/18 08:13	05/08/18 02:11	1
PCB-70	0.00104	J C61	0.040	0.00034	ng/g		04/27/18 08:13	05/08/18 02:11	1
PCB-71	ND	C40	0.030	0.00052	ng/g		04/27/18 08:13	05/08/18 02:11	1
PCB-72	ND		0.010	0.00035	ng/g		04/27/18 08:13	05/08/18 02:11	1
PCB-73	ND	C43	0.020	0.00047	ng/g		04/27/18 08:13	05/08/18 02:11	1
PCB-74	0.00104	J C61	0.040	0.00034	ng/g		04/27/18 08:13	05/08/18 02:11	1
PCB-75	ND	C59	0.030	0.00035	ng/g		04/27/18 08:13	05/08/18 02:11	1
PCB-76	0.00104	J C61	0.040	0.00034	ng/g		04/27/18 08:13	05/08/18 02:11	1
PCB-77	ND		0.010	0.00032	ng/g		04/27/18 08:13	05/08/18 02:11	1
PCB-78	ND		0.010	0.00035	ng/g		04/27/18 08:13	05/08/18 02:11	1
PCB-79	ND		0.010	0.00030	ng/g		04/27/18 08:13	05/08/18 02:11	1
PCB-80	ND		0.010	0.00031	ng/g		04/27/18 08:13	05/08/18 02:11	1
PCB-81	ND		0.010	0.00033	ng/g		04/27/18 08:13	05/08/18 02:11	1
PCB-82	ND		0.010	0.00021	ng/g		04/27/18 08:13	05/08/18 02:11	1
PCB-83	ND	C	0.020	0.00020	ng/g		04/27/18 08:13	05/08/18 02:11	1
PCB-84	ND		0.010	0.00022	ng/g		04/27/18 08:13	05/08/18 02:11	1
PCB-85	ND	C	0.030	0.00015	ng/g		04/27/18 08:13	05/08/18 02:11	1
PCB-86	ND	C	0.060	0.00016	ng/g		04/27/18 08:13	05/08/18 02:11	1
PCB-87	ND	C86	0.060	0.00016	ng/g		04/27/18 08:13	05/08/18 02:11	1
PCB-88	ND	C	0.020	0.00019	ng/g		04/27/18 08:13	05/08/18 02:11	1
PCB-89	ND		0.010	0.00021	ng/g		04/27/18 08:13	05/08/18 02:11	1
PCB-90	ND	C	0.030	0.00017	ng/g		04/27/18 08:13	05/08/18 02:11	1
PCB-91	ND	C88	0.020	0.00019	ng/g		04/27/18 08:13	05/08/18 02:11	1
PCB-92	ND		0.010	0.00020	ng/g		04/27/18 08:13	05/08/18 02:11	1
PCB-93	ND	C	0.020	0.00020	ng/g		04/27/18 08:13	05/08/18 02:11	1
PCB-94	ND		0.010	0.00021	ng/g		04/27/18 08:13	05/08/18 02:11	1
PCB-95	ND		0.010	0.00020	ng/g		04/27/18 08:13	05/08/18 02:11	1
PCB-96	ND		0.010	0.00016	ng/g		04/27/18 08:13	05/08/18 02:11	1

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

Lab Sample ID: MB 140-19882/16-B
Matrix: Solid
Analysis Batch: 20133

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 19882

Analyte	MB Result	MB Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-97	ND	C86	0.060	0.00016	ng/g		04/27/18 08:13	05/08/18 02:11	1
PCB-98	ND	C	0.020	0.00020	ng/g		04/27/18 08:13	05/08/18 02:11	1
PCB-99	ND	C83	0.020	0.00020	ng/g		04/27/18 08:13	05/08/18 02:11	1
PCB-100	ND	C93	0.020	0.00020	ng/g		04/27/18 08:13	05/08/18 02:11	1
PCB-101	ND	C90	0.030	0.00017	ng/g		04/27/18 08:13	05/08/18 02:11	1
PCB-102	ND	C98	0.020	0.00020	ng/g		04/27/18 08:13	05/08/18 02:11	1
PCB-103	ND		0.010	0.00018	ng/g		04/27/18 08:13	05/08/18 02:11	1
PCB-104	ND		0.010	0.00014	ng/g		04/27/18 08:13	05/08/18 02:11	1
PCB-105	ND		0.010	0.00030	ng/g		04/27/18 08:13	05/08/18 02:11	1
PCB-106	ND		0.010	0.00032	ng/g		04/27/18 08:13	05/08/18 02:11	1
PCB-107	ND		0.010	0.00032	ng/g		04/27/18 08:13	05/08/18 02:11	1
PCB-108	ND	C	0.020	0.00033	ng/g		04/27/18 08:13	05/08/18 02:11	1
PCB-109	ND	C86	0.060	0.00016	ng/g		04/27/18 08:13	05/08/18 02:11	1
PCB-110	ND	C	0.020	0.00013	ng/g		04/27/18 08:13	05/08/18 02:11	1
PCB-111	ND		0.010	0.00013	ng/g		04/27/18 08:13	05/08/18 02:11	1
PCB-112	ND		0.010	0.00014	ng/g		04/27/18 08:13	05/08/18 02:11	1
PCB-113	ND	C90	0.030	0.00017	ng/g		04/27/18 08:13	05/08/18 02:11	1
PCB-114	ND		0.010	0.00030	ng/g		04/27/18 08:13	05/08/18 02:11	1
PCB-115	ND	C110	0.020	0.00013	ng/g		04/27/18 08:13	05/08/18 02:11	1
PCB-116	ND	C85	0.030	0.00015	ng/g		04/27/18 08:13	05/08/18 02:11	1
PCB-117	ND	C85	0.030	0.00015	ng/g		04/27/18 08:13	05/08/18 02:11	1
PCB-118	0.000640	J q	0.010	0.00030	ng/g		04/27/18 08:13	05/08/18 02:11	1
PCB-119	ND	C86	0.060	0.00016	ng/g		04/27/18 08:13	05/08/18 02:11	1
PCB-120	ND		0.010	0.00012	ng/g		04/27/18 08:13	05/08/18 02:11	1
PCB-121	ND		0.010	0.00013	ng/g		04/27/18 08:13	05/08/18 02:11	1
PCB-122	ND		0.010	0.00036	ng/g		04/27/18 08:13	05/08/18 02:11	1
PCB-123	ND		0.010	0.00030	ng/g		04/27/18 08:13	05/08/18 02:11	1
PCB-124	ND	C108	0.020	0.00033	ng/g		04/27/18 08:13	05/08/18 02:11	1
PCB-125	ND	C86	0.060	0.00016	ng/g		04/27/18 08:13	05/08/18 02:11	1
PCB-126	ND		0.010	0.00031	ng/g		04/27/18 08:13	05/08/18 02:11	1
PCB-127	ND		0.010	0.00031	ng/g		04/27/18 08:13	05/08/18 02:11	1
PCB-128	0.000498	J q C	0.020	0.000065	ng/g		04/27/18 08:13	05/08/18 02:11	1
PCB-129	0.000266	J q C	0.040	0.000066	ng/g		04/27/18 08:13	05/08/18 02:11	1
PCB-130	ND		0.010	0.000088	ng/g		04/27/18 08:13	05/08/18 02:11	1
PCB-131	ND		0.010	0.000089	ng/g		04/27/18 08:13	05/08/18 02:11	1
PCB-132	ND		0.010	0.000086	ng/g		04/27/18 08:13	05/08/18 02:11	1
PCB-133	ND		0.010	0.000083	ng/g		04/27/18 08:13	05/08/18 02:11	1
PCB-134	ND	C	0.020	0.000087	ng/g		04/27/18 08:13	05/08/18 02:11	1
PCB-135	ND	C	0.020	0.00016	ng/g		04/27/18 08:13	05/08/18 02:11	1
PCB-136	ND		0.010	0.00012	ng/g		04/27/18 08:13	05/08/18 02:11	1
PCB-137	ND		0.010	0.000072	ng/g		04/27/18 08:13	05/08/18 02:11	1
PCB-138	0.000266	J q C129	0.040	0.000066	ng/g		04/27/18 08:13	05/08/18 02:11	1
PCB-139	ND	C	0.020	0.000074	ng/g		04/27/18 08:13	05/08/18 02:11	1
PCB-140	ND	C139	0.020	0.000074	ng/g		04/27/18 08:13	05/08/18 02:11	1
PCB-141	ND		0.010	0.000077	ng/g		04/27/18 08:13	05/08/18 02:11	1
PCB-142	ND		0.010	0.000084	ng/g		04/27/18 08:13	05/08/18 02:11	1
PCB-143	ND	C134	0.020	0.000087	ng/g		04/27/18 08:13	05/08/18 02:11	1
PCB-144	ND		0.010	0.00015	ng/g		04/27/18 08:13	05/08/18 02:11	1

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

Lab Sample ID: MB 140-19882/16-B
Matrix: Solid
Analysis Batch: 20133

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 19882

Analyte	MB Result	MB Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-145	ND		0.010	0.00012	ng/g		04/27/18 08:13	05/08/18 02:11	1
PCB-146	ND		0.010	0.000070	ng/g		04/27/18 08:13	05/08/18 02:11	1
PCB-147	0.000281	J q C	0.020	0.000074	ng/g		04/27/18 08:13	05/08/18 02:11	1
PCB-148	ND		0.010	0.00015	ng/g		04/27/18 08:13	05/08/18 02:11	1
PCB-149	0.000281	J q C147	0.020	0.000074	ng/g		04/27/18 08:13	05/08/18 02:11	1
PCB-150	ND		0.010	0.00010	ng/g		04/27/18 08:13	05/08/18 02:11	1
PCB-151	ND	C135	0.020	0.00016	ng/g		04/27/18 08:13	05/08/18 02:11	1
PCB-152	ND		0.010	0.00011	ng/g		04/27/18 08:13	05/08/18 02:11	1
PCB-153	ND	C	0.020	0.000058	ng/g		04/27/18 08:13	05/08/18 02:11	1
PCB-154	ND		0.010	0.00013	ng/g		04/27/18 08:13	05/08/18 02:11	1
PCB-155	ND		0.010	0.00011	ng/g		04/27/18 08:13	05/08/18 02:11	1
PCB-156	0.000151	J q C	0.020	0.000069	ng/g		04/27/18 08:13	05/08/18 02:11	1
PCB-157	0.000151	J q C156	0.020	0.000069	ng/g		04/27/18 08:13	05/08/18 02:11	1
PCB-158	ND		0.010	0.000051	ng/g		04/27/18 08:13	05/08/18 02:11	1
PCB-159	0.000190	J q	0.010	0.000053	ng/g		04/27/18 08:13	05/08/18 02:11	1
PCB-160	0.000266	J q C129	0.040	0.000066	ng/g		04/27/18 08:13	05/08/18 02:11	1
PCB-161	ND		0.010	0.000055	ng/g		04/27/18 08:13	05/08/18 02:11	1
PCB-162	ND		0.010	0.000052	ng/g		04/27/18 08:13	05/08/18 02:11	1
PCB-163	0.000266	J q C129	0.040	0.000066	ng/g		04/27/18 08:13	05/08/18 02:11	1
PCB-164	ND		0.010	0.000056	ng/g		04/27/18 08:13	05/08/18 02:11	1
PCB-165	ND		0.010	0.000063	ng/g		04/27/18 08:13	05/08/18 02:11	1
PCB-166	0.000498	J q C128	0.020	0.000065	ng/g		04/27/18 08:13	05/08/18 02:11	1
PCB-167	0.000139	J q	0.010	0.000040	ng/g		04/27/18 08:13	05/08/18 02:11	1
PCB-168	ND	C153	0.020	0.000058	ng/g		04/27/18 08:13	05/08/18 02:11	1
PCB-169	ND		0.010	0.000041	ng/g		04/27/18 08:13	05/08/18 02:11	1
PCB-170	ND		0.010	0.00014	ng/g		04/27/18 08:13	05/08/18 02:11	1
PCB-171	ND	C	0.020	0.00014	ng/g		04/27/18 08:13	05/08/18 02:11	1
PCB-172	ND		0.010	0.00014	ng/g		04/27/18 08:13	05/08/18 02:11	1
PCB-173	ND	C171	0.020	0.00014	ng/g		04/27/18 08:13	05/08/18 02:11	1
PCB-174	ND		0.010	0.00014	ng/g		04/27/18 08:13	05/08/18 02:11	1
PCB-175	ND		0.010	0.00013	ng/g		04/27/18 08:13	05/08/18 02:11	1
PCB-176	ND		0.010	0.000090	ng/g		04/27/18 08:13	05/08/18 02:11	1
PCB-177	ND		0.010	0.00014	ng/g		04/27/18 08:13	05/08/18 02:11	1
PCB-178	ND		0.010	0.00013	ng/g		04/27/18 08:13	05/08/18 02:11	1
PCB-179	ND		0.010	0.000098	ng/g		04/27/18 08:13	05/08/18 02:11	1
PCB-180	ND	C	0.020	0.00011	ng/g		04/27/18 08:13	05/08/18 02:11	1
PCB-181	ND		0.010	0.00012	ng/g		04/27/18 08:13	05/08/18 02:11	1
PCB-182	ND		0.010	0.00012	ng/g		04/27/18 08:13	05/08/18 02:11	1
PCB-183	ND	C	0.020	0.00012	ng/g		04/27/18 08:13	05/08/18 02:11	1
PCB-184	ND		0.010	0.00010	ng/g		04/27/18 08:13	05/08/18 02:11	1
PCB-185	ND	C183	0.020	0.00012	ng/g		04/27/18 08:13	05/08/18 02:11	1
PCB-186	ND		0.010	0.000095	ng/g		04/27/18 08:13	05/08/18 02:11	1
PCB-187	ND		0.010	0.00012	ng/g		04/27/18 08:13	05/08/18 02:11	1
PCB-188	ND		0.010	0.000090	ng/g		04/27/18 08:13	05/08/18 02:11	1
PCB-189	ND		0.010	0.00015	ng/g		04/27/18 08:13	05/08/18 02:11	1
PCB-190	ND		0.010	0.000091	ng/g		04/27/18 08:13	05/08/18 02:11	1
PCB-191	ND		0.010	0.000092	ng/g		04/27/18 08:13	05/08/18 02:11	1
PCB-192	ND		0.010	0.000097	ng/g		04/27/18 08:13	05/08/18 02:11	1

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

Lab Sample ID: MB 140-19882/16-B
Matrix: Solid
Analysis Batch: 20133

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 19882

Analyte	MB Result	MB Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-193	ND	C180	0.020	0.00011	ng/g		04/27/18 08:13	05/08/18 02:11	1
PCB-194	0.000134	J	0.010	0.000061	ng/g		04/27/18 08:13	05/08/18 02:11	1
PCB-195	ND		0.010	0.000068	ng/g		04/27/18 08:13	05/08/18 02:11	1
PCB-196	ND		0.010	0.00016	ng/g		04/27/18 08:13	05/08/18 02:11	1
PCB-197	ND		0.010	0.00011	ng/g		04/27/18 08:13	05/08/18 02:11	1
PCB-198	ND	C	0.020	0.00017	ng/g		04/27/18 08:13	05/08/18 02:11	1
PCB-199	ND	C198	0.020	0.00017	ng/g		04/27/18 08:13	05/08/18 02:11	1
PCB-200	ND		0.010	0.00012	ng/g		04/27/18 08:13	05/08/18 02:11	1
PCB-201	ND		0.010	0.00012	ng/g		04/27/18 08:13	05/08/18 02:11	1
PCB-202	ND		0.010	0.00013	ng/g		04/27/18 08:13	05/08/18 02:11	1
PCB-203	ND		0.010	0.00015	ng/g		04/27/18 08:13	05/08/18 02:11	1
PCB-204	ND		0.010	0.00012	ng/g		04/27/18 08:13	05/08/18 02:11	1
PCB-205	ND		0.010	0.000046	ng/g		04/27/18 08:13	05/08/18 02:11	1
PCB-206	ND		0.010	0.0010	ng/g		04/27/18 08:13	05/08/18 02:11	1
PCB-207	ND		0.010	0.00073	ng/g		04/27/18 08:13	05/08/18 02:11	1
PCB-208	ND		0.010	0.00081	ng/g		04/27/18 08:13	05/08/18 02:11	1
PCB-209	0.000250	J q	0.010	0.00015	ng/g		04/27/18 08:13	05/08/18 02:11	1

Isotope Dilution	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
PCB-1L	*94*		*30 - 140*	*04/27/18 08:13*	*05/08/18 02:11*	*1*
PCB-3L	*88*		*30 - 140*	*04/27/18 08:13*	*05/08/18 02:11*	*1*
PCB-4L	*89*		*30 - 140*	*04/27/18 08:13*	*05/08/18 02:11*	*1*
PCB-15L	*81*		*30 - 140*	*04/27/18 08:13*	*05/08/18 02:11*	*1*
PCB-19L	*76*		*30 - 140*	*04/27/18 08:13*	*05/08/18 02:11*	*1*
PCB-37L	*81*		*30 - 140*	*04/27/18 08:13*	*05/08/18 02:11*	*1*
PCB-54L	*91*		*30 - 140*	*04/27/18 08:13*	*05/08/18 02:11*	*1*
PCB-77L	*82*		*30 - 140*	*04/27/18 08:13*	*05/08/18 02:11*	*1*
PCB-81L	*79*		*30 - 140*	*04/27/18 08:13*	*05/08/18 02:11*	*1*
PCB-104L	*92*		*30 - 140*	*04/27/18 08:13*	*05/08/18 02:11*	*1*
PCB-105L	*85*		*30 - 140*	*04/27/18 08:13*	*05/08/18 02:11*	*1*
PCB-114L	*81*		*30 - 140*	*04/27/18 08:13*	*05/08/18 02:11*	*1*
PCB-118L	*85*		*30 - 140*	*04/27/18 08:13*	*05/08/18 02:11*	*1*
PCB-123L	*83*		*30 - 140*	*04/27/18 08:13*	*05/08/18 02:11*	*1*
PCB-126L	*87*		*30 - 140*	*04/27/18 08:13*	*05/08/18 02:11*	*1*
PCB-155L	*97*		*30 - 140*	*04/27/18 08:13*	*05/08/18 02:11*	*1*
PCB-156L	*89*	*C*	*30 - 140*	*04/27/18 08:13*	*05/08/18 02:11*	*1*
PCB-157L	*89*	*C156*	*30 - 140*	*04/27/18 08:13*	*05/08/18 02:11*	*1*
PCB-167L	*89*		*30 - 140*	*04/27/18 08:13*	*05/08/18 02:11*	*1*
PCB-169L	*89*		*30 - 140*	*04/27/18 08:13*	*05/08/18 02:11*	*1*
PCB-170L	*81*		*30 - 140*	*04/27/18 08:13*	*05/08/18 02:11*	*1*
PCB-188L	*85*		*30 - 140*	*04/27/18 08:13*	*05/08/18 02:11*	*1*
PCB-189L	*90*		*30 - 140*	*04/27/18 08:13*	*05/08/18 02:11*	*1*
PCB-202L	*93*		*30 - 140*	*04/27/18 08:13*	*05/08/18 02:11*	*1*
PCB-205L	*80*		*30 - 140*	*04/27/18 08:13*	*05/08/18 02:11*	*1*
PCB-206L	*70*		*30 - 140*	*04/27/18 08:13*	*05/08/18 02:11*	*1*
PCB-208L	*67*		*30 - 140*	*04/27/18 08:13*	*05/08/18 02:11*	*1*
PCB-209L	*62*		*30 - 140*	*04/27/18 08:13*	*05/08/18 02:11*	*1*

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

Lab Sample ID: MB 140-19882/16-B
Matrix: Solid
Analysis Batch: 20133

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 19882

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
PCB-28L	77		40 - 125	04/27/18 08:13	05/08/18 02:11	1
PCB-111L	91		40 - 125	04/27/18 08:13	05/08/18 02:11	1
PCB-178L	83		40 - 125	04/27/18 08:13	05/08/18 02:11	1

Lab Sample ID: LCS 140-19882/17-B
Matrix: Solid
Analysis Batch: 20133

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 19882

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1	0.500	0.581		ng/g		116	50 - 150
PCB-3	0.500	0.581		ng/g		116	50 - 150
PCB-4	0.500	0.522		ng/g		104	50 - 150
PCB-15	0.500	0.469		ng/g		94	50 - 150
PCB-19	0.500	0.447		ng/g		89	50 - 150
PCB-37	0.500	0.466		ng/g		93	50 - 150
PCB-54	0.500	0.500		ng/g		100	50 - 150
PCB-77	0.500	0.513		ng/g		103	50 - 150
PCB-81	0.500	0.505		ng/g		101	50 - 150
PCB-104	0.500	0.472		ng/g		94	50 - 150
PCB-105	0.500	0.480		ng/g		96	50 - 150
PCB-114	0.500	0.500		ng/g		100	50 - 150
PCB-118	0.500	0.491		ng/g		98	50 - 150
PCB-123	0.500	0.469		ng/g		94	50 - 150
PCB-126	0.500	0.491		ng/g		98	50 - 150
PCB-155	0.500	0.468		ng/g		94	50 - 150
PCB-156	1.00	1.00	C	ng/g		100	50 - 150
PCB-157	1.00	1.00	C156	ng/g		100	50 - 150
PCB-167	0.500	0.530		ng/g		106	50 - 150
PCB-169	0.500	0.500		ng/g		100	50 - 150
PCB-188	0.500	0.484		ng/g		97	50 - 150
PCB-189	0.500	0.500		ng/g		100	50 - 150
PCB-202	0.500	0.458		ng/g		92	50 - 150
PCB-205	0.500	0.485		ng/g		97	50 - 150
PCB-206	0.500	0.493	G	ng/g		99	50 - 150
PCB-208	0.500	0.486		ng/g		97	50 - 150
PCB-209	0.500	0.429		ng/g		86	50 - 150

Isotope Dilution	LCS %Recovery	LCS Qualifier	Limits
PCB-1L	87		30 - 140
PCB-3L	84		30 - 140
PCB-4L	79		30 - 140
PCB-15L	88		30 - 140
PCB-19L	74		30 - 140
PCB-37L	85		30 - 140
PCB-54L	89		30 - 140
PCB-77L	86		30 - 140
PCB-81L	84		30 - 140
PCB-104L	90		30 - 140

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

Lab Sample ID: LCS 140-19882/17-B
Matrix: Solid
Analysis Batch: 20133

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 19882

Isotope Dilution	LCS %Recovery	LCS Qualifier	Limits
PCB-105L	83		30 - 140
PCB-114L	80		30 - 140
PCB-118L	80		30 - 140
PCB-123L	81		30 - 140
PCB-126L	85		30 - 140
PCB-155L	96		30 - 140
PCB-156L	82	C	30 - 140
PCB-157L	82	C156	30 - 140
PCB-167L	80		30 - 140
PCB-169L	86		30 - 140
PCB-170L	83		30 - 140
PCB-188L	82		30 - 140
PCB-189L	94		30 - 140
PCB-202L	89		30 - 140
PCB-205L	79		30 - 140
PCB-206L	68		30 - 140
PCB-208L	70		30 - 140
PCB-209L	63		30 - 140

Surrogate	LCS %Recovery	LCS Qualifier	Limits
PCB-28L	78		40 - 125
PCB-111L	90		40 - 125
PCB-178L	84		40 - 125

Lab Sample ID: LCSD 140-19882/18-B
Matrix: Solid
Analysis Batch: 20133

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 19882

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
PCB-1			0.500	0.570		ng/g		114	50 - 150	2	50
PCB-3			0.500	0.579		ng/g		116	50 - 150	0	50
PCB-4			0.500	0.519		ng/g		104	50 - 150	1	50
PCB-15			0.500	0.486		ng/g		97	50 - 150	4	50
PCB-19			0.500	0.427		ng/g		85	50 - 150	5	50
PCB-37			0.500	0.468		ng/g		94	50 - 150	0	50
PCB-54			0.500	0.465		ng/g		93	50 - 150	7	50
PCB-77			0.500	0.500		ng/g		100	50 - 150	3	50
PCB-81			0.500	0.498		ng/g		100	50 - 150	1	50
PCB-104			0.500	0.465		ng/g		93	50 - 150	2	50
PCB-105			0.500	0.493		ng/g		99	50 - 150	3	50
PCB-114			0.500	0.503		ng/g		101	50 - 150	0	50
PCB-118			0.500	0.492		ng/g		98	50 - 150	0	50
PCB-123			0.500	0.477		ng/g		95	50 - 150	2	50
PCB-126			0.500	0.502		ng/g		100	50 - 150	2	50
PCB-155			0.500	0.447		ng/g		89	50 - 150	5	50
PCB-156			1.00	0.995	C	ng/g		99	50 - 150	1	50
PCB-157			1.00	0.995	C156	ng/g		99	50 - 150	1	50
PCB-167			0.500	0.528		ng/g		106	50 - 150	0	50

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

Lab Sample ID: LCSD 140-19882/18-B
Matrix: Solid
Analysis Batch: 20133

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 19882

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
PCB-169			0.500	0.501		ng/g		100	50 - 150	0	50
PCB-188			0.500	0.460		ng/g		92	50 - 150	5	50
PCB-189			0.500	0.514		ng/g		103	50 - 150	3	50
PCB-202			0.500	0.450		ng/g		90	50 - 150	2	50
PCB-205			0.500	0.463		ng/g		93	50 - 150	5	50
PCB-206			0.500	0.513		ng/g		103	50 - 150	4	50
PCB-208			0.500	0.477		ng/g		95	50 - 150	2	50
PCB-209			0.500	0.401		ng/g		80	50 - 150	7	50

Isotope Dilution	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
PCB-1L	*83*		*30 - 140*
PCB-3L	*83*		*30 - 140*
PCB-4L	*79*		*30 - 140*
PCB-15L	*76*		*30 - 140*
PCB-19L	*79*		*30 - 140*
PCB-37L	*81*		*30 - 140*
PCB-54L	*88*		*30 - 140*
PCB-77L	*84*		*30 - 140*
PCB-81L	*80*		*30 - 140*
PCB-104L	*91*		*30 - 140*
PCB-105L	*84*		*30 - 140*
PCB-114L	*81*		*30 - 140*
PCB-118L	*84*		*30 - 140*
PCB-123L	*84*		*30 - 140*
PCB-126L	*85*		*30 - 140*
PCB-155L	*98*		*30 - 140*
PCB-156L	*89*	*C*	*30 - 140*
PCB-157L	*89*	*C156*	*30 - 140*
PCB-167L	*85*		*30 - 140*
PCB-169L	*87*		*30 - 140*
PCB-170L	*80*		*30 - 140*
PCB-188L	*82*		*30 - 140*
PCB-189L	*89*		*30 - 140*
PCB-202L	*92*		*30 - 140*
PCB-205L	*78*		*30 - 140*
PCB-206L	*68*		*30 - 140*
PCB-208L	*65*		*30 - 140*
PCB-209L	*63*		*30 - 140*

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
PCB-28L	*77*		*40 - 125*
PCB-111L	*92*		*40 - 125*
PCB-178L	*79*		*40 - 125*

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

Lab Sample ID: 580-76755-9 MS
Matrix: Solid
Analysis Batch: 20161

Client Sample ID: PDI-SG-B180-BL1
Prep Type: Total/NA
Prep Batch: 19882

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1	0.0014	J q	0.494	0.583		ng/g	☼	118	50 - 150
PCB-3	0.0019	J q B	0.494	0.591		ng/g	☼	119	50 - 150
PCB-4	0.0065	J q	0.494	0.467		ng/g	☼	93	50 - 150
PCB-15	0.0067	J	0.494	0.460		ng/g	☼	92	50 - 150
PCB-19	0.0072	J q	0.494	0.445		ng/g	☼	89	50 - 150
PCB-37	0.0094	J	0.494	0.532		ng/g	☼	106	50 - 150
PCB-54	0.0014	J q	0.494	0.458		ng/g	☼	92	50 - 150
PCB-77	0.0059	J	0.494	0.492		ng/g	☼	98	50 - 150
PCB-81	ND		0.494	0.497		ng/g	☼	101	50 - 150
PCB-104	ND		0.494	0.487		ng/g	☼	99	50 - 150
PCB-105	0.033		0.494	0.533		ng/g	☼	101	50 - 150
PCB-114	ND	q	0.494	0.525		ng/g	☼	106	50 - 150
PCB-118	0.087	B	0.494	0.592		ng/g	☼	102	50 - 150
PCB-123	0.0012	J q	0.494	0.494		ng/g	☼	100	50 - 150
PCB-126	ND		0.494	0.522		ng/g	☼	106	50 - 150
PCB-155	ND		0.494	0.446		ng/g	☼	90	50 - 150
PCB-156	0.016	J C B	0.988	0.989	C	ng/g	☼	98	50 - 150
PCB-157	0.016	J C156 B	0.988	0.989	C156	ng/g	☼	98	50 - 150
PCB-167	0.0043	J q B	0.494	0.498		ng/g	☼	100	50 - 150
PCB-169	ND		0.494	0.491		ng/g	☼	99	50 - 150
PCB-188	ND		0.494	0.507		ng/g	☼	103	50 - 150
PCB-189	0.0018	J	0.494	0.525		ng/g	☼	106	50 - 150
PCB-202	0.0081	J	0.494	0.433		ng/g	☼	86	50 - 150
PCB-205	0.0023	J	0.494	0.492		ng/g	☼	99	50 - 150
PCB-206	0.027	q	0.494	0.505	G	ng/g	☼	97	50 - 150
PCB-208	0.0067	J	0.494	0.489		ng/g	☼	98	50 - 150
PCB-209	0.018	B	0.494	0.488		ng/g	☼	95	50 - 150

Isotope Dilution	*MS %Recovery*	*MS Qualifier*	*Limits*
PCB-1L	*76*		*30 - 140*
PCB-3L	*79*		*30 - 140*
PCB-4L	*78*		*30 - 140*
PCB-15L	*84*		*30 - 140*
PCB-19L	*75*		*30 - 140*
PCB-37L	*79*		*30 - 140*
PCB-54L	*98*		*30 - 140*
PCB-77L	*88*		*30 - 140*
PCB-81L	*86*		*30 - 140*
PCB-104L	*83*		*30 - 140*
PCB-105L	*83*		*30 - 140*
PCB-114L	*82*		*30 - 140*
PCB-118L	*85*		*30 - 140*
PCB-123L	*85*		*30 - 140*
PCB-126L	*87*		*30 - 140*
PCB-155L	*100*		*30 - 140*
PCB-156L	*90*	*C*	*30 - 140*
PCB-157L	*90*	*C156*	*30 - 140*
PCB-167L	*92*		*30 - 140*

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

Lab Sample ID: 580-76755-9 MS
Matrix: Solid
Analysis Batch: 20161

Client Sample ID: PDI-SG-B180-BL1
Prep Type: Total/NA
Prep Batch: 19882

Isotope Dilution	MS %Recovery	MS Qualifier	Limits
PCB-169L	89		30 - 140
PCB-170L	84		30 - 140
PCB-188L	84		30 - 140
PCB-189L	98		30 - 140
PCB-202L	99		30 - 140
PCB-205L	80		30 - 140
PCB-206L	69		30 - 140
PCB-208L	66		30 - 140
PCB-209L	60		30 - 140

Surrogate	MS %Recovery	MS Qualifier	Limits
PCB-28L	78		40 - 125
PCB-111L	90		40 - 125
PCB-178L	86		40 - 125

Lab Sample ID: 580-76755-9 MSD
Matrix: Solid
Analysis Batch: 20161

Client Sample ID: PDI-SG-B180-BL1
Prep Type: Total/NA
Prep Batch: 19882

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
PCB-1	0.0014	J q	0.480	0.570		ng/g	☼	119	50 - 150	2	50
PCB-3	0.0019	J q B	0.480	0.576		ng/g	☼	120	50 - 150	3	50
PCB-4	0.0065	J q	0.480	0.468		ng/g	☼	96	50 - 150	0	50
PCB-15	0.0067	J	0.480	0.454		ng/g	☼	93	50 - 150	1	50
PCB-19	0.0072	J q	0.480	0.474		ng/g	☼	97	50 - 150	6	50
PCB-37	0.0094	J	0.480	0.522		ng/g	☼	107	50 - 150	2	50
PCB-54	0.0014	J q	0.480	0.445		ng/g	☼	93	50 - 150	3	50
PCB-77	0.0059	J	0.480	0.490		ng/g	☼	101	50 - 150	0	50
PCB-81	ND		0.480	0.499		ng/g	☼	104	50 - 150	1	50
PCB-104	ND		0.480	0.468		ng/g	☼	98	50 - 150	4	50
PCB-105	0.033		0.480	0.539		ng/g	☼	106	50 - 150	1	50
PCB-114	ND	q	0.480	0.511		ng/g	☼	107	50 - 150	3	50
PCB-118	0.087	B	0.480	0.571		ng/g	☼	101	50 - 150	4	50
PCB-123	0.0012	J q	0.480	0.486		ng/g	☼	101	50 - 150	2	50
PCB-126	ND		0.480	0.496		ng/g	☼	103	50 - 150	5	50
PCB-155	ND		0.480	0.435		ng/g	☼	91	50 - 150	3	50
PCB-156	0.016	J C B	0.959	0.962	C	ng/g	☼	99	50 - 150	3	50
PCB-157	0.016	J C156 B	0.959	0.962	C156	ng/g	☼	99	50 - 150	3	50
PCB-167	0.0043	J q B	0.480	0.491		ng/g	☼	102	50 - 150	1	50
PCB-169	ND		0.480	0.466		ng/g	☼	97	50 - 150	5	50
PCB-188	ND		0.480	0.490		ng/g	☼	102	50 - 150	3	50
PCB-189	0.0018	J	0.480	0.501		ng/g	☼	104	50 - 150	5	50
PCB-202	0.0081	J	0.480	0.453		ng/g	☼	93	50 - 150	5	50
PCB-205	0.0023	J	0.480	0.491		ng/g	☼	102	50 - 150	0	50
PCB-206	0.027	q	0.480	0.511		ng/g	☼	101	50 - 150	1	50
PCB-208	0.0067	J	0.480	0.466		ng/g	☼	96	50 - 150	5	50
PCB-209	0.018	B	0.480	0.454		ng/g	☼	91	50 - 150	7	50

Isotope Dilution	MSD %Recovery	MSD Qualifier	Limits
PCB-1L	82		30 - 140
PCB-3L	77		30 - 140
PCB-4L	80		30 - 140
PCB-15L	86		30 - 140
PCB-19L	74		30 - 140
PCB-37L	86		30 - 140
PCB-54L	96		30 - 140
PCB-77L	86		30 - 140
PCB-81L	82		30 - 140
PCB-104L	91		30 - 140
PCB-105L	81		30 - 140
PCB-114L	81		30 - 140
PCB-118L	84		30 - 140
PCB-123L	83		30 - 140
PCB-126L	84		30 - 140
PCB-155L	106		30 - 140
PCB-156L	85	C	30 - 140
PCB-157L	85	C156	30 - 140
PCB-167L	83		30 - 140
PCB-169L	87		30 - 140
PCB-170L	84		30 - 140
PCB-188L	87		30 - 140
PCB-189L	105		30 - 140
PCB-202L	95		30 - 140
PCB-205L	79		30 - 140
PCB-206L	68		30 - 140
PCB-208L	74		30 - 140
PCB-209L	63		30 - 140

Surrogate	MSD %Recovery	MSD Qualifier	Limits
PCB-28L	78		40 - 125
PCB-111L	89		40 - 125
PCB-178L	87		40 - 125

Lab Sample ID: MB 140-19935/16-B
Matrix: Solid
Analysis Batch: 20207

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 19935

Analyte	MB Result	MB Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1	0.000693	J q	0.010	0.00017	ng/g		04/30/18 11:50	05/09/18 17:31	1
PCB-2	0.000534	J q	0.010	0.00019	ng/g		04/30/18 11:50	05/09/18 17:31	1
PCB-3	ND		0.010	0.00024	ng/g		04/30/18 11:50	05/09/18 17:31	1
PCB-4	ND		0.020	0.00056	ng/g		04/30/18 11:50	05/09/18 17:31	1
PCB-5	ND		0.010	0.00045	ng/g		04/30/18 11:50	05/09/18 17:31	1
PCB-6	ND		0.010	0.00045	ng/g		04/30/18 11:50	05/09/18 17:31	1
PCB-7	ND		0.010	0.00043	ng/g		04/30/18 11:50	05/09/18 17:31	1
PCB-8	0.00166	J q	0.020	0.00044	ng/g		04/30/18 11:50	05/09/18 17:31	1
PCB-9	0.00106	J	0.010	0.00050	ng/g		04/30/18 11:50	05/09/18 17:31	1
PCB-10	ND		0.010	0.00049	ng/g		04/30/18 11:50	05/09/18 17:31	1
PCB-11	0.00106	J q	0.020	0.00041	ng/g		04/30/18 11:50	05/09/18 17:31	1
PCB-12	ND	C	0.020	0.00041	ng/g		04/30/18 11:50	05/09/18 17:31	1
PCB-13	ND	C12	0.020	0.00041	ng/g		04/30/18 11:50	05/09/18 17:31	1
PCB-14	ND		0.010	0.00038	ng/g		04/30/18 11:50	05/09/18 17:31	1
PCB-15	ND		0.010	0.00052	ng/g		04/30/18 11:50	05/09/18 17:31	1

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

Lab Sample ID: MB 140-19935/16-B
Matrix: Solid
Analysis Batch: 20207

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 19935

Analyte	MB Result	MB Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-16	ND		0.010	0.00048	ng/g		04/30/18 11:50	05/09/18 17:31	1
PCB-17	ND		0.010	0.00037	ng/g		04/30/18 11:50	05/09/18 17:31	1
PCB-18	ND	C	0.020	0.00032	ng/g		04/30/18 11:50	05/09/18 17:31	1
PCB-19	ND		0.010	0.00045	ng/g		04/30/18 11:50	05/09/18 17:31	1
PCB-20	0.00135	J C q	0.020	0.00039	ng/g		04/30/18 11:50	05/09/18 17:31	1
PCB-21	0.000970	J C q	0.020	0.00037	ng/g		04/30/18 11:50	05/09/18 17:31	1
PCB-22	0.000627	J q	0.010	0.00040	ng/g		04/30/18 11:50	05/09/18 17:31	1
PCB-23	ND		0.010	0.00039	ng/g		04/30/18 11:50	05/09/18 17:31	1
PCB-24	ND		0.010	0.00028	ng/g		04/30/18 11:50	05/09/18 17:31	1
PCB-25	ND		0.010	0.00037	ng/g		04/30/18 11:50	05/09/18 17:31	1
PCB-26	ND	C	0.020	0.00039	ng/g		04/30/18 11:50	05/09/18 17:31	1
PCB-27	ND		0.010	0.00027	ng/g		04/30/18 11:50	05/09/18 17:31	1
PCB-28	0.00135	J C20 q	0.020	0.00039	ng/g		04/30/18 11:50	05/09/18 17:31	1
PCB-29	ND	C26	0.020	0.00039	ng/g		04/30/18 11:50	05/09/18 17:31	1
PCB-30	ND	C18	0.020	0.00032	ng/g		04/30/18 11:50	05/09/18 17:31	1
PCB-31	0.00130	J q	0.020	0.00036	ng/g		04/30/18 11:50	05/09/18 17:31	1
PCB-32	ND		0.010	0.00025	ng/g		04/30/18 11:50	05/09/18 17:31	1
PCB-33	0.000970	J C21 q	0.020	0.00037	ng/g		04/30/18 11:50	05/09/18 17:31	1
PCB-34	ND		0.010	0.00041	ng/g		04/30/18 11:50	05/09/18 17:31	1
PCB-35	ND		0.010	0.00039	ng/g		04/30/18 11:50	05/09/18 17:31	1
PCB-36	ND		0.010	0.00035	ng/g		04/30/18 11:50	05/09/18 17:31	1
PCB-37	0.000703	J q	0.010	0.00036	ng/g		04/30/18 11:50	05/09/18 17:31	1
PCB-38	ND		0.010	0.00038	ng/g		04/30/18 11:50	05/09/18 17:31	1
PCB-39	ND		0.010	0.00035	ng/g		04/30/18 11:50	05/09/18 17:31	1
PCB-40	ND	C	0.030	0.00040	ng/g		04/30/18 11:50	05/09/18 17:31	1
PCB-41	ND	C40	0.030	0.00040	ng/g		04/30/18 11:50	05/09/18 17:31	1
PCB-42	ND		0.010	0.00041	ng/g		04/30/18 11:50	05/09/18 17:31	1
PCB-43	ND	C	0.020	0.00036	ng/g		04/30/18 11:50	05/09/18 17:31	1
PCB-44	0.00313	J C	0.030	0.00036	ng/g		04/30/18 11:50	05/09/18 17:31	1
PCB-45	ND	C	0.020	0.00042	ng/g		04/30/18 11:50	05/09/18 17:31	1
PCB-46	ND		0.010	0.00049	ng/g		04/30/18 11:50	05/09/18 17:31	1
PCB-47	0.00313	J C44	0.030	0.00036	ng/g		04/30/18 11:50	05/09/18 17:31	1
PCB-48	ND		0.010	0.00038	ng/g		04/30/18 11:50	05/09/18 17:31	1
PCB-49	0.000605	J C q	0.020	0.00032	ng/g		04/30/18 11:50	05/09/18 17:31	1
PCB-50	ND	C	0.020	0.00040	ng/g		04/30/18 11:50	05/09/18 17:31	1
PCB-51	ND	C45	0.020	0.00042	ng/g		04/30/18 11:50	05/09/18 17:31	1
PCB-52	0.00228	J	0.010	0.00042	ng/g		04/30/18 11:50	05/09/18 17:31	1
PCB-53	ND	C50	0.020	0.00040	ng/g		04/30/18 11:50	05/09/18 17:31	1
PCB-54	ND		0.010	0.00015	ng/g		04/30/18 11:50	05/09/18 17:31	1
PCB-55	ND		0.010	0.00027	ng/g		04/30/18 11:50	05/09/18 17:31	1
PCB-56	0.000422	J q	0.010	0.00028	ng/g		04/30/18 11:50	05/09/18 17:31	1
PCB-57	ND		0.010	0.00028	ng/g		04/30/18 11:50	05/09/18 17:31	1
PCB-58	ND		0.010	0.00027	ng/g		04/30/18 11:50	05/09/18 17:31	1
PCB-59	ND	C	0.030	0.00027	ng/g		04/30/18 11:50	05/09/18 17:31	1
PCB-60	ND		0.010	0.00027	ng/g		04/30/18 11:50	05/09/18 17:31	1
PCB-61	0.00119	J C q	0.040	0.00026	ng/g		04/30/18 11:50	05/09/18 17:31	1
PCB-62	ND	C59	0.030	0.00027	ng/g		04/30/18 11:50	05/09/18 17:31	1
PCB-63	ND		0.010	0.00024	ng/g		04/30/18 11:50	05/09/18 17:31	1

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

Lab Sample ID: MB 140-19935/16-B
Matrix: Solid
Analysis Batch: 20207

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 19935

Analyte	MB Result	MB Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-64	ND		0.010	0.00026	ng/g		04/30/18 11:50	05/09/18 17:31	1
PCB-65	0.00313	J C44	0.030	0.00036	ng/g		04/30/18 11:50	05/09/18 17:31	1
PCB-66	ND		0.010	0.00027	ng/g		04/30/18 11:50	05/09/18 17:31	1
PCB-67	ND		0.010	0.00026	ng/g		04/30/18 11:50	05/09/18 17:31	1
PCB-68	ND		0.010	0.00024	ng/g		04/30/18 11:50	05/09/18 17:31	1
PCB-69	0.000605	J C49 q	0.020	0.00032	ng/g		04/30/18 11:50	05/09/18 17:31	1
PCB-70	0.00119	J C61 q	0.040	0.00026	ng/g		04/30/18 11:50	05/09/18 17:31	1
PCB-71	ND	C40	0.030	0.00040	ng/g		04/30/18 11:50	05/09/18 17:31	1
PCB-72	ND		0.010	0.00027	ng/g		04/30/18 11:50	05/09/18 17:31	1
PCB-73	ND	C43	0.020	0.00036	ng/g		04/30/18 11:50	05/09/18 17:31	1
PCB-74	0.00119	J C61 q	0.040	0.00026	ng/g		04/30/18 11:50	05/09/18 17:31	1
PCB-75	ND	C59	0.030	0.00027	ng/g		04/30/18 11:50	05/09/18 17:31	1
PCB-76	0.00119	J C61 q	0.040	0.00026	ng/g		04/30/18 11:50	05/09/18 17:31	1
PCB-77	ND		0.010	0.00026	ng/g		04/30/18 11:50	05/09/18 17:31	1
PCB-78	ND		0.010	0.00027	ng/g		04/30/18 11:50	05/09/18 17:31	1
PCB-79	ND		0.010	0.00023	ng/g		04/30/18 11:50	05/09/18 17:31	1
PCB-80	ND		0.010	0.00024	ng/g		04/30/18 11:50	05/09/18 17:31	1
PCB-81	ND		0.010	0.00025	ng/g		04/30/18 11:50	05/09/18 17:31	1
PCB-82	ND		0.010	0.00037	ng/g		04/30/18 11:50	05/09/18 17:31	1
PCB-83	ND	C	0.020	0.00035	ng/g		04/30/18 11:50	05/09/18 17:31	1
PCB-84	ND		0.010	0.00039	ng/g		04/30/18 11:50	05/09/18 17:31	1
PCB-85	ND	C	0.030	0.00027	ng/g		04/30/18 11:50	05/09/18 17:31	1
PCB-86	0.00164	J C q	0.060	0.00028	ng/g		04/30/18 11:50	05/09/18 17:31	1
PCB-87	0.00164	J C86 q	0.060	0.00028	ng/g		04/30/18 11:50	05/09/18 17:31	1
PCB-88	ND	C	0.020	0.00034	ng/g		04/30/18 11:50	05/09/18 17:31	1
PCB-89	ND		0.010	0.00036	ng/g		04/30/18 11:50	05/09/18 17:31	1
PCB-90	ND	C	0.030	0.00029	ng/g		04/30/18 11:50	05/09/18 17:31	1
PCB-91	ND	C88	0.020	0.00034	ng/g		04/30/18 11:50	05/09/18 17:31	1
PCB-92	ND		0.010	0.00035	ng/g		04/30/18 11:50	05/09/18 17:31	1
PCB-93	ND	C	0.020	0.00034	ng/g		04/30/18 11:50	05/09/18 17:31	1
PCB-94	ND		0.010	0.00036	ng/g		04/30/18 11:50	05/09/18 17:31	1
PCB-95	0.00136	J q	0.010	0.00035	ng/g		04/30/18 11:50	05/09/18 17:31	1
PCB-96	ND		0.010	0.00027	ng/g		04/30/18 11:50	05/09/18 17:31	1
PCB-97	0.00164	J C86 q	0.060	0.00028	ng/g		04/30/18 11:50	05/09/18 17:31	1
PCB-98	ND	C	0.020	0.00034	ng/g		04/30/18 11:50	05/09/18 17:31	1
PCB-99	ND	C83	0.020	0.00035	ng/g		04/30/18 11:50	05/09/18 17:31	1
PCB-100	ND	C93	0.020	0.00034	ng/g		04/30/18 11:50	05/09/18 17:31	1
PCB-101	ND	C90	0.030	0.00029	ng/g		04/30/18 11:50	05/09/18 17:31	1
PCB-102	ND	C98	0.020	0.00034	ng/g		04/30/18 11:50	05/09/18 17:31	1
PCB-103	ND		0.010	0.00031	ng/g		04/30/18 11:50	05/09/18 17:31	1
PCB-104	ND		0.010	0.00024	ng/g		04/30/18 11:50	05/09/18 17:31	1
PCB-105	ND		0.010	0.00047	ng/g		04/30/18 11:50	05/09/18 17:31	1
PCB-106	ND		0.010	0.00048	ng/g		04/30/18 11:50	05/09/18 17:31	1
PCB-107	ND		0.010	0.00047	ng/g		04/30/18 11:50	05/09/18 17:31	1
PCB-108	ND	C	0.020	0.00049	ng/g		04/30/18 11:50	05/09/18 17:31	1
PCB-109	0.00164	J C86 q	0.060	0.00028	ng/g		04/30/18 11:50	05/09/18 17:31	1
PCB-110	0.00225	J C	0.020	0.00023	ng/g		04/30/18 11:50	05/09/18 17:31	1
PCB-111	ND		0.010	0.00022	ng/g		04/30/18 11:50	05/09/18 17:31	1

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

Lab Sample ID: MB 140-19935/16-B
Matrix: Solid
Analysis Batch: 20207

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 19935

Analyte	MB Result	MB Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-112	ND		0.010	0.00024	ng/g		04/30/18 11:50	05/09/18 17:31	1
PCB-113	ND	C90	0.030	0.00029	ng/g		04/30/18 11:50	05/09/18 17:31	1
PCB-114	ND		0.010	0.00041	ng/g		04/30/18 11:50	05/09/18 17:31	1
PCB-115	0.00225	J C110	0.020	0.00023	ng/g		04/30/18 11:50	05/09/18 17:31	1
PCB-116	ND	C85	0.030	0.00027	ng/g		04/30/18 11:50	05/09/18 17:31	1
PCB-117	ND	C85	0.030	0.00027	ng/g		04/30/18 11:50	05/09/18 17:31	1
PCB-118	ND		0.010	0.00044	ng/g		04/30/18 11:50	05/09/18 17:31	1
PCB-119	0.00164	J C86 q	0.060	0.00028	ng/g		04/30/18 11:50	05/09/18 17:31	1
PCB-120	0.000357	J q	0.010	0.00022	ng/g		04/30/18 11:50	05/09/18 17:31	1
PCB-121	ND		0.010	0.00023	ng/g		04/30/18 11:50	05/09/18 17:31	1
PCB-122	ND		0.010	0.00053	ng/g		04/30/18 11:50	05/09/18 17:31	1
PCB-123	ND		0.010	0.00043	ng/g		04/30/18 11:50	05/09/18 17:31	1
PCB-124	ND	C108	0.020	0.00049	ng/g		04/30/18 11:50	05/09/18 17:31	1
PCB-125	0.00164	J C86 q	0.060	0.00028	ng/g		04/30/18 11:50	05/09/18 17:31	1
PCB-126	ND		0.010	0.00050	ng/g		04/30/18 11:50	05/09/18 17:31	1
PCB-127	ND		0.010	0.00046	ng/g		04/30/18 11:50	05/09/18 17:31	1
PCB-128	ND	C	0.020	0.000061	ng/g		04/30/18 11:50	05/09/18 17:31	1
PCB-129	0.000286	J C q	0.040	0.000062	ng/g		04/30/18 11:50	05/09/18 17:31	1
PCB-130	ND		0.010	0.000084	ng/g		04/30/18 11:50	05/09/18 17:31	1
PCB-131	ND		0.010	0.000084	ng/g		04/30/18 11:50	05/09/18 17:31	1
PCB-132	ND		0.010	0.000081	ng/g		04/30/18 11:50	05/09/18 17:31	1
PCB-133	ND		0.010	0.000079	ng/g		04/30/18 11:50	05/09/18 17:31	1
PCB-134	ND	C	0.020	0.000082	ng/g		04/30/18 11:50	05/09/18 17:31	1
PCB-135	ND	C	0.020	0.00019	ng/g		04/30/18 11:50	05/09/18 17:31	1
PCB-136	ND		0.010	0.00014	ng/g		04/30/18 11:50	05/09/18 17:31	1
PCB-137	ND		0.010	0.000068	ng/g		04/30/18 11:50	05/09/18 17:31	1
PCB-138	0.000286	J C129 q	0.040	0.000062	ng/g		04/30/18 11:50	05/09/18 17:31	1
PCB-139	ND	C	0.020	0.000070	ng/g		04/30/18 11:50	05/09/18 17:31	1
PCB-140	ND	C139	0.020	0.000070	ng/g		04/30/18 11:50	05/09/18 17:31	1
PCB-141	ND		0.010	0.000073	ng/g		04/30/18 11:50	05/09/18 17:31	1
PCB-142	ND		0.010	0.000079	ng/g		04/30/18 11:50	05/09/18 17:31	1
PCB-143	ND	C134	0.020	0.000082	ng/g		04/30/18 11:50	05/09/18 17:31	1
PCB-144	ND		0.010	0.00018	ng/g		04/30/18 11:50	05/09/18 17:31	1
PCB-145	ND		0.010	0.00014	ng/g		04/30/18 11:50	05/09/18 17:31	1
PCB-146	0.000117	J q	0.010	0.000066	ng/g		04/30/18 11:50	05/09/18 17:31	1
PCB-147	0.00128	J C q	0.020	0.000070	ng/g		04/30/18 11:50	05/09/18 17:31	1
PCB-148	ND		0.010	0.00018	ng/g		04/30/18 11:50	05/09/18 17:31	1
PCB-149	0.00128	J C147 q	0.020	0.000070	ng/g		04/30/18 11:50	05/09/18 17:31	1
PCB-150	ND		0.010	0.00012	ng/g		04/30/18 11:50	05/09/18 17:31	1
PCB-151	ND	C135	0.020	0.00019	ng/g		04/30/18 11:50	05/09/18 17:31	1
PCB-152	ND		0.010	0.00013	ng/g		04/30/18 11:50	05/09/18 17:31	1
PCB-153	0.000731	J C q	0.020	0.000055	ng/g		04/30/18 11:50	05/09/18 17:31	1
PCB-154	ND		0.010	0.00016	ng/g		04/30/18 11:50	05/09/18 17:31	1
PCB-155	ND		0.010	0.00013	ng/g		04/30/18 11:50	05/09/18 17:31	1
PCB-156	ND	C	0.020	0.000062	ng/g		04/30/18 11:50	05/09/18 17:31	1
PCB-157	ND	C156	0.020	0.000062	ng/g		04/30/18 11:50	05/09/18 17:31	1
PCB-158	ND		0.010	0.000048	ng/g		04/30/18 11:50	05/09/18 17:31	1
PCB-159	ND		0.010	0.000050	ng/g		04/30/18 11:50	05/09/18 17:31	1

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

Lab Sample ID: MB 140-19935/16-B
Matrix: Solid
Analysis Batch: 20207

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 19935

Analyte	MB Result	MB Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-160	0.000286	J C129 q	0.040	0.000062	ng/g		04/30/18 11:50	05/09/18 17:31	1
PCB-161	ND		0.010	0.000052	ng/g		04/30/18 11:50	05/09/18 17:31	1
PCB-162	ND		0.010	0.000049	ng/g		04/30/18 11:50	05/09/18 17:31	1
PCB-163	0.000286	J C129 q	0.040	0.000062	ng/g		04/30/18 11:50	05/09/18 17:31	1
PCB-164	ND		0.010	0.000053	ng/g		04/30/18 11:50	05/09/18 17:31	1
PCB-165	ND		0.010	0.000059	ng/g		04/30/18 11:50	05/09/18 17:31	1
PCB-166	ND	C128	0.020	0.000061	ng/g		04/30/18 11:50	05/09/18 17:31	1
PCB-167	ND		0.010	0.000036	ng/g		04/30/18 11:50	05/09/18 17:31	1
PCB-168	0.000731	J C153 q	0.020	0.000055	ng/g		04/30/18 11:50	05/09/18 17:31	1
PCB-169	ND		0.010	0.000042	ng/g		04/30/18 11:50	05/09/18 17:31	1
PCB-170	ND		0.010	0.00011	ng/g		04/30/18 11:50	05/09/18 17:31	1
PCB-171	ND	C	0.020	0.00011	ng/g		04/30/18 11:50	05/09/18 17:31	1
PCB-172	ND		0.010	0.00011	ng/g		04/30/18 11:50	05/09/18 17:31	1
PCB-173	ND	C171	0.020	0.00011	ng/g		04/30/18 11:50	05/09/18 17:31	1
PCB-174	ND		0.010	0.00011	ng/g		04/30/18 11:50	05/09/18 17:31	1
PCB-175	ND		0.010	0.00010	ng/g		04/30/18 11:50	05/09/18 17:31	1
PCB-176	ND		0.010	0.000072	ng/g		04/30/18 11:50	05/09/18 17:31	1
PCB-177	ND		0.010	0.00012	ng/g		04/30/18 11:50	05/09/18 17:31	1
PCB-178	ND		0.010	0.00011	ng/g		04/30/18 11:50	05/09/18 17:31	1
PCB-179	ND		0.010	0.000080	ng/g		04/30/18 11:50	05/09/18 17:31	1
PCB-180	ND	C	0.020	0.000085	ng/g		04/30/18 11:50	05/09/18 17:31	1
PCB-181	ND		0.010	0.000099	ng/g		04/30/18 11:50	05/09/18 17:31	1
PCB-182	ND		0.010	0.000094	ng/g		04/30/18 11:50	05/09/18 17:31	1
PCB-183	ND	C	0.020	0.000095	ng/g		04/30/18 11:50	05/09/18 17:31	1
PCB-184	ND		0.010	0.000080	ng/g		04/30/18 11:50	05/09/18 17:31	1
PCB-185	ND	C183	0.020	0.000095	ng/g		04/30/18 11:50	05/09/18 17:31	1
PCB-186	ND		0.010	0.000077	ng/g		04/30/18 11:50	05/09/18 17:31	1
PCB-187	ND		0.010	0.000097	ng/g		04/30/18 11:50	05/09/18 17:31	1
PCB-188	ND		0.010	0.000071	ng/g		04/30/18 11:50	05/09/18 17:31	1
PCB-189	ND		0.010	0.00013	ng/g		04/30/18 11:50	05/09/18 17:31	1
PCB-190	ND		0.010	0.000074	ng/g		04/30/18 11:50	05/09/18 17:31	1
PCB-191	ND		0.010	0.000074	ng/g		04/30/18 11:50	05/09/18 17:31	1
PCB-192	ND		0.010	0.000079	ng/g		04/30/18 11:50	05/09/18 17:31	1
PCB-193	ND	C180	0.020	0.000085	ng/g		04/30/18 11:50	05/09/18 17:31	1
PCB-194	ND		0.010	0.000097	ng/g		04/30/18 11:50	05/09/18 17:31	1
PCB-195	ND		0.010	0.00011	ng/g		04/30/18 11:50	05/09/18 17:31	1
PCB-196	ND		0.010	0.00021	ng/g		04/30/18 11:50	05/09/18 17:31	1
PCB-197	ND		0.010	0.00015	ng/g		04/30/18 11:50	05/09/18 17:31	1
PCB-198	0.000251	J C q	0.020	0.00022	ng/g		04/30/18 11:50	05/09/18 17:31	1
PCB-199	0.000251	J C198 q	0.020	0.00022	ng/g		04/30/18 11:50	05/09/18 17:31	1
PCB-200	ND		0.010	0.00016	ng/g		04/30/18 11:50	05/09/18 17:31	1
PCB-201	ND		0.010	0.00016	ng/g		04/30/18 11:50	05/09/18 17:31	1
PCB-202	ND		0.010	0.00017	ng/g		04/30/18 11:50	05/09/18 17:31	1
PCB-203	ND		0.010	0.00020	ng/g		04/30/18 11:50	05/09/18 17:31	1
PCB-204	ND		0.010	0.00016	ng/g		04/30/18 11:50	05/09/18 17:31	1
PCB-205	ND		0.010	0.000073	ng/g		04/30/18 11:50	05/09/18 17:31	1
PCB-206	ND		0.010	0.0015	ng/g		04/30/18 11:50	05/09/18 17:31	1
PCB-207	ND		0.010	0.00097	ng/g		04/30/18 11:50	05/09/18 17:31	1

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

Lab Sample ID: MB 140-19935/16-B
Matrix: Solid
Analysis Batch: 20207

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 19935

Analyte	MB Result	MB Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-208	ND		0.010	0.0010	ng/g		04/30/18 11:50	05/09/18 17:31	1
PCB-209	ND		0.010	0.000091	ng/g		04/30/18 11:50	05/09/18 17:31	1

Isotope Dilution	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
PCB-1L	*86*		*30 - 140*	*04/30/18 11:50*	*05/09/18 17:31*	*1*
PCB-3L	*81*		*30 - 140*	*04/30/18 11:50*	*05/09/18 17:31*	*1*
PCB-4L	*81*		*30 - 140*	*04/30/18 11:50*	*05/09/18 17:31*	*1*
PCB-15L	*71*		*30 - 140*	*04/30/18 11:50*	*05/09/18 17:31*	*1*
PCB-19L	*75*		*30 - 140*	*04/30/18 11:50*	*05/09/18 17:31*	*1*
PCB-37L	*71*		*30 - 140*	*04/30/18 11:50*	*05/09/18 17:31*	*1*
PCB-54L	*100*		*30 - 140*	*04/30/18 11:50*	*05/09/18 17:31*	*1*
PCB-77L	*79*		*30 - 140*	*04/30/18 11:50*	*05/09/18 17:31*	*1*
PCB-81L	*78*		*30 - 140*	*04/30/18 11:50*	*05/09/18 17:31*	*1*
PCB-104L	*82*		*30 - 140*	*04/30/18 11:50*	*05/09/18 17:31*	*1*
PCB-105L	*79*		*30 - 140*	*04/30/18 11:50*	*05/09/18 17:31*	*1*
PCB-114L	*79*		*30 - 140*	*04/30/18 11:50*	*05/09/18 17:31*	*1*
PCB-118L	*83*		*30 - 140*	*04/30/18 11:50*	*05/09/18 17:31*	*1*
PCB-123L	*82*		*30 - 140*	*04/30/18 11:50*	*05/09/18 17:31*	*1*
PCB-126L	*81*		*30 - 140*	*04/30/18 11:50*	*05/09/18 17:31*	*1*
PCB-155L	*93*		*30 - 140*	*04/30/18 11:50*	*05/09/18 17:31*	*1*
PCB-156L	*85*	*C*	*30 - 140*	*04/30/18 11:50*	*05/09/18 17:31*	*1*
PCB-157L	*85*	*C156*	*30 - 140*	*04/30/18 11:50*	*05/09/18 17:31*	*1*
PCB-167L	*83*		*30 - 140*	*04/30/18 11:50*	*05/09/18 17:31*	*1*
PCB-169L	*82*		*30 - 140*	*04/30/18 11:50*	*05/09/18 17:31*	*1*
PCB-170L	*79*		*30 - 140*	*04/30/18 11:50*	*05/09/18 17:31*	*1*
PCB-188L	*82*		*30 - 140*	*04/30/18 11:50*	*05/09/18 17:31*	*1*
PCB-189L	*90*		*30 - 140*	*04/30/18 11:50*	*05/09/18 17:31*	*1*
PCB-202L	*96*		*30 - 140*	*04/30/18 11:50*	*05/09/18 17:31*	*1*
PCB-205L	*77*		*30 - 140*	*04/30/18 11:50*	*05/09/18 17:31*	*1*
PCB-206L	*66*		*30 - 140*	*04/30/18 11:50*	*05/09/18 17:31*	*1*
PCB-208L	*66*		*30 - 140*	*04/30/18 11:50*	*05/09/18 17:31*	*1*
PCB-209L	*59*		*30 - 140*	*04/30/18 11:50*	*05/09/18 17:31*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
PCB-28L	*75*		*40 - 125*	*04/30/18 11:50*	*05/09/18 17:31*	*1*
PCB-111L	*84*		*40 - 125*	*04/30/18 11:50*	*05/09/18 17:31*	*1*
PCB-178L	*81*		*40 - 125*	*04/30/18 11:50*	*05/09/18 17:31*	*1*

Lab Sample ID: LCS 140-19935/17-B
Matrix: Solid
Analysis Batch: 20207

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 19935

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1	0.500	0.546		ng/g		109	50 - 150
PCB-3	0.500	0.573		ng/g		115	50 - 150
PCB-4	0.500	0.460		ng/g		92	50 - 150
PCB-15	0.500	0.500		ng/g		100	50 - 150
PCB-19	0.500	0.473		ng/g		95	50 - 150

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

Lab Sample ID: LCS 140-19935/17-B
Matrix: Solid
Analysis Batch: 20207

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 19935

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
PCB-37			0.500	0.530		ng/g		106	50 - 150		
PCB-54			0.500	0.446		ng/g		89	50 - 150		
PCB-77			0.500	0.503		ng/g		101	50 - 150		
PCB-81			0.500	0.483		ng/g		97	50 - 150		
PCB-104			0.500	0.500		ng/g		100	50 - 150		
PCB-105			0.500	0.499		ng/g		100	50 - 150		
PCB-114			0.500	0.516		ng/g		103	50 - 150		
PCB-118			0.500	0.524		ng/g		105	50 - 150		
PCB-123			0.500	0.508		ng/g		102	50 - 150		
PCB-126			0.500	0.524		ng/g		105	50 - 150		
PCB-155			0.500	0.455		ng/g		91	50 - 150		
PCB-156			1.00	0.990	C	ng/g		99	50 - 150		
PCB-157			1.00	0.990	C156	ng/g		99	50 - 150		
PCB-167			0.500	0.497		ng/g		99	50 - 150		
PCB-169			0.500	0.484		ng/g		97	50 - 150		
PCB-188			0.500	0.496		ng/g		99	50 - 150		
PCB-189			0.500	0.521		ng/g		104	50 - 150		
PCB-202			0.500	0.415		ng/g		83	50 - 150		
PCB-205			0.500	0.485		ng/g		97	50 - 150		
PCB-206			0.500	0.467		ng/g		93	50 - 150		
PCB-208			0.500	0.458		ng/g		92	50 - 150		
PCB-209			0.500	0.498		ng/g		100	50 - 150		

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
PCB-1L	*95*		*30 - 140*
PCB-3L	*82*		*30 - 140*
PCB-4L	*83*		*30 - 140*
PCB-15L	*75*		*30 - 140*
PCB-19L	*82*		*30 - 140*
PCB-37L	*86*		*30 - 140*
PCB-54L	*107*		*30 - 140*
PCB-77L	*83*		*30 - 140*
PCB-81L	*80*		*30 - 140*
PCB-104L	*92*		*30 - 140*
PCB-105L	*89*		*30 - 140*
PCB-114L	*88*		*30 - 140*
PCB-118L	*90*		*30 - 140*
PCB-123L	*89*		*30 - 140*
PCB-126L	*86*		*30 - 140*
PCB-155L	*101*		*30 - 140*
PCB-156L	*85*	*C*	*30 - 140*
PCB-157L	*85*	*C156*	*30 - 140*
PCB-167L	*85*		*30 - 140*
PCB-169L	*89*		*30 - 140*
PCB-170L	*83*		*30 - 140*
PCB-188L	*87*		*30 - 140*
PCB-189L	*101*		*30 - 140*
PCB-202L	*95*		*30 - 140*

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

Lab Sample ID: LCS 140-19935/17-B
Matrix: Solid
Analysis Batch: 20207

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 19935

Isotope Dilution	LCS %Recovery	LCS Qualifier	Limits
PCB-205L	83		30 - 140
PCB-206L	73		30 - 140
PCB-208L	76		30 - 140
PCB-209L	68		30 - 140

Surrogate	LCS %Recovery	LCS Qualifier	Limits
PCB-28L	85		40 - 125
PCB-111L	90		40 - 125
PCB-178L	86		40 - 125

Lab Sample ID: LCSD 140-19935/18-B
Matrix: Solid
Analysis Batch: 20238

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 19935

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
PCB-1			0.500	0.544		ng/g		109	50 - 150	0	50
PCB-3			0.500	0.558		ng/g		112	50 - 150	3	50
PCB-4			0.500	0.465		ng/g		93	50 - 150	1	50
PCB-15			0.500	0.447		ng/g		89	50 - 150	11	50
PCB-19			0.500	0.477		ng/g		95	50 - 150	1	50
PCB-37			0.500	0.515		ng/g		103	50 - 150	3	50
PCB-54			0.500	0.454		ng/g		91	50 - 150	2	50
PCB-77			0.500	0.490		ng/g		98	50 - 150	3	50
PCB-81			0.500	0.488		ng/g		98	50 - 150	1	50
PCB-104			0.500	0.483		ng/g		97	50 - 150	3	50
PCB-105			0.500	0.488		ng/g		98	50 - 150	2	50
PCB-114			0.500	0.513		ng/g		103	50 - 150	1	50
PCB-118			0.500	0.527		ng/g		105	50 - 150	1	50
PCB-123			0.500	0.489		ng/g		98	50 - 150	4	50
PCB-126			0.500	0.512		ng/g		102	50 - 150	2	50
PCB-155			0.500	0.461		ng/g		92	50 - 150	1	50
PCB-156			1.00	0.952	C	ng/g		95	50 - 150	4	50
PCB-157			1.00	0.952	C156	ng/g		95	50 - 150	4	50
PCB-167			0.500	0.488		ng/g		98	50 - 150	2	50
PCB-169			0.500	0.463		ng/g		93	50 - 150	5	50
PCB-188			0.500	0.510		ng/g		102	50 - 150	3	50
PCB-189			0.500	0.505		ng/g		101	50 - 150	3	50
PCB-202			0.500	0.445		ng/g		89	50 - 150	7	50
PCB-205			0.500	0.482		ng/g		96	50 - 150	1	50
PCB-206			0.500	0.477		ng/g		95	50 - 150	2	50
PCB-208			0.500	0.467		ng/g		93	50 - 150	2	50
PCB-209			0.500	0.503		ng/g		101	50 - 150	1	50

Isotope Dilution	LCSD %Recovery	LCSD Qualifier	Limits
PCB-1L	76		30 - 140
PCB-3L	71		30 - 140
PCB-4L	70		30 - 140
PCB-15L	69		30 - 140

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

Lab Sample ID: LCSD 140-19935/18-B
Matrix: Solid
Analysis Batch: 20238

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 19935

Isotope Dilution	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
PCB-19L	*69*		*30 - 140*
PCB-37L	*74*		*30 - 140*
PCB-54L	*89*		*30 - 140*
PCB-77L	*83*		*30 - 140*
PCB-81L	*82*		*30 - 140*
PCB-104L	*79*		*30 - 140*
PCB-105L	*80*		*30 - 140*
PCB-114L	*78*		*30 - 140*
PCB-118L	*80*		*30 - 140*
PCB-123L	*80*		*30 - 140*
PCB-126L	*85*		*30 - 140*
PCB-155L	*95*		*30 - 140*
PCB-156L	*84*	*C*	*30 - 140*
PCB-157L	*84*	*C156*	*30 - 140*
PCB-167L	*83*		*30 - 140*
PCB-169L	*83*		*30 - 140*
PCB-170L	*77*		*30 - 140*
PCB-188L	*77*		*30 - 140*
PCB-189L	*94*		*30 - 140*
PCB-202L	*92*		*30 - 140*
PCB-205L	*81*		*30 - 140*
PCB-206L	*68*		*30 - 140*
PCB-208L	*69*		*30 - 140*
PCB-209L	*60*		*30 - 140*

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
PCB-28L	*73*		*40 - 125*
PCB-111L	*83*		*40 - 125*
PCB-178L	*82*		*40 - 125*

Lab Sample ID: MB 140-19941/16-B
Matrix: Solid
Analysis Batch: 20235

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 19941

Analyte	MB Result	MB Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1	0.000428	J q	0.010	0.000080	ng/g		04/30/18 09:30	05/10/18 14:14	1
PCB-2	ND		0.010	0.000095	ng/g		04/30/18 09:30	05/10/18 14:14	1
PCB-3	0.000595	J q	0.010	0.00011	ng/g		04/30/18 09:30	05/10/18 14:14	1
PCB-4	ND		0.020	0.0040	ng/g		04/30/18 09:30	05/10/18 14:14	1
PCB-5	ND		0.010	0.0036	ng/g		04/30/18 09:30	05/10/18 14:14	1
PCB-6	ND		0.010	0.0031	ng/g		04/30/18 09:30	05/10/18 14:14	1
PCB-7	ND		0.010	0.0032	ng/g		04/30/18 09:30	05/10/18 14:14	1
PCB-8	ND		0.020	0.0029	ng/g		04/30/18 09:30	05/10/18 14:14	1
PCB-9	ND		0.010	0.0033	ng/g		04/30/18 09:30	05/10/18 14:14	1
PCB-10	ND		0.010	0.0035	ng/g		04/30/18 09:30	05/10/18 14:14	1
PCB-11	ND		0.020	0.0031	ng/g		04/30/18 09:30	05/10/18 14:14	1
PCB-12	ND	C	0.020	0.0032	ng/g		04/30/18 09:30	05/10/18 14:14	1
PCB-13	ND	C12	0.020	0.0032	ng/g		04/30/18 09:30	05/10/18 14:14	1

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

Lab Sample ID: MB 140-19941/16-B
Matrix: Solid
Analysis Batch: 20235

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 19941

Analyte	MB Result	MB Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-14	ND		0.010	0.0027	ng/g		04/30/18 09:30	05/10/18 14:14	1
PCB-15	ND		0.010	0.0037	ng/g		04/30/18 09:30	05/10/18 14:14	1
PCB-16	ND		0.010	0.00046	ng/g		04/30/18 09:30	05/10/18 14:14	1
PCB-17	ND		0.010	0.00041	ng/g		04/30/18 09:30	05/10/18 14:14	1
PCB-18	ND	C	0.020	0.00036	ng/g		04/30/18 09:30	05/10/18 14:14	1
PCB-19	ND		0.010	0.00050	ng/g		04/30/18 09:30	05/10/18 14:14	1
PCB-20	ND	C	0.020	0.00038	ng/g		04/30/18 09:30	05/10/18 14:14	1
PCB-21	ND	C	0.020	0.00037	ng/g		04/30/18 09:30	05/10/18 14:14	1
PCB-22	ND		0.010	0.00039	ng/g		04/30/18 09:30	05/10/18 14:14	1
PCB-23	ND		0.010	0.00038	ng/g		04/30/18 09:30	05/10/18 14:14	1
PCB-24	ND		0.010	0.00035	ng/g		04/30/18 09:30	05/10/18 14:14	1
PCB-25	ND		0.010	0.00035	ng/g		04/30/18 09:30	05/10/18 14:14	1
PCB-26	ND	C	0.020	0.00037	ng/g		04/30/18 09:30	05/10/18 14:14	1
PCB-27	ND		0.010	0.00030	ng/g		04/30/18 09:30	05/10/18 14:14	1
PCB-28	ND	C20	0.020	0.00038	ng/g		04/30/18 09:30	05/10/18 14:14	1
PCB-29	ND	C26	0.020	0.00037	ng/g		04/30/18 09:30	05/10/18 14:14	1
PCB-30	ND	C18	0.020	0.00036	ng/g		04/30/18 09:30	05/10/18 14:14	1
PCB-31	ND		0.020	0.00037	ng/g		04/30/18 09:30	05/10/18 14:14	1
PCB-32	ND		0.010	0.00029	ng/g		04/30/18 09:30	05/10/18 14:14	1
PCB-33	ND	C21	0.020	0.00037	ng/g		04/30/18 09:30	05/10/18 14:14	1
PCB-34	ND		0.010	0.00040	ng/g		04/30/18 09:30	05/10/18 14:14	1
PCB-35	ND		0.010	0.00039	ng/g		04/30/18 09:30	05/10/18 14:14	1
PCB-36	ND		0.010	0.00037	ng/g		04/30/18 09:30	05/10/18 14:14	1
PCB-37	ND		0.010	0.00038	ng/g		04/30/18 09:30	05/10/18 14:14	1
PCB-38	ND		0.010	0.00040	ng/g		04/30/18 09:30	05/10/18 14:14	1
PCB-39	ND		0.010	0.00036	ng/g		04/30/18 09:30	05/10/18 14:14	1
PCB-40	ND	C	0.030	0.00022	ng/g		04/30/18 09:30	05/10/18 14:14	1
PCB-41	ND	C40	0.030	0.00022	ng/g		04/30/18 09:30	05/10/18 14:14	1
PCB-42	ND		0.010	0.00022	ng/g		04/30/18 09:30	05/10/18 14:14	1
PCB-43	ND	C	0.020	0.00021	ng/g		04/30/18 09:30	05/10/18 14:14	1
PCB-44	0.00280	J C	0.030	0.00020	ng/g		04/30/18 09:30	05/10/18 14:14	1
PCB-45	ND	C	0.020	0.00023	ng/g		04/30/18 09:30	05/10/18 14:14	1
PCB-46	ND		0.010	0.00028	ng/g		04/30/18 09:30	05/10/18 14:14	1
PCB-47	0.00280	J C44	0.030	0.00020	ng/g		04/30/18 09:30	05/10/18 14:14	1
PCB-48	ND		0.010	0.00022	ng/g		04/30/18 09:30	05/10/18 14:14	1
PCB-49	ND	C	0.020	0.00018	ng/g		04/30/18 09:30	05/10/18 14:14	1
PCB-50	ND	C	0.020	0.00022	ng/g		04/30/18 09:30	05/10/18 14:14	1
PCB-51	ND	C45	0.020	0.00023	ng/g		04/30/18 09:30	05/10/18 14:14	1
PCB-52	ND		0.010	0.00022	ng/g		04/30/18 09:30	05/10/18 14:14	1
PCB-53	ND	C50	0.020	0.00022	ng/g		04/30/18 09:30	05/10/18 14:14	1
PCB-54	ND		0.010	0.00010	ng/g		04/30/18 09:30	05/10/18 14:14	1
PCB-55	ND		0.010	0.00016	ng/g		04/30/18 09:30	05/10/18 14:14	1
PCB-56	ND		0.010	0.00016	ng/g		04/30/18 09:30	05/10/18 14:14	1
PCB-57	ND		0.010	0.00016	ng/g		04/30/18 09:30	05/10/18 14:14	1
PCB-58	ND		0.010	0.00017	ng/g		04/30/18 09:30	05/10/18 14:14	1
PCB-59	0.000698	J C q	0.030	0.00016	ng/g		04/30/18 09:30	05/10/18 14:14	1
PCB-60	ND		0.010	0.00016	ng/g		04/30/18 09:30	05/10/18 14:14	1
PCB-61	0.00116	J C q	0.040	0.00015	ng/g		04/30/18 09:30	05/10/18 14:14	1

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

Lab Sample ID: MB 140-19941/16-B
Matrix: Solid
Analysis Batch: 20235

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 19941

Analyte	MB Result	MB Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-62	0.000698	J C59 q	0.030	0.00016	ng/g		04/30/18 09:30	05/10/18 14:14	1
PCB-63	ND		0.010	0.00015	ng/g		04/30/18 09:30	05/10/18 14:14	1
PCB-64	ND		0.010	0.00015	ng/g		04/30/18 09:30	05/10/18 14:14	1
PCB-65	0.00280	J C44	0.030	0.00020	ng/g		04/30/18 09:30	05/10/18 14:14	1
PCB-66	ND		0.010	0.00015	ng/g		04/30/18 09:30	05/10/18 14:14	1
PCB-67	ND		0.010	0.00014	ng/g		04/30/18 09:30	05/10/18 14:14	1
PCB-68	ND		0.010	0.00015	ng/g		04/30/18 09:30	05/10/18 14:14	1
PCB-69	ND	C49	0.020	0.00018	ng/g		04/30/18 09:30	05/10/18 14:14	1
PCB-70	0.00116	J C61 q	0.040	0.00015	ng/g		04/30/18 09:30	05/10/18 14:14	1
PCB-71	ND	C40	0.030	0.00022	ng/g		04/30/18 09:30	05/10/18 14:14	1
PCB-72	ND		0.010	0.00016	ng/g		04/30/18 09:30	05/10/18 14:14	1
PCB-73	ND	C43	0.020	0.00021	ng/g		04/30/18 09:30	05/10/18 14:14	1
PCB-74	0.00116	J C61 q	0.040	0.00015	ng/g		04/30/18 09:30	05/10/18 14:14	1
PCB-75	0.000698	J C59 q	0.030	0.00016	ng/g		04/30/18 09:30	05/10/18 14:14	1
PCB-76	0.00116	J C61 q	0.040	0.00015	ng/g		04/30/18 09:30	05/10/18 14:14	1
PCB-77	ND		0.010	0.00016	ng/g		04/30/18 09:30	05/10/18 14:14	1
PCB-78	ND		0.010	0.00017	ng/g		04/30/18 09:30	05/10/18 14:14	1
PCB-79	ND		0.010	0.00014	ng/g		04/30/18 09:30	05/10/18 14:14	1
PCB-80	ND		0.010	0.00014	ng/g		04/30/18 09:30	05/10/18 14:14	1
PCB-81	ND		0.010	0.00015	ng/g		04/30/18 09:30	05/10/18 14:14	1
PCB-82	ND		0.010	0.00022	ng/g		04/30/18 09:30	05/10/18 14:14	1
PCB-83	ND	C	0.020	0.00020	ng/g		04/30/18 09:30	05/10/18 14:14	1
PCB-84	ND		0.010	0.00022	ng/g		04/30/18 09:30	05/10/18 14:14	1
PCB-85	ND	C	0.030	0.00016	ng/g		04/30/18 09:30	05/10/18 14:14	1
PCB-86	0.00119	J C q	0.060	0.00016	ng/g		04/30/18 09:30	05/10/18 14:14	1
PCB-87	0.00119	J C86 q	0.060	0.00016	ng/g		04/30/18 09:30	05/10/18 14:14	1
PCB-88	ND	C	0.020	0.00020	ng/g		04/30/18 09:30	05/10/18 14:14	1
PCB-89	ND		0.010	0.00021	ng/g		04/30/18 09:30	05/10/18 14:14	1
PCB-90	ND	C	0.030	0.00016	ng/g		04/30/18 09:30	05/10/18 14:14	1
PCB-91	ND	C88	0.020	0.00020	ng/g		04/30/18 09:30	05/10/18 14:14	1
PCB-92	ND		0.010	0.00019	ng/g		04/30/18 09:30	05/10/18 14:14	1
PCB-93	ND	C	0.020	0.00019	ng/g		04/30/18 09:30	05/10/18 14:14	1
PCB-94	ND		0.010	0.00021	ng/g		04/30/18 09:30	05/10/18 14:14	1
PCB-95	ND		0.010	0.00020	ng/g		04/30/18 09:30	05/10/18 14:14	1
PCB-96	ND		0.010	0.00016	ng/g		04/30/18 09:30	05/10/18 14:14	1
PCB-97	0.00119	J C86 q	0.060	0.00016	ng/g		04/30/18 09:30	05/10/18 14:14	1
PCB-98	ND	C	0.020	0.00018	ng/g		04/30/18 09:30	05/10/18 14:14	1
PCB-99	ND	C83	0.020	0.00020	ng/g		04/30/18 09:30	05/10/18 14:14	1
PCB-100	ND	C93	0.020	0.00019	ng/g		04/30/18 09:30	05/10/18 14:14	1
PCB-101	ND	C90	0.030	0.00016	ng/g		04/30/18 09:30	05/10/18 14:14	1
PCB-102	ND	C98	0.020	0.00018	ng/g		04/30/18 09:30	05/10/18 14:14	1
PCB-103	ND		0.010	0.00019	ng/g		04/30/18 09:30	05/10/18 14:14	1
PCB-104	ND		0.010	0.00014	ng/g		04/30/18 09:30	05/10/18 14:14	1
PCB-105	ND		0.010	0.00028	ng/g		04/30/18 09:30	05/10/18 14:14	1
PCB-106	ND		0.010	0.00029	ng/g		04/30/18 09:30	05/10/18 14:14	1
PCB-107	ND		0.010	0.00031	ng/g		04/30/18 09:30	05/10/18 14:14	1
PCB-108	0.00128	J C	0.020	0.00030	ng/g		04/30/18 09:30	05/10/18 14:14	1
PCB-109	0.00119	J C86 q	0.060	0.00016	ng/g		04/30/18 09:30	05/10/18 14:14	1

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

Lab Sample ID: MB 140-19941/16-B
Matrix: Solid
Analysis Batch: 20235

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 19941

Analyte	MB Result	MB Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-110	0.00160	J C	0.020	0.00014	ng/g		04/30/18 09:30	05/10/18 14:14	1
PCB-111	ND		0.010	0.00013	ng/g		04/30/18 09:30	05/10/18 14:14	1
PCB-112	ND		0.010	0.00014	ng/g		04/30/18 09:30	05/10/18 14:14	1
PCB-113	ND	C90	0.030	0.00016	ng/g		04/30/18 09:30	05/10/18 14:14	1
PCB-114	ND		0.010	0.00027	ng/g		04/30/18 09:30	05/10/18 14:14	1
PCB-115	0.00160	J C110	0.020	0.00014	ng/g		04/30/18 09:30	05/10/18 14:14	1
PCB-116	ND	C85	0.030	0.00016	ng/g		04/30/18 09:30	05/10/18 14:14	1
PCB-117	ND	C85	0.030	0.00016	ng/g		04/30/18 09:30	05/10/18 14:14	1
PCB-118	ND		0.010	0.00027	ng/g		04/30/18 09:30	05/10/18 14:14	1
PCB-119	0.00119	J C86 q	0.060	0.00016	ng/g		04/30/18 09:30	05/10/18 14:14	1
PCB-120	ND		0.010	0.00013	ng/g		04/30/18 09:30	05/10/18 14:14	1
PCB-121	ND		0.010	0.00014	ng/g		04/30/18 09:30	05/10/18 14:14	1
PCB-122	0.000622	J q	0.010	0.00033	ng/g		04/30/18 09:30	05/10/18 14:14	1
PCB-123	ND		0.010	0.00028	ng/g		04/30/18 09:30	05/10/18 14:14	1
PCB-124	0.00128	J C108	0.020	0.00030	ng/g		04/30/18 09:30	05/10/18 14:14	1
PCB-125	0.00119	J C86 q	0.060	0.00016	ng/g		04/30/18 09:30	05/10/18 14:14	1
PCB-126	0.000553	J q	0.010	0.00031	ng/g		04/30/18 09:30	05/10/18 14:14	1
PCB-127	ND		0.010	0.00029	ng/g		04/30/18 09:30	05/10/18 14:14	1
PCB-128	ND	C	0.020	0.00063	ng/g		04/30/18 09:30	05/10/18 14:14	1
PCB-129	ND	C	0.040	0.00065	ng/g		04/30/18 09:30	05/10/18 14:14	1
PCB-130	ND		0.010	0.00085	ng/g		04/30/18 09:30	05/10/18 14:14	1
PCB-131	ND		0.010	0.00089	ng/g		04/30/18 09:30	05/10/18 14:14	1
PCB-132	0.000992	J	0.010	0.00083	ng/g		04/30/18 09:30	05/10/18 14:14	1
PCB-133	ND		0.010	0.00081	ng/g		04/30/18 09:30	05/10/18 14:14	1
PCB-134	ND	C	0.020	0.00084	ng/g		04/30/18 09:30	05/10/18 14:14	1
PCB-135	ND	C	0.020	0.00020	ng/g		04/30/18 09:30	05/10/18 14:14	1
PCB-136	ND		0.010	0.00015	ng/g		04/30/18 09:30	05/10/18 14:14	1
PCB-137	ND		0.010	0.00073	ng/g		04/30/18 09:30	05/10/18 14:14	1
PCB-138	ND	C129	0.040	0.00065	ng/g		04/30/18 09:30	05/10/18 14:14	1
PCB-139	ND	C	0.020	0.00072	ng/g		04/30/18 09:30	05/10/18 14:14	1
PCB-140	ND	C139	0.020	0.00072	ng/g		04/30/18 09:30	05/10/18 14:14	1
PCB-141	ND		0.010	0.00075	ng/g		04/30/18 09:30	05/10/18 14:14	1
PCB-142	ND		0.010	0.00080	ng/g		04/30/18 09:30	05/10/18 14:14	1
PCB-143	ND	C134	0.020	0.00084	ng/g		04/30/18 09:30	05/10/18 14:14	1
PCB-144	ND		0.010	0.00018	ng/g		04/30/18 09:30	05/10/18 14:14	1
PCB-145	ND		0.010	0.00014	ng/g		04/30/18 09:30	05/10/18 14:14	1
PCB-146	ND		0.010	0.00071	ng/g		04/30/18 09:30	05/10/18 14:14	1
PCB-147	ND	C	0.020	0.00081	ng/g		04/30/18 09:30	05/10/18 14:14	1
PCB-148	ND		0.010	0.00020	ng/g		04/30/18 09:30	05/10/18 14:14	1
PCB-149	ND	C147	0.020	0.00081	ng/g		04/30/18 09:30	05/10/18 14:14	1
PCB-150	ND		0.010	0.00013	ng/g		04/30/18 09:30	05/10/18 14:14	1
PCB-151	ND	C135	0.020	0.00020	ng/g		04/30/18 09:30	05/10/18 14:14	1
PCB-152	ND		0.010	0.00014	ng/g		04/30/18 09:30	05/10/18 14:14	1
PCB-153	ND	C	0.020	0.00056	ng/g		04/30/18 09:30	05/10/18 14:14	1
PCB-154	ND		0.010	0.00016	ng/g		04/30/18 09:30	05/10/18 14:14	1
PCB-155	ND		0.010	0.00013	ng/g		04/30/18 09:30	05/10/18 14:14	1
PCB-156	ND	C	0.020	0.00068	ng/g		04/30/18 09:30	05/10/18 14:14	1
PCB-157	ND	C156	0.020	0.00068	ng/g		04/30/18 09:30	05/10/18 14:14	1

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

Lab Sample ID: MB 140-19941/16-B
Matrix: Solid
Analysis Batch: 20235

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 19941

Analyte	MB Result	MB Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-158	ND		0.010	0.00051	ng/g		04/30/18 09:30	05/10/18 14:14	1
PCB-159	ND		0.010	0.00054	ng/g		04/30/18 09:30	05/10/18 14:14	1
PCB-160	ND	C129	0.040	0.00065	ng/g		04/30/18 09:30	05/10/18 14:14	1
PCB-161	ND		0.010	0.00053	ng/g		04/30/18 09:30	05/10/18 14:14	1
PCB-162	ND		0.010	0.00053	ng/g		04/30/18 09:30	05/10/18 14:14	1
PCB-163	ND	C129	0.040	0.00065	ng/g		04/30/18 09:30	05/10/18 14:14	1
PCB-164	ND		0.010	0.00057	ng/g		04/30/18 09:30	05/10/18 14:14	1
PCB-165	ND		0.010	0.00061	ng/g		04/30/18 09:30	05/10/18 14:14	1
PCB-166	ND	C128	0.020	0.00063	ng/g		04/30/18 09:30	05/10/18 14:14	1
PCB-167	ND		0.010	0.00042	ng/g		04/30/18 09:30	05/10/18 14:14	1
PCB-168	ND	C153	0.020	0.00056	ng/g		04/30/18 09:30	05/10/18 14:14	1
PCB-169	0.000974	J q	0.010	0.00041	ng/g		04/30/18 09:30	05/10/18 14:14	1
PCB-170	ND		0.010	0.00080	ng/g		04/30/18 09:30	05/10/18 14:14	1
PCB-171	ND	C	0.020	0.00079	ng/g		04/30/18 09:30	05/10/18 14:14	1
PCB-172	ND		0.010	0.00078	ng/g		04/30/18 09:30	05/10/18 14:14	1
PCB-173	ND	C171	0.020	0.00079	ng/g		04/30/18 09:30	05/10/18 14:14	1
PCB-174	ND		0.010	0.00074	ng/g		04/30/18 09:30	05/10/18 14:14	1
PCB-175	ND		0.010	0.00071	ng/g		04/30/18 09:30	05/10/18 14:14	1
PCB-176	ND		0.010	0.00054	ng/g		04/30/18 09:30	05/10/18 14:14	1
PCB-177	ND		0.010	0.00076	ng/g		04/30/18 09:30	05/10/18 14:14	1
PCB-178	ND		0.010	0.00077	ng/g		04/30/18 09:30	05/10/18 14:14	1
PCB-179	ND		0.010	0.00057	ng/g		04/30/18 09:30	05/10/18 14:14	1
PCB-180	ND	C	0.020	0.00060	ng/g		04/30/18 09:30	05/10/18 14:14	1
PCB-181	ND		0.010	0.00071	ng/g		04/30/18 09:30	05/10/18 14:14	1
PCB-182	ND		0.010	0.00068	ng/g		04/30/18 09:30	05/10/18 14:14	1
PCB-183	ND	C	0.020	0.00070	ng/g		04/30/18 09:30	05/10/18 14:14	1
PCB-184	ND		0.010	0.00058	ng/g		04/30/18 09:30	05/10/18 14:14	1
PCB-185	ND	C183	0.020	0.00070	ng/g		04/30/18 09:30	05/10/18 14:14	1
PCB-186	ND		0.010	0.00057	ng/g		04/30/18 09:30	05/10/18 14:14	1
PCB-187	ND		0.010	0.00066	ng/g		04/30/18 09:30	05/10/18 14:14	1
PCB-188	ND		0.010	0.00051	ng/g		04/30/18 09:30	05/10/18 14:14	1
PCB-189	0.000770	J q	0.010	0.00033	ng/g		04/30/18 09:30	05/10/18 14:14	1
PCB-190	0.000615	J q	0.010	0.00051	ng/g		04/30/18 09:30	05/10/18 14:14	1
PCB-191	ND		0.010	0.00054	ng/g		04/30/18 09:30	05/10/18 14:14	1
PCB-192	ND		0.010	0.00060	ng/g		04/30/18 09:30	05/10/18 14:14	1
PCB-193	ND	C180	0.020	0.00060	ng/g		04/30/18 09:30	05/10/18 14:14	1
PCB-194	ND		0.010	0.00039	ng/g		04/30/18 09:30	05/10/18 14:14	1
PCB-195	0.00118	J	0.010	0.00043	ng/g		04/30/18 09:30	05/10/18 14:14	1
PCB-196	ND		0.010	0.00014	ng/g		04/30/18 09:30	05/10/18 14:14	1
PCB-197	ND		0.010	0.00011	ng/g		04/30/18 09:30	05/10/18 14:14	1
PCB-198	0.000859	J C q	0.020	0.00014	ng/g		04/30/18 09:30	05/10/18 14:14	1
PCB-199	0.000859	J C198 q	0.020	0.00014	ng/g		04/30/18 09:30	05/10/18 14:14	1
PCB-200	ND		0.010	0.000095	ng/g		04/30/18 09:30	05/10/18 14:14	1
PCB-201	ND		0.010	0.000098	ng/g		04/30/18 09:30	05/10/18 14:14	1
PCB-202	ND		0.010	0.00011	ng/g		04/30/18 09:30	05/10/18 14:14	1
PCB-203	ND		0.010	0.00013	ng/g		04/30/18 09:30	05/10/18 14:14	1
PCB-204	ND		0.010	0.00011	ng/g		04/30/18 09:30	05/10/18 14:14	1
PCB-205	0.000625	J q	0.010	0.00033	ng/g		04/30/18 09:30	05/10/18 14:14	1

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

Lab Sample ID: MB 140-19941/16-B
Matrix: Solid
Analysis Batch: 20235

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 19941

Analyte	MB Result	MB Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-206	ND		0.010	0.0012	ng/g		04/30/18 09:30	05/10/18 14:14	1
PCB-207	ND		0.010	0.00084	ng/g		04/30/18 09:30	05/10/18 14:14	1
PCB-208	ND		0.010	0.00086	ng/g		04/30/18 09:30	05/10/18 14:14	1
PCB-209	0.00117	J q	0.010	0.00023	ng/g		04/30/18 09:30	05/10/18 14:14	1

Isotope Dilution	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
PCB-1L	*97*		*30 - 140*	*04/30/18 09:30*	*05/10/18 14:14*	*1*
PCB-3L	*86*		*30 - 140*	*04/30/18 09:30*	*05/10/18 14:14*	*1*
PCB-4L	*79*		*30 - 140*	*04/30/18 09:30*	*05/10/18 14:14*	*1*
PCB-15L	*68*		*30 - 140*	*04/30/18 09:30*	*05/10/18 14:14*	*1*
PCB-19L	*81*		*30 - 140*	*04/30/18 09:30*	*05/10/18 14:14*	*1*
PCB-37L	*72*		*30 - 140*	*04/30/18 09:30*	*05/10/18 14:14*	*1*
PCB-54L	*82*		*30 - 140*	*04/30/18 09:30*	*05/10/18 14:14*	*1*
PCB-77L	*70*		*30 - 140*	*04/30/18 09:30*	*05/10/18 14:14*	*1*
PCB-81L	*68*		*30 - 140*	*04/30/18 09:30*	*05/10/18 14:14*	*1*
PCB-104L	*85*		*30 - 140*	*04/30/18 09:30*	*05/10/18 14:14*	*1*
PCB-105L	*85*		*30 - 140*	*04/30/18 09:30*	*05/10/18 14:14*	*1*
PCB-114L	*86*		*30 - 140*	*04/30/18 09:30*	*05/10/18 14:14*	*1*
PCB-118L	*84*		*30 - 140*	*04/30/18 09:30*	*05/10/18 14:14*	*1*
PCB-123L	*82*		*30 - 140*	*04/30/18 09:30*	*05/10/18 14:14*	*1*
PCB-126L	*78*		*30 - 140*	*04/30/18 09:30*	*05/10/18 14:14*	*1*
PCB-155L	*82*		*30 - 140*	*04/30/18 09:30*	*05/10/18 14:14*	*1*
PCB-156L	*84*	*C*	*30 - 140*	*04/30/18 09:30*	*05/10/18 14:14*	*1*
PCB-157L	*84*	*C156*	*30 - 140*	*04/30/18 09:30*	*05/10/18 14:14*	*1*
PCB-167L	*86*		*30 - 140*	*04/30/18 09:30*	*05/10/18 14:14*	*1*
PCB-169L	*93*		*30 - 140*	*04/30/18 09:30*	*05/10/18 14:14*	*1*
PCB-170L	*85*		*30 - 140*	*04/30/18 09:30*	*05/10/18 14:14*	*1*
PCB-188L	*88*		*30 - 140*	*04/30/18 09:30*	*05/10/18 14:14*	*1*
PCB-189L	*86*		*30 - 140*	*04/30/18 09:30*	*05/10/18 14:14*	*1*
PCB-202L	*91*		*30 - 140*	*04/30/18 09:30*	*05/10/18 14:14*	*1*
PCB-205L	*71*		*30 - 140*	*04/30/18 09:30*	*05/10/18 14:14*	*1*
PCB-206L	*70*		*30 - 140*	*04/30/18 09:30*	*05/10/18 14:14*	*1*
PCB-208L	*69*		*30 - 140*	*04/30/18 09:30*	*05/10/18 14:14*	*1*
PCB-209L	*65*		*30 - 140*	*04/30/18 09:30*	*05/10/18 14:14*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
PCB-28L	*86*		*40 - 125*	*04/30/18 09:30*	*05/10/18 14:14*	*1*
PCB-111L	*89*		*40 - 125*	*04/30/18 09:30*	*05/10/18 14:14*	*1*
PCB-178L	*91*		*40 - 125*	*04/30/18 09:30*	*05/10/18 14:14*	*1*

Lab Sample ID: LCS 140-19941/17-B
Matrix: Solid
Analysis Batch: 20235

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 19941

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1	0.500	0.473		ng/g		95	50 - 150
PCB-3	0.500	0.499		ng/g		100	50 - 150
PCB-4	0.500	0.467		ng/g		93	50 - 150

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

Lab Sample ID: LCS 140-19941/17-B
Matrix: Solid
Analysis Batch: 20235

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 19941

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-15	0.500	0.553		ng/g		111	50 - 150
PCB-19	0.500	0.608		ng/g		122	50 - 150
PCB-37	0.500	0.565		ng/g		113	50 - 150
PCB-54	0.500	0.515		ng/g		103	50 - 150
PCB-77	0.500	0.548		ng/g		110	50 - 150
PCB-81	0.500	0.492		ng/g		98	50 - 150
PCB-104	0.500	0.578		ng/g		116	50 - 150
PCB-105	0.500	0.534		ng/g		107	50 - 150
PCB-114	0.500	0.584		ng/g		117	50 - 150
PCB-118	0.500	0.552		ng/g		110	50 - 150
PCB-123	0.500	0.600		ng/g		120	50 - 150
PCB-126	0.500	0.584		ng/g		117	50 - 150
PCB-155	0.500	0.532		ng/g		106	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	0.584		ng/g		117	50 - 150
PCB-169	0.500	0.542		ng/g		108	50 - 150
PCB-188	0.500	0.551		ng/g		110	50 - 150
PCB-189	0.500	0.565		ng/g		113	50 - 150
PCB-202	0.500	0.500		ng/g		100	50 - 150
PCB-205	0.500	0.616		ng/g		123	50 - 150
PCB-206	0.500	0.543		ng/g		109	50 - 150
PCB-208	0.500	0.558		ng/g		112	50 - 150
PCB-209	0.500	0.565		ng/g		113	50 - 150

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
PCB-1L	*82*		*30 - 140*
PCB-3L	*76*		*30 - 140*
PCB-4L	*69*		*30 - 140*
PCB-15L	*63*		*30 - 140*
PCB-19L	*73*		*30 - 140*
PCB-37L	*71*		*30 - 140*
PCB-54L	*71*		*30 - 140*
PCB-77L	*78*		*30 - 140*
PCB-81L	*77*		*30 - 140*
PCB-104L	*71*		*30 - 140*
PCB-105L	*84*		*30 - 140*
PCB-114L	*84*		*30 - 140*
PCB-118L	*82*		*30 - 140*
PCB-123L	*79*		*30 - 140*
PCB-126L	*82*		*30 - 140*
PCB-155L	*77*		*30 - 140*
PCB-156L	*85*	*C*	*30 - 140*
PCB-157L	*85*	*C156*	*30 - 140*
PCB-167L	*86*		*30 - 140*
PCB-169L	*90*		*30 - 140*
PCB-170L	*83*		*30 - 140*
PCB-188L	*82*		*30 - 140*

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

Lab Sample ID: LCS 140-19941/17-B
Matrix: Solid
Analysis Batch: 20235

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 19941

Isotope Dilution	LCS %Recovery	LCS Qualifier	Limits
PCB-189L	91		30 - 140
PCB-202L	86		30 - 140
PCB-205L	74		30 - 140
PCB-206L	70		30 - 140
PCB-208L	70		30 - 140
PCB-209L	66		30 - 140

Surrogate	LCS %Recovery	LCS Qualifier	Limits
PCB-28L	91		40 - 125
PCB-111L	92		40 - 125
PCB-178L	92		40 - 125

Lab Sample ID: LCSD 140-19941/18-B
Matrix: Solid
Analysis Batch: 20235

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 19941

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
PCB-1			0.500	0.476		ng/g		95	50 - 150	1	50
PCB-3			0.500	0.504		ng/g		101	50 - 150	1	50
PCB-4			0.500	0.489		ng/g		98	50 - 150	5	50
PCB-15			0.500	0.525		ng/g		105	50 - 150	5	50
PCB-19			0.500	0.600		ng/g		120	50 - 150	1	50
PCB-37			0.500	0.534		ng/g		107	50 - 150	6	50
PCB-54			0.500	0.509		ng/g		102	50 - 150	1	50
PCB-77			0.500	0.548		ng/g		110	50 - 150	0	50
PCB-81			0.500	0.499		ng/g		100	50 - 150	1	50
PCB-104			0.500	0.552		ng/g		110	50 - 150	5	50
PCB-105			0.500	0.526		ng/g		105	50 - 150	2	50
PCB-114			0.500	0.574		ng/g		115	50 - 150	2	50
PCB-118			0.500	0.547		ng/g		109	50 - 150	1	50
PCB-123			0.500	0.617		ng/g		123	50 - 150	3	50
PCB-126			0.500	0.575		ng/g		115	50 - 150	1	50
PCB-155			0.500	0.521		ng/g		104	50 - 150	2	50
PCB-156			1.00	1.18	C	ng/g		118	50 - 150	2	50
PCB-157			1.00	1.18	C156	ng/g		118	50 - 150	2	50
PCB-167			0.500	0.578		ng/g		116	50 - 150	1	50
PCB-169			0.500	0.542		ng/g		108	50 - 150	0	50
PCB-188			0.500	0.571		ng/g		114	50 - 150	4	50
PCB-189			0.500	0.561		ng/g		112	50 - 150	1	50
PCB-202			0.500	0.478		ng/g		96	50 - 150	5	50
PCB-205			0.500	0.622		ng/g		124	50 - 150	1	50
PCB-206			0.500	0.537		ng/g		107	50 - 150	1	50
PCB-208			0.500	0.568		ng/g		114	50 - 150	2	50
PCB-209			0.500	0.575		ng/g		115	50 - 150	2	50

Isotope Dilution	LCSD %Recovery	LCSD Qualifier	Limits
PCB-1L	97		30 - 140
PCB-3L	89		30 - 140

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

Lab Sample ID: LCSD 140-19941/18-B
Matrix: Solid
Analysis Batch: 20235

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 19941

Isotope Dilution	LCSD %Recovery	LCSD Qualifier	Limits
PCB-4L	80		30 - 140
PCB-15L	73		30 - 140
PCB-19L	87		30 - 140
PCB-37L	77		30 - 140
PCB-54L	86		30 - 140
PCB-77L	74		30 - 140
PCB-81L	74		30 - 140
PCB-104L	86		30 - 140
PCB-105L	89		30 - 140
PCB-114L	88		30 - 140
PCB-118L	86		30 - 140
PCB-123L	86		30 - 140
PCB-126L	82		30 - 140
PCB-155L	84		30 - 140
PCB-156L	87	C	30 - 140
PCB-157L	87	C156	30 - 140
PCB-167L	87		30 - 140
PCB-169L	92		30 - 140
PCB-170L	83		30 - 140
PCB-188L	85		30 - 140
PCB-189L	92		30 - 140
PCB-202L	90		30 - 140
PCB-205L	76		30 - 140
PCB-206L	74		30 - 140
PCB-208L	72		30 - 140
PCB-209L	67		30 - 140

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
PCB-28L	87		40 - 125
PCB-111L	88		40 - 125
PCB-178L	84		40 - 125

Lab Sample ID: MB 140-20082/18-A
Matrix: Water
Analysis Batch: 20312

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 20082

Analyte	MB Result	MB Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1	0.00428	J q	0.040	0.00052	ng/L		05/04/18 07:53	05/14/18 18:39	1
PCB-2	0.00817	J q	0.040	0.00057	ng/L		05/04/18 07:53	05/14/18 18:39	1
PCB-3	0.00816	J q	0.040	0.00066	ng/L		05/04/18 07:53	05/14/18 18:39	1
PCB-4	ND		0.060	0.0026	ng/L		05/04/18 07:53	05/14/18 18:39	1
PCB-5	ND		0.040	0.0019	ng/L		05/04/18 07:53	05/14/18 18:39	1
PCB-6	0.00270	J	0.040	0.0019	ng/L		05/04/18 07:53	05/14/18 18:39	1
PCB-7	0.00312	J q	0.040	0.0018	ng/L		05/04/18 07:53	05/14/18 18:39	1
PCB-8	0.00815	J q	0.060	0.0019	ng/L		05/04/18 07:53	05/14/18 18:39	1
PCB-9	ND		0.040	0.0021	ng/L		05/04/18 07:53	05/14/18 18:39	1
PCB-10	ND		0.040	0.0021	ng/L		05/04/18 07:53	05/14/18 18:39	1
PCB-11	0.0159	J q	0.060	0.0017	ng/L		05/04/18 07:53	05/14/18 18:39	1

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

Lab Sample ID: MB 140-20082/18-A
Matrix: Water
Analysis Batch: 20312

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 20082

Analyte	MB Result	MB Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-12	ND	C	0.080	0.0017	ng/L		05/04/18 07:53	05/14/18 18:39	1
PCB-13	ND	C12	0.080	0.0017	ng/L		05/04/18 07:53	05/14/18 18:39	1
PCB-14	ND		0.040	0.0016	ng/L		05/04/18 07:53	05/14/18 18:39	1
PCB-15	ND		0.040	0.0020	ng/L		05/04/18 07:53	05/14/18 18:39	1
PCB-16	ND		0.040	0.00036	ng/L		05/04/18 07:53	05/14/18 18:39	1
PCB-17	ND		0.040	0.00028	ng/L		05/04/18 07:53	05/14/18 18:39	1
PCB-18	ND	C	0.080	0.00024	ng/L		05/04/18 07:53	05/14/18 18:39	1
PCB-19	ND		0.040	0.00034	ng/L		05/04/18 07:53	05/14/18 18:39	1
PCB-20	0.00559	J C	0.080	0.00072	ng/L		05/04/18 07:53	05/14/18 18:39	1
PCB-21	0.00233	J C q	0.080	0.00067	ng/L		05/04/18 07:53	05/14/18 18:39	1
PCB-22	0.00164	J q	0.040	0.00073	ng/L		05/04/18 07:53	05/14/18 18:39	1
PCB-23	ND		0.040	0.00072	ng/L		05/04/18 07:53	05/14/18 18:39	1
PCB-24	ND		0.040	0.00021	ng/L		05/04/18 07:53	05/14/18 18:39	1
PCB-25	ND		0.040	0.00068	ng/L		05/04/18 07:53	05/14/18 18:39	1
PCB-26	0.00177	J C	0.080	0.00072	ng/L		05/04/18 07:53	05/14/18 18:39	1
PCB-27	ND		0.040	0.00021	ng/L		05/04/18 07:53	05/14/18 18:39	1
PCB-28	0.00559	J C20	0.080	0.00072	ng/L		05/04/18 07:53	05/14/18 18:39	1
PCB-29	0.00177	J C26	0.080	0.00072	ng/L		05/04/18 07:53	05/14/18 18:39	1
PCB-30	ND	C18	0.080	0.00024	ng/L		05/04/18 07:53	05/14/18 18:39	1
PCB-31	0.00357	J	0.040	0.00066	ng/L		05/04/18 07:53	05/14/18 18:39	1
PCB-32	ND		0.040	0.00019	ng/L		05/04/18 07:53	05/14/18 18:39	1
PCB-33	0.00233	J C21 q	0.080	0.00067	ng/L		05/04/18 07:53	05/14/18 18:39	1
PCB-34	ND		0.040	0.00074	ng/L		05/04/18 07:53	05/14/18 18:39	1
PCB-35	ND		0.040	0.00071	ng/L		05/04/18 07:53	05/14/18 18:39	1
PCB-36	ND		0.040	0.00064	ng/L		05/04/18 07:53	05/14/18 18:39	1
PCB-37	ND		0.040	0.00067	ng/L		05/04/18 07:53	05/14/18 18:39	1
PCB-38	ND		0.040	0.00070	ng/L		05/04/18 07:53	05/14/18 18:39	1
PCB-39	ND		0.040	0.00064	ng/L		05/04/18 07:53	05/14/18 18:39	1
PCB-40	0.00101	J C q	0.12	0.00031	ng/L		05/04/18 07:53	05/14/18 18:39	1
PCB-41	0.00101	J q C40	0.12	0.00031	ng/L		05/04/18 07:53	05/14/18 18:39	1
PCB-42	ND		0.040	0.00031	ng/L		05/04/18 07:53	05/14/18 18:39	1
PCB-43	ND	C	0.080	0.00028	ng/L		05/04/18 07:53	05/14/18 18:39	1
PCB-44	0.00777	J C	0.12	0.00027	ng/L		05/04/18 07:53	05/14/18 18:39	1
PCB-45	0.000607	J C q	0.080	0.00032	ng/L		05/04/18 07:53	05/14/18 18:39	1
PCB-46	ND		0.040	0.00038	ng/L		05/04/18 07:53	05/14/18 18:39	1
PCB-47	0.00777	J C44	0.12	0.00027	ng/L		05/04/18 07:53	05/14/18 18:39	1
PCB-48	0.000563	J q	0.040	0.00029	ng/L		05/04/18 07:53	05/14/18 18:39	1
PCB-49	0.00187	J C	0.080	0.00025	ng/L		05/04/18 07:53	05/14/18 18:39	1
PCB-50	ND	C	0.080	0.00031	ng/L		05/04/18 07:53	05/14/18 18:39	1
PCB-51	0.000607	J C45 q	0.080	0.00032	ng/L		05/04/18 07:53	05/14/18 18:39	1
PCB-52	0.00298	J	0.040	0.00032	ng/L		05/04/18 07:53	05/14/18 18:39	1
PCB-53	ND	C50	0.080	0.00031	ng/L		05/04/18 07:53	05/14/18 18:39	1
PCB-54	ND		0.040	0.00054	ng/L		05/04/18 07:53	05/14/18 18:39	1
PCB-55	ND		0.040	0.00021	ng/L		05/04/18 07:53	05/14/18 18:39	1
PCB-56	ND		0.040	0.00021	ng/L		05/04/18 07:53	05/14/18 18:39	1
PCB-57	ND		0.040	0.00021	ng/L		05/04/18 07:53	05/14/18 18:39	1
PCB-58	ND		0.040	0.00021	ng/L		05/04/18 07:53	05/14/18 18:39	1
PCB-59	0.00122	J C q	0.12	0.00021	ng/L		05/04/18 07:53	05/14/18 18:39	1

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

Lab Sample ID: MB 140-20082/18-A
Matrix: Water
Analysis Batch: 20312

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 20082

Analyte	MB Result	MB Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-60	ND		0.040	0.00021	ng/L		05/04/18 07:53	05/14/18 18:39	1
PCB-61	0.00311	J C q	0.16	0.00020	ng/L		05/04/18 07:53	05/14/18 18:39	1
PCB-62	0.00122	J C59 q	0.12	0.00021	ng/L		05/04/18 07:53	05/14/18 18:39	1
PCB-63	ND		0.040	0.00018	ng/L		05/04/18 07:53	05/14/18 18:39	1
PCB-64	0.00123	J	0.040	0.00019	ng/L		05/04/18 07:53	05/14/18 18:39	1
PCB-65	0.00777	J C44	0.12	0.00027	ng/L		05/04/18 07:53	05/14/18 18:39	1
PCB-66	0.00126	J q	0.040	0.00020	ng/L		05/04/18 07:53	05/14/18 18:39	1
PCB-67	ND		0.040	0.00020	ng/L		05/04/18 07:53	05/14/18 18:39	1
PCB-68	0.000813	J q	0.040	0.00019	ng/L		05/04/18 07:53	05/14/18 18:39	1
PCB-69	0.00187	J C49	0.080	0.00025	ng/L		05/04/18 07:53	05/14/18 18:39	1
PCB-70	0.00311	J C61 q	0.16	0.00020	ng/L		05/04/18 07:53	05/14/18 18:39	1
PCB-71	0.00101	J q C40	0.12	0.00031	ng/L		05/04/18 07:53	05/14/18 18:39	1
PCB-72	ND		0.040	0.00021	ng/L		05/04/18 07:53	05/14/18 18:39	1
PCB-73	ND	C43	0.080	0.00028	ng/L		05/04/18 07:53	05/14/18 18:39	1
PCB-74	0.00311	J C61 q	0.16	0.00020	ng/L		05/04/18 07:53	05/14/18 18:39	1
PCB-75	0.00122	J C59 q	0.12	0.00021	ng/L		05/04/18 07:53	05/14/18 18:39	1
PCB-76	0.00311	J C61 q	0.16	0.00020	ng/L		05/04/18 07:53	05/14/18 18:39	1
PCB-77	ND		0.040	0.00019	ng/L		05/04/18 07:53	05/14/18 18:39	1
PCB-78	ND		0.040	0.00021	ng/L		05/04/18 07:53	05/14/18 18:39	1
PCB-79	0.000432	J q	0.040	0.00018	ng/L		05/04/18 07:53	05/14/18 18:39	1
PCB-80	ND		0.040	0.00018	ng/L		05/04/18 07:53	05/14/18 18:39	1
PCB-81	0.000871	J q	0.040	0.00019	ng/L		05/04/18 07:53	05/14/18 18:39	1
PCB-82	ND		0.040	0.00093	ng/L		05/04/18 07:53	05/14/18 18:39	1
PCB-83	ND	C	0.080	0.00089	ng/L		05/04/18 07:53	05/14/18 18:39	1
PCB-84	ND		0.040	0.00098	ng/L		05/04/18 07:53	05/14/18 18:39	1
PCB-85	ND	C	0.12	0.00068	ng/L		05/04/18 07:53	05/14/18 18:39	1
PCB-86	ND	C	0.24	0.00071	ng/L		05/04/18 07:53	05/14/18 18:39	1
PCB-87	ND	C86	0.24	0.00071	ng/L		05/04/18 07:53	05/14/18 18:39	1
PCB-88	ND	C	0.080	0.00085	ng/L		05/04/18 07:53	05/14/18 18:39	1
PCB-89	ND		0.040	0.00092	ng/L		05/04/18 07:53	05/14/18 18:39	1
PCB-90	0.00384	J C q	0.12	0.00072	ng/L		05/04/18 07:53	05/14/18 18:39	1
PCB-91	ND	C88	0.080	0.00085	ng/L		05/04/18 07:53	05/14/18 18:39	1
PCB-92	ND		0.040	0.00088	ng/L		05/04/18 07:53	05/14/18 18:39	1
PCB-93	ND	C	0.080	0.00087	ng/L		05/04/18 07:53	05/14/18 18:39	1
PCB-94	ND		0.040	0.00092	ng/L		05/04/18 07:53	05/14/18 18:39	1
PCB-95	0.000913	J q	0.040	0.00090	ng/L		05/04/18 07:53	05/14/18 18:39	1
PCB-96	ND		0.040	0.00069	ng/L		05/04/18 07:53	05/14/18 18:39	1
PCB-97	ND	C86	0.24	0.00071	ng/L		05/04/18 07:53	05/14/18 18:39	1
PCB-98	ND	C	0.080	0.00086	ng/L		05/04/18 07:53	05/14/18 18:39	1
PCB-99	ND	C83	0.080	0.00089	ng/L		05/04/18 07:53	05/14/18 18:39	1
PCB-100	ND	C93	0.080	0.00087	ng/L		05/04/18 07:53	05/14/18 18:39	1
PCB-101	0.00384	J C90 q	0.12	0.00072	ng/L		05/04/18 07:53	05/14/18 18:39	1
PCB-102	ND	C98	0.080	0.00086	ng/L		05/04/18 07:53	05/14/18 18:39	1
PCB-103	0.00151	J q	0.040	0.00079	ng/L		05/04/18 07:53	05/14/18 18:39	1
PCB-104	ND		0.040	0.00062	ng/L		05/04/18 07:53	05/14/18 18:39	1
PCB-105	ND		0.040	0.00033	ng/L		05/04/18 07:53	05/14/18 18:39	1
PCB-106	ND		0.040	0.00033	ng/L		05/04/18 07:53	05/14/18 18:39	1
PCB-107	ND		0.040	0.00032	ng/L		05/04/18 07:53	05/14/18 18:39	1

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

Lab Sample ID: MB 140-20082/18-A
Matrix: Water
Analysis Batch: 20312

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 20082

Analyte	MB Result	MB Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-108	0.000404	J C q	0.080	0.00034	ng/L		05/04/18 07:53	05/14/18 18:39	1
PCB-109	ND	C86	0.24	0.00071	ng/L		05/04/18 07:53	05/14/18 18:39	1
PCB-110	0.00291	J C q	0.080	0.00059	ng/L		05/04/18 07:53	05/14/18 18:39	1
PCB-111	ND		0.040	0.00055	ng/L		05/04/18 07:53	05/14/18 18:39	1
PCB-112	ND		0.040	0.00060	ng/L		05/04/18 07:53	05/14/18 18:39	1
PCB-113	0.00384	J C90 q	0.12	0.00072	ng/L		05/04/18 07:53	05/14/18 18:39	1
PCB-114	ND		0.040	0.00030	ng/L		05/04/18 07:53	05/14/18 18:39	1
PCB-115	0.00291	J C110 q	0.080	0.00059	ng/L		05/04/18 07:53	05/14/18 18:39	1
PCB-116	ND	C85	0.12	0.00068	ng/L		05/04/18 07:53	05/14/18 18:39	1
PCB-117	ND	C85	0.12	0.00068	ng/L		05/04/18 07:53	05/14/18 18:39	1
PCB-118	0.000854	J q	0.040	0.00030	ng/L		05/04/18 07:53	05/14/18 18:39	1
PCB-119	ND	C86	0.24	0.00071	ng/L		05/04/18 07:53	05/14/18 18:39	1
PCB-120	ND		0.040	0.00055	ng/L		05/04/18 07:53	05/14/18 18:39	1
PCB-121	ND		0.040	0.00059	ng/L		05/04/18 07:53	05/14/18 18:39	1
PCB-122	ND		0.040	0.00037	ng/L		05/04/18 07:53	05/14/18 18:39	1
PCB-123	ND		0.040	0.00031	ng/L		05/04/18 07:53	05/14/18 18:39	1
PCB-124	0.000404	J q C108	0.080	0.00034	ng/L		05/04/18 07:53	05/14/18 18:39	1
PCB-125	ND	C86	0.24	0.00071	ng/L		05/04/18 07:53	05/14/18 18:39	1
PCB-126	ND		0.040	0.00032	ng/L		05/04/18 07:53	05/14/18 18:39	1
PCB-127	ND		0.040	0.00032	ng/L		05/04/18 07:53	05/14/18 18:39	1
PCB-128	ND	C	0.080	0.00011	ng/L		05/04/18 07:53	05/14/18 18:39	1
PCB-129	0.00154	J C q	0.16	0.00011	ng/L		05/04/18 07:53	05/14/18 18:39	1
PCB-130	ND		0.040	0.00014	ng/L		05/04/18 07:53	05/14/18 18:39	1
PCB-131	ND		0.040	0.00014	ng/L		05/04/18 07:53	05/14/18 18:39	1
PCB-132	ND		0.040	0.00014	ng/L		05/04/18 07:53	05/14/18 18:39	1
PCB-133	ND		0.040	0.00013	ng/L		05/04/18 07:53	05/14/18 18:39	1
PCB-134	ND	C	0.080	0.00014	ng/L		05/04/18 07:53	05/14/18 18:39	1
PCB-135	ND	C	0.080	0.00049	ng/L		05/04/18 07:53	05/14/18 18:39	1
PCB-136	ND		0.040	0.00035	ng/L		05/04/18 07:53	05/14/18 18:39	1
PCB-137	ND		0.040	0.00012	ng/L		05/04/18 07:53	05/14/18 18:39	1
PCB-138	0.00154	J C129 q	0.16	0.00011	ng/L		05/04/18 07:53	05/14/18 18:39	1
PCB-139	ND	C	0.080	0.00012	ng/L		05/04/18 07:53	05/14/18 18:39	1
PCB-140	ND	C139	0.080	0.00012	ng/L		05/04/18 07:53	05/14/18 18:39	1
PCB-141	0.000620	J q	0.040	0.00012	ng/L		05/04/18 07:53	05/14/18 18:39	1
PCB-142	ND		0.040	0.00014	ng/L		05/04/18 07:53	05/14/18 18:39	1
PCB-143	ND	C134	0.080	0.00014	ng/L		05/04/18 07:53	05/14/18 18:39	1
PCB-144	ND		0.040	0.00046	ng/L		05/04/18 07:53	05/14/18 18:39	1
PCB-145	ND		0.040	0.00035	ng/L		05/04/18 07:53	05/14/18 18:39	1
PCB-146	0.000387	J q	0.040	0.00011	ng/L		05/04/18 07:53	05/14/18 18:39	1
PCB-147	0.000854	J C q	0.080	0.00012	ng/L		05/04/18 07:53	05/14/18 18:39	1
PCB-148	ND		0.040	0.00047	ng/L		05/04/18 07:53	05/14/18 18:39	1
PCB-149	0.000854	J C147 q	0.080	0.00012	ng/L		05/04/18 07:53	05/14/18 18:39	1
PCB-150	ND		0.040	0.00032	ng/L		05/04/18 07:53	05/14/18 18:39	1
PCB-151	ND	C135	0.080	0.00049	ng/L		05/04/18 07:53	05/14/18 18:39	1
PCB-152	ND		0.040	0.00034	ng/L		05/04/18 07:53	05/14/18 18:39	1
PCB-153	0.000785	J C q	0.080	0.000094	ng/L		05/04/18 07:53	05/14/18 18:39	1
PCB-154	ND		0.040	0.00041	ng/L		05/04/18 07:53	05/14/18 18:39	1
PCB-155	0.000522	J	0.040	0.00032	ng/L		05/04/18 07:53	05/14/18 18:39	1

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

Lab Sample ID: MB 140-20082/18-A
Matrix: Water
Analysis Batch: 20312

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 20082

Analyte	MB Result	MB Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-156	0.000313	J C q	0.080	0.00011	ng/L		05/04/18 07:53	05/14/18 18:39	1
PCB-157	0.000313	J C156 q	0.080	0.00011	ng/L		05/04/18 07:53	05/14/18 18:39	1
PCB-158	ND		0.040	0.000083	ng/L		05/04/18 07:53	05/14/18 18:39	1
PCB-159	ND		0.040	0.000086	ng/L		05/04/18 07:53	05/14/18 18:39	1
PCB-160	0.00154	J C129 q	0.16	0.00011	ng/L		05/04/18 07:53	05/14/18 18:39	1
PCB-161	ND		0.040	0.000089	ng/L		05/04/18 07:53	05/14/18 18:39	1
PCB-162	ND		0.040	0.000084	ng/L		05/04/18 07:53	05/14/18 18:39	1
PCB-163	0.00154	J C129 q	0.16	0.00011	ng/L		05/04/18 07:53	05/14/18 18:39	1
PCB-164	ND		0.040	0.000091	ng/L		05/04/18 07:53	05/14/18 18:39	1
PCB-165	ND		0.040	0.00010	ng/L		05/04/18 07:53	05/14/18 18:39	1
PCB-166	ND	C128	0.080	0.00011	ng/L		05/04/18 07:53	05/14/18 18:39	1
PCB-167	ND		0.040	0.000065	ng/L		05/04/18 07:53	05/14/18 18:39	1
PCB-168	0.000785	J C153 q	0.080	0.000094	ng/L		05/04/18 07:53	05/14/18 18:39	1
PCB-169	ND		0.040	0.000065	ng/L		05/04/18 07:53	05/14/18 18:39	1
PCB-170	ND		0.040	0.00013	ng/L		05/04/18 07:53	05/14/18 18:39	1
PCB-171	ND	C	0.080	0.00014	ng/L		05/04/18 07:53	05/14/18 18:39	1
PCB-172	ND		0.040	0.00014	ng/L		05/04/18 07:53	05/14/18 18:39	1
PCB-173	ND	C171	0.080	0.00014	ng/L		05/04/18 07:53	05/14/18 18:39	1
PCB-174	0.00106	J q	0.040	0.00014	ng/L		05/04/18 07:53	05/14/18 18:39	1
PCB-175	ND		0.040	0.00013	ng/L		05/04/18 07:53	05/14/18 18:39	1
PCB-176	ND		0.040	0.000090	ng/L		05/04/18 07:53	05/14/18 18:39	1
PCB-177	ND		0.040	0.00014	ng/L		05/04/18 07:53	05/14/18 18:39	1
PCB-178	ND		0.040	0.00013	ng/L		05/04/18 07:53	05/14/18 18:39	1
PCB-179	ND		0.040	0.000099	ng/L		05/04/18 07:53	05/14/18 18:39	1
PCB-180	ND	C	0.080	0.00011	ng/L		05/04/18 07:53	05/14/18 18:39	1
PCB-181	ND		0.040	0.00012	ng/L		05/04/18 07:53	05/14/18 18:39	1
PCB-182	ND		0.040	0.00012	ng/L		05/04/18 07:53	05/14/18 18:39	1
PCB-183	0.00169	J C q	0.080	0.00012	ng/L		05/04/18 07:53	05/14/18 18:39	1
PCB-184	ND		0.040	0.00010	ng/L		05/04/18 07:53	05/14/18 18:39	1
PCB-185	0.00169	J C183 q	0.080	0.00012	ng/L		05/04/18 07:53	05/14/18 18:39	1
PCB-186	ND		0.040	0.000096	ng/L		05/04/18 07:53	05/14/18 18:39	1
PCB-187	ND		0.040	0.00012	ng/L		05/04/18 07:53	05/14/18 18:39	1
PCB-188	ND		0.040	0.000092	ng/L		05/04/18 07:53	05/14/18 18:39	1
PCB-189	ND		0.040	0.00012	ng/L		05/04/18 07:53	05/14/18 18:39	1
PCB-190	ND		0.040	0.000091	ng/L		05/04/18 07:53	05/14/18 18:39	1
PCB-191	ND		0.040	0.000092	ng/L		05/04/18 07:53	05/14/18 18:39	1
PCB-192	ND		0.040	0.000098	ng/L		05/04/18 07:53	05/14/18 18:39	1
PCB-193	ND	C180	0.080	0.00011	ng/L		05/04/18 07:53	05/14/18 18:39	1
PCB-194	0.000312	J q	0.040	0.00023	ng/L		05/04/18 07:53	05/14/18 18:39	1
PCB-195	ND		0.040	0.00026	ng/L		05/04/18 07:53	05/14/18 18:39	1
PCB-196	ND		0.040	0.00022	ng/L		05/04/18 07:53	05/14/18 18:39	1
PCB-197	ND		0.040	0.00015	ng/L		05/04/18 07:53	05/14/18 18:39	1
PCB-198	ND	C	0.080	0.00024	ng/L		05/04/18 07:53	05/14/18 18:39	1
PCB-199	ND	C198	0.080	0.00024	ng/L		05/04/18 07:53	05/14/18 18:39	1
PCB-200	ND		0.040	0.00017	ng/L		05/04/18 07:53	05/14/18 18:39	1
PCB-201	ND		0.040	0.00016	ng/L		05/04/18 07:53	05/14/18 18:39	1
PCB-202	ND		0.040	0.00018	ng/L		05/04/18 07:53	05/14/18 18:39	1
PCB-203	ND		0.040	0.00021	ng/L		05/04/18 07:53	05/14/18 18:39	1

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

Lab Sample ID: MB 140-20082/18-A
Matrix: Water
Analysis Batch: 20312

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 20082

Analyte	MB Result	MB Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-204	ND		0.040	0.00017	ng/L		05/04/18 07:53	05/14/18 18:39	1
PCB-205	ND		0.040	0.00017	ng/L		05/04/18 07:53	05/14/18 18:39	1
PCB-206	ND		0.040	0.0037	ng/L		05/04/18 07:53	05/14/18 18:39	1
PCB-207	ND		0.040	0.0024	ng/L		05/04/18 07:53	05/14/18 18:39	1
PCB-208	ND		0.040	0.0026	ng/L		05/04/18 07:53	05/14/18 18:39	1
PCB-209	ND		0.040	0.00017	ng/L		05/04/18 07:53	05/14/18 18:39	1

Isotope Dilution	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
PCB-1L	*106*		*30 - 140*	*05/04/18 07:53*	*05/14/18 18:39*	*1*
PCB-3L	*105*		*30 - 140*	*05/04/18 07:53*	*05/14/18 18:39*	*1*
PCB-4L	*79*		*30 - 140*	*05/04/18 07:53*	*05/14/18 18:39*	*1*
PCB-15L	*76*		*30 - 140*	*05/04/18 07:53*	*05/14/18 18:39*	*1*
PCB-19L	*77*		*30 - 140*	*05/04/18 07:53*	*05/14/18 18:39*	*1*
PCB-37L	*80*		*30 - 140*	*05/04/18 07:53*	*05/14/18 18:39*	*1*
PCB-54L	*69*		*30 - 140*	*05/04/18 07:53*	*05/14/18 18:39*	*1*
PCB-77L	*91*		*30 - 140*	*05/04/18 07:53*	*05/14/18 18:39*	*1*
PCB-81L	*87*		*30 - 140*	*05/04/18 07:53*	*05/14/18 18:39*	*1*
PCB-104L	*73*		*30 - 140*	*05/04/18 07:53*	*05/14/18 18:39*	*1*
PCB-105L	*86*		*30 - 140*	*05/04/18 07:53*	*05/14/18 18:39*	*1*
PCB-114L	*84*		*30 - 140*	*05/04/18 07:53*	*05/14/18 18:39*	*1*
PCB-118L	*89*		*30 - 140*	*05/04/18 07:53*	*05/14/18 18:39*	*1*
PCB-123L	*87*		*30 - 140*	*05/04/18 07:53*	*05/14/18 18:39*	*1*
PCB-126L	*91*		*30 - 140*	*05/04/18 07:53*	*05/14/18 18:39*	*1*
PCB-155L	*72*		*30 - 140*	*05/04/18 07:53*	*05/14/18 18:39*	*1*
PCB-156L	*90*	*C*	*30 - 140*	*05/04/18 07:53*	*05/14/18 18:39*	*1*
PCB-157L	*90*	*C156*	*30 - 140*	*05/04/18 07:53*	*05/14/18 18:39*	*1*
PCB-167L	*88*		*30 - 140*	*05/04/18 07:53*	*05/14/18 18:39*	*1*
PCB-169L	*90*		*30 - 140*	*05/04/18 07:53*	*05/14/18 18:39*	*1*
PCB-170L	*83*		*30 - 140*	*05/04/18 07:53*	*05/14/18 18:39*	*1*
PCB-188L	*77*		*30 - 140*	*05/04/18 07:53*	*05/14/18 18:39*	*1*
PCB-189L	*101*		*30 - 140*	*05/04/18 07:53*	*05/14/18 18:39*	*1*
PCB-202L	*86*		*30 - 140*	*05/04/18 07:53*	*05/14/18 18:39*	*1*
PCB-205L	*83*		*30 - 140*	*05/04/18 07:53*	*05/14/18 18:39*	*1*
PCB-206L	*68*		*30 - 140*	*05/04/18 07:53*	*05/14/18 18:39*	*1*
PCB-208L	*68*		*30 - 140*	*05/04/18 07:53*	*05/14/18 18:39*	*1*
PCB-209L	*58*		*30 - 140*	*05/04/18 07:53*	*05/14/18 18:39*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
PCB-28L	*88*		*40 - 125*	*05/04/18 07:53*	*05/14/18 18:39*	*1*
PCB-111L	*96*		*40 - 125*	*05/04/18 07:53*	*05/14/18 18:39*	*1*
PCB-178L	*89*		*40 - 125*	*05/04/18 07:53*	*05/14/18 18:39*	*1*

Lab Sample ID: LCS 140-20082/19-A
Matrix: Water
Analysis Batch: 20312

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 20082

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1	1.00	1.38		ng/L		138	50 - 150

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

Lab Sample ID: LCS 140-20082/19-A
Matrix: Water
Analysis Batch: 20312

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 20082

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
PCB-3			1.00	1.43		ng/L		143	50 - 150		
PCB-4			1.00	1.11		ng/L		111	50 - 150		
PCB-15			1.00	1.13		ng/L		113	50 - 150		
PCB-19			1.00	1.01		ng/L		101	50 - 150		
PCB-37			1.00	0.949		ng/L		95	50 - 150		
PCB-54			1.00	1.24		ng/L		124	50 - 150		
PCB-77			1.00	1.12		ng/L		112	50 - 150		
PCB-81			1.00	1.16		ng/L		116	50 - 150		
PCB-104			1.00	1.13		ng/L		113	50 - 150		
PCB-105			1.00	1.04		ng/L		104	50 - 150		
PCB-114			1.00	1.08		ng/L		108	50 - 150		
PCB-118			1.00	1.09		ng/L		109	50 - 150		
PCB-123			1.00	1.05		ng/L		105	50 - 150		
PCB-126			1.00	1.06		ng/L		106	50 - 150		
PCB-155			1.00	1.12		ng/L		112	50 - 150		
PCB-156			2.00	2.14	C	ng/L		107	50 - 150		
PCB-157			2.00	2.14	C156	ng/L		107	50 - 150		
PCB-167			1.00	1.08		ng/L		108	50 - 150		
PCB-169			1.00	1.05		ng/L		105	50 - 150		
PCB-188			1.00	1.10		ng/L		110	50 - 150		
PCB-189			1.00	0.950		ng/L		95	50 - 150		
PCB-202			1.00	0.921		ng/L		92	50 - 150		
PCB-205			1.00	1.03		ng/L		103	50 - 150		
PCB-206			1.00	0.982		ng/L		98	50 - 150		
PCB-208			1.00	0.957		ng/L		96	50 - 150		
PCB-209			1.00	0.911		ng/L		91	50 - 150		

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
PCB-1L	*99*		*30 - 140*
PCB-3L	*94*		*30 - 140*
PCB-4L	*79*		*30 - 140*
PCB-15L	*74*		*30 - 140*
PCB-19L	*75*		*30 - 140*
PCB-37L	*78*		*30 - 140*
PCB-54L	*69*		*30 - 140*
PCB-77L	*80*		*30 - 140*
PCB-81L	*77*		*30 - 140*
PCB-104L	*78*		*30 - 140*
PCB-105L	*81*		*30 - 140*
PCB-114L	*78*		*30 - 140*
PCB-118L	*82*		*30 - 140*
PCB-123L	*82*		*30 - 140*
PCB-126L	*83*		*30 - 140*
PCB-155L	*73*		*30 - 140*
PCB-156L	*78*	*C*	*30 - 140*
PCB-157L	*78*	*C156*	*30 - 140*
PCB-167L	*78*		*30 - 140*
PCB-169L	*77*		*30 - 140*

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

Lab Sample ID: LCS 140-20082/19-A
Matrix: Water
Analysis Batch: 20312

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 20082

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
PCB-170L	*78*		*30 - 140*
PCB-188L	*78*		*30 - 140*
PCB-189L	*88*		*30 - 140*
PCB-202L	*80*		*30 - 140*
PCB-205L	*74*		*30 - 140*
PCB-206L	*62*		*30 - 140*
PCB-208L	*66*		*30 - 140*
PCB-209L	*52*		*30 - 140*

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
PCB-28L	*79*		*40 - 125*
PCB-111L	*89*		*40 - 125*
PCB-178L	*85*		*40 - 125*

Lab Sample ID: LCSD 140-20082/20-A
Matrix: Water
Analysis Batch: 20312

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 20082

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
PCB-1			1.00	1.36		ng/L		136	50 - 150	2	50
PCB-3			1.00	1.37		ng/L		137	50 - 150	4	50
PCB-4			1.00	1.15		ng/L		115	50 - 150	3	50
PCB-15			1.00	1.06		ng/L		106	50 - 150	7	50
PCB-19			1.00	1.01		ng/L		101	50 - 150	0	50
PCB-37			1.00	0.933		ng/L		93	50 - 150	2	50
PCB-54			1.00	1.29		ng/L		129	50 - 150	4	50
PCB-77			1.00	1.10		ng/L		110	50 - 150	2	50
PCB-81			1.00	1.07		ng/L		107	50 - 150	8	50
PCB-104			1.00	0.997		ng/L		100	50 - 150	12	50
PCB-105			1.00	1.00		ng/L		100	50 - 150	4	50
PCB-114			1.00	1.04		ng/L		104	50 - 150	4	50
PCB-118			1.00	1.07		ng/L		107	50 - 150	2	50
PCB-123			1.00	1.02		ng/L		102	50 - 150	2	50
PCB-126			1.00	1.03		ng/L		103	50 - 150	3	50
PCB-155			1.00	0.944		ng/L		94	50 - 150	17	50
PCB-156			2.00	2.10	C	ng/L		105	50 - 150	2	50
PCB-157			2.00	2.10	C156	ng/L		105	50 - 150	2	50
PCB-167			1.00	1.08		ng/L		108	50 - 150	0	50
PCB-169			1.00	1.04		ng/L		104	50 - 150	1	50
PCB-188			1.00	0.982		ng/L		98	50 - 150	11	50
PCB-189			1.00	0.913		ng/L		91	50 - 150	4	50
PCB-202			1.00	0.843		ng/L		84	50 - 150	9	50
PCB-205			1.00	0.949		ng/L		95	50 - 150	8	50
PCB-206			1.00	0.939		ng/L		94	50 - 150	4	50
PCB-208			1.00	0.911		ng/L		91	50 - 150	5	50
PCB-209			1.00	0.827		ng/L		83	50 - 150	10	50

Isotope Dilution	LCSD %Recovery	LCSD Qualifier	Limits
PCB-1L	93		30 - 140
PCB-3L	92		30 - 140
PCB-4L	74		30 - 140
PCB-15L	77		30 - 140
PCB-19L	77		30 - 140
PCB-37L	79		30 - 140
PCB-54L	68		30 - 140
PCB-77L	83		30 - 140
PCB-81L	83		30 - 140
PCB-104L	84		30 - 140
PCB-105L	86		30 - 140
PCB-114L	84		30 - 140
PCB-118L	87		30 - 140
PCB-123L	87		30 - 140
PCB-126L	88		30 - 140
PCB-155L	85		30 - 140
PCB-156L	82	C	30 - 140
PCB-157L	82	C156	30 - 140
PCB-167L	83		30 - 140
PCB-169L	83		30 - 140
PCB-170L	85		30 - 140
PCB-188L	86		30 - 140
PCB-189L	97		30 - 140
PCB-202L	89		30 - 140
PCB-205L	81		30 - 140
PCB-206L	67		30 - 140
PCB-208L	72		30 - 140
PCB-209L	57		30 - 140

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
PCB-28L	88		40 - 125
PCB-111L	98		40 - 125
PCB-178L	95		40 - 125

Lab Chronicle

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

TestAmerica Job ID: 580-76755-3

Client Sample ID: PDI-SG-B206-BL1
Lab Sample ID: 580-76755-1
Date Collected: 04/18/18 10:11
Matrix: Solid
Date Received: 04/20/18 13:00
Percent Solids: 43.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	HRMS-Sox			19882	04/27/18 08:13	BRS	TAL KNX
Total/NA	Cleanup	Split			19994	05/01/18 14:22	SMM	TAL KNX
Total/NA	Analysis	1668A		1	20133	05/08/18 03:15	PMP	TAL KNX

Client Sample ID: PDI-SG-B212-BL1
Lab Sample ID: 580-76755-2
Date Collected: 04/18/18 11:08
Matrix: Solid
Date Received: 04/20/18 13:00
Percent Solids: 41.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	HRMS-Sox			19882	04/27/18 08:13	BRS	TAL KNX
Total/NA	Cleanup	Split			19994	05/01/18 14:22	SMM	TAL KNX
Total/NA	Analysis	1668A		1	20133	05/08/18 04:18	PMP	TAL KNX

Client Sample ID: PDI-SG-B220-BL1
Lab Sample ID: 580-76755-3
Date Collected: 04/18/18 12:08
Matrix: Solid
Date Received: 04/20/18 13:00
Percent Solids: 55.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	HRMS-Sox			19882	04/27/18 08:13	BRS	TAL KNX
Total/NA	Cleanup	Split			19994	05/01/18 14:22	SMM	TAL KNX
Total/NA	Analysis	1668A		1	20133	05/08/18 05:22	PMP	TAL KNX

Client Sample ID: PDI-SG-B228-BL1
Lab Sample ID: 580-76755-4
Date Collected: 04/18/18 13:37
Matrix: Solid
Date Received: 04/20/18 13:00
Percent Solids: 48.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	HRMS-Sox			19882	04/27/18 08:13	BRS	TAL KNX
Total/NA	Cleanup	Split			19994	05/01/18 14:22	SMM	TAL KNX
Total/NA	Analysis	1668A		1	20133	05/08/18 06:25	PMP	TAL KNX

Client Sample ID: PDI-SG-B242-BL1
Lab Sample ID: 580-76755-5
Date Collected: 04/18/18 14:27
Matrix: Solid
Date Received: 04/20/18 13:00
Percent Solids: 45.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	HRMS-Sox			19882	04/27/18 08:13	BRS	TAL KNX
Total/NA	Cleanup	Split			19994	05/01/18 14:22	SMM	TAL KNX
Total/NA	Analysis	1668A		1	20133	05/08/18 07:29	PMP	TAL KNX

Lab Chronicle

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

TestAmerica Job ID: 580-76755-3

Client Sample ID: PDI-SG-B250-BL1

Lab Sample ID: 580-76755-6
Date Collected: 04/18/18 15:20
Matrix: Solid
Date Received: 04/20/18 13:00
Percent Solids: 44.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	HRMS-Sox			19882	04/27/18 08:13	BRS	TAL KNX
Total/NA	Cleanup	Split			19994	05/01/18 14:22	SMM	TAL KNX
Total/NA	Analysis	1668A		1	20161	05/08/18 15:47	MSD	TAL KNX

Client Sample ID: PDI-SG-B256-BL1

Lab Sample ID: 580-76755-7
Date Collected: 04/18/18 16:12
Matrix: Solid
Date Received: 04/20/18 13:00
Percent Solids: 41.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	HRMS-Sox			19882	04/27/18 08:13	BRS	TAL KNX
Total/NA	Cleanup	Split			19994	05/01/18 14:22	SMM	TAL KNX
Total/NA	Analysis	1668A		1	20161	05/08/18 16:50	MSD	TAL KNX

Client Sample ID: PDI-SG-B267-BL1

Lab Sample ID: 580-76755-8
Date Collected: 04/18/18 17:00
Matrix: Solid
Date Received: 04/20/18 13:00
Percent Solids: 39.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	HRMS-Sox			19882	04/27/18 08:13	BRS	TAL KNX
Total/NA	Cleanup	Split			19994	05/01/18 14:22	SMM	TAL KNX
Total/NA	Analysis	1668A		1	20161	05/08/18 17:54	MSD	TAL KNX

Client Sample ID: PDI-SG-B180-BL1

Lab Sample ID: 580-76755-9
Date Collected: 04/18/18 09:50
Matrix: Solid
Date Received: 04/20/18 13:00
Percent Solids: 65.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	HRMS-Sox			19882	04/27/18 08:13	BRS	TAL KNX
Total/NA	Cleanup	Split			19994	05/01/18 14:22	SMM	TAL KNX
Total/NA	Analysis	1668A		1	20161	05/08/18 18:57	MSD	TAL KNX

Client Sample ID: PDI-SG-B184-BL1

Lab Sample ID: 580-76755-10
Date Collected: 04/18/18 11:05
Matrix: Solid
Date Received: 04/20/18 13:00
Percent Solids: 72.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	HRMS-Sox			19882	04/27/18 08:13	BRS	TAL KNX
Total/NA	Cleanup	Split			19994	05/01/18 14:22	SMM	TAL KNX
Total/NA	Analysis	1668A		1	20161	05/08/18 20:01	MSD	TAL KNX

Lab Chronicle

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

TestAmerica Job ID: 580-76755-3

Client Sample ID: PDI-SG-B177-BL1

Lab Sample ID: 580-76755-11
Date Collected: 04/18/18 12:10
Matrix: Solid
Date Received: 04/20/18 13:00
Percent Solids: 73.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	HRMS-Sox			19882	04/27/18 08:13	BRS	TAL KNX
Total/NA	Cleanup	Split			19994	05/01/18 14:22	SMM	TAL KNX
Total/NA	Analysis	1668A		1	20183	05/09/18 05:01	PMP	TAL KNX

Client Sample ID: PDI-SG-B185-BL1

Lab Sample ID: 580-76755-12
Date Collected: 04/18/18 13:55
Matrix: Solid
Date Received: 04/20/18 13:00
Percent Solids: 70.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	HRMS-Sox			19882	04/27/18 08:13	BRS	TAL KNX
Total/NA	Cleanup	Split			19994	05/01/18 14:22	SMM	TAL KNX
Total/NA	Analysis	1668A		1	20183	05/09/18 06:05	PMP	TAL KNX

Client Sample ID: PDI-SG-B190-BL1

Lab Sample ID: 580-76755-13
Date Collected: 04/18/18 15:20
Matrix: Solid
Date Received: 04/20/18 13:00
Percent Solids: 73.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	HRMS-Sox			19882	04/27/18 08:13	BRS	TAL KNX
Total/NA	Cleanup	Split			19994	05/01/18 14:22	SMM	TAL KNX
Total/NA	Analysis	1668A		1	20183	05/09/18 07:09	PMP	TAL KNX

Client Sample ID: PDI-SG-B205-BL1

Lab Sample ID: 580-76755-14
Date Collected: 04/19/18 10:20
Matrix: Solid
Date Received: 04/20/18 13:00
Percent Solids: 67.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	HRMS-Sox			19941	04/30/18 09:30	BRS	TAL KNX
Total/NA	Cleanup	Split			19996	05/01/18 14:40	SMM	TAL KNX
Total/NA	Analysis	1668A		5	20235	05/10/18 15:15	JMN	TAL KNX

Client Sample ID: PDI-SG-B213-BL1

Lab Sample ID: 580-76755-15
Date Collected: 04/19/18 11:10
Matrix: Solid
Date Received: 04/20/18 13:00
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			19941	04/30/18 09:30	BRS	TAL KNX
Total/NA	Cleanup	Split			19996	05/01/18 14:40	SMM	TAL KNX
Total/NA	Analysis	1668A		5	20235	05/10/18 16:17	JMN	TAL KNX

Lab Chronicle

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

TestAmerica Job ID: 580-76755-3

Client Sample ID: PDI-SG-B216-BL1

Lab Sample ID: 580-76755-16
Date Collected: 04/19/18 12:15
Matrix: Solid
Date Received: 04/20/18 13:00
Percent Solids: 59.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	HRMS-Sox			19935	04/30/18 11:50	CLI	TAL KNX
Total/NA	Cleanup	Split			19995	05/01/18 14:38	SMM	TAL KNX
Total/NA	Analysis	1668A		1	20183	05/09/18 08:12	PMP	TAL KNX

Client Sample ID: PDI-SG-B218-BL1

Lab Sample ID: 580-76755-17
Date Collected: 04/19/18 14:20
Matrix: Solid
Date Received: 04/20/18 13:00
Percent Solids: 43.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	HRMS-Sox			19935	04/30/18 11:50	CLI	TAL KNX
Total/NA	Cleanup	Split			19995	05/01/18 14:38	SMM	TAL KNX
Total/NA	Analysis	1668A		5	20207	05/09/18 18:34	MSD	TAL KNX

Client Sample ID: PDI-SG-B219-BL1

Lab Sample ID: 580-76755-18
Date Collected: 04/19/18 15:10
Matrix: Solid
Date Received: 04/20/18 13:00
Percent Solids: 50.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	HRMS-Sox			19935	04/30/18 11:50	CLI	TAL KNX
Total/NA	Cleanup	Split			19995	05/01/18 14:38	SMM	TAL KNX
Total/NA	Analysis	1668A		1	20183	05/09/18 10:20	PMP	TAL KNX

Client Sample ID: PDI-SG-B219-BL1-D

Lab Sample ID: 580-76755-19
Date Collected: 04/19/18 15:15
Matrix: Solid
Date Received: 04/20/18 13:00
Percent Solids: 52.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	HRMS-Sox			19935	04/30/18 11:50	CLI	TAL KNX
Total/NA	Cleanup	Split			19995	05/01/18 14:38	SMM	TAL KNX
Total/NA	Analysis	1668A		1	20183	05/09/18 11:23	PMP	TAL KNX

Client Sample ID: PDI-SG-B223-BL1

Lab Sample ID: 580-76755-20
Date Collected: 04/19/18 16:15
Matrix: Solid
Date Received: 04/20/18 13:00
Percent Solids: 44.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	HRMS-Sox			19935	04/30/18 11:50	CLI	TAL KNX
Total/NA	Cleanup	Split			19995	05/01/18 14:38	SMM	TAL KNX
Total/NA	Analysis	1668A		1	20207	05/09/18 19:38	MSD	TAL KNX

Client Sample ID: PDI-SG-B224-BL1

Lab Sample ID: 580-76755-21
Date Collected: 04/19/18 16:20
Matrix: Solid
Date Received: 04/20/18 13:00
Percent Solids: 42.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	HRMS-Sox			19935	04/30/18 11:50	CLI	TAL KNX
Total/NA	Cleanup	Split			19995	05/01/18 14:38	SMM	TAL KNX
Total/NA	Analysis	1668A		1	20207	05/09/18 20:41	MSD	TAL KNX

Client Sample ID: PDI-SG-B221-BL1

Lab Sample ID: 580-76755-22
Date Collected: 04/19/18 15:24
Matrix: Solid
Date Received: 04/20/18 13:00
Percent Solids: 41.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	HRMS-Sox			19935	04/30/18 11:50	CLI	TAL KNX
Total/NA	Cleanup	Split			19995	05/01/18 14:38	SMM	TAL KNX
Total/NA	Analysis	1668A		1	20207	05/09/18 21:45	MSD	TAL KNX

Client Sample ID: PDI-SG-B204-BL1

Lab Sample ID: 580-76755-23
Date Collected: 04/19/18 14:05
Matrix: Solid
Date Received: 04/20/18 13:00
Percent Solids: 41.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	HRMS-Sox			19935	04/30/18 11:50	CLI	TAL KNX
Total/NA	Cleanup	Split			19995	05/01/18 14:38	SMM	TAL KNX
Total/NA	Analysis	1668A		1	20207	05/09/18 22:49	MSD	TAL KNX

Client Sample ID: PDI-SG-B203-BL1

Lab Sample ID: 580-76755-24
Date Collected: 04/19/18 12:30
Matrix: Solid
Date Received: 04/20/18 13:00
Percent Solids: 42.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	HRMS-Sox			19935	04/30/18 11:50	CLI	TAL KNX
Total/NA	Cleanup	Split			19995	05/01/18 14:38	SMM	TAL KNX
Total/NA	Analysis	1668A		1	20238	05/10/18 16:04	MSD	TAL KNX

Client Sample ID: PDI-SG-B200-BL1

Lab Sample ID: 580-76755-25
Date Collected: 04/19/18 11:30
Matrix: Solid
Date Received: 04/20/18 13:00
Percent Solids: 49.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	HRMS-Sox			19935	04/30/18 11:50	CLI	TAL KNX
Total/NA	Cleanup	Split			19995	05/01/18 14:38	SMM	TAL KNX
Total/NA	Analysis	1668A		1	20238	05/10/18 17:07	MSD	TAL KNX

Lab Chronicle

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

TestAmerica Job ID: 580-76755-3

Client Sample ID: PDI-SG-B197-BL1

Lab Sample ID: 580-76755-26
Date Collected: 04/19/18 10:40
Matrix: Solid
Date Received: 04/20/18 13:00
Percent Solids: 61.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	HRMS-Sox			19935	04/30/18 11:50	CLI	TAL KNX
Total/NA	Cleanup	Split			19995	05/01/18 14:38	SMM	TAL KNX
Total/NA	Analysis	1668A		1	20238	05/10/18 18:11	MSD	TAL KNX

Client Sample ID: PDI-SG-B195-BL1

Lab Sample ID: 580-76755-27
Date Collected: 04/19/18 09:52
Matrix: Solid
Date Received: 04/20/18 13:00
Percent Solids: 62.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	HRMS-Sox			19935	04/30/18 11:50	CLI	TAL KNX
Total/NA	Cleanup	Split			19995	05/01/18 14:38	SMM	TAL KNX
Total/NA	Analysis	1668A		1	20238	05/10/18 19:14	MSD	TAL KNX

Client Sample ID: PDI-RB-VV-041918

Lab Sample ID: 580-76755-28
Date Collected: 04/19/18 17:00
Matrix: Water
Date Received: 04/20/18 13:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	HRMS-Sepf			20082	05/04/18 07:53	BRS	TAL KNX
Total/NA	Analysis	1668A		1	20312	05/14/18 19:42	LKM	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: 580-76755-3
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: 580-76755-3

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
580-76755-1	PDI-SG-B206-BL1	Solid	04/18/18 10:11	04/20/18 13:00
580-76755-2	PDI-SG-B212-BL1	Solid	04/18/18 11:08	04/20/18 13:00
580-76755-3	PDI-SG-B220-BL1	Solid	04/18/18 12:08	04/20/18 13:00
580-76755-4	PDI-SG-B228-BL1	Solid	04/18/18 13:37	04/20/18 13:00
580-76755-5	PDI-SG-B242-BL1	Solid	04/18/18 14:27	04/20/18 13:00
580-76755-6	PDI-SG-B250-BL1	Solid	04/18/18 15:20	04/20/18 13:00
580-76755-7	PDI-SG-B256-BL1	Solid	04/18/18 16:12	04/20/18 13:00
580-76755-8	PDI-SG-B267-BL1	Solid	04/18/18 17:00	04/20/18 13:00
580-76755-9	PDI-SG-B180-BL1	Solid	04/18/18 09:50	04/20/18 13:00
580-76755-10	PDI-SG-B184-BL1	Solid	04/18/18 11:05	04/20/18 13:00
580-76755-11	PDI-SG-B177-BL1	Solid	04/18/18 12:10	04/20/18 13:00
580-76755-12	PDI-SG-B185-BL1	Solid	04/18/18 13:55	04/20/18 13:00
580-76755-13	PDI-SG-B190-BL1	Solid	04/18/18 15:20	04/20/18 13:00
580-76755-14	PDI-SG-B205-BL1	Solid	04/19/18 10:20	04/20/18 13:00
580-76755-15	PDI-SG-B213-BL1	Solid	04/19/18 11:10	04/20/18 13:00
580-76755-16	PDI-SG-B216-BL1	Solid	04/19/18 12:15	04/20/18 13:00
580-76755-17	PDI-SG-B218-BL1	Solid	04/19/18 14:20	04/20/18 13:00
580-76755-18	PDI-SG-B219-BL1	Solid	04/19/18 15:10	04/20/18 13:00
580-76755-19	PDI-SG-B219-BL1-D	Solid	04/19/18 15:15	04/20/18 13:00
580-76755-20	PDI-SG-B223-BL1	Solid	04/19/18 16:15	04/20/18 13:00
580-76755-21	PDI-SG-B224-BL1	Solid	04/19/18 16:20	04/20/18 13:00
580-76755-22	PDI-SG-B221-BL1	Solid	04/19/18 15:24	04/20/18 13:00
580-76755-23	PDI-SG-B204-BL1	Solid	04/19/18 14:05	04/20/18 13:00
580-76755-24	PDI-SG-B203-BL1	Solid	04/19/18 12:30	04/20/18 13:00
580-76755-25	PDI-SG-B200-BL1	Solid	04/19/18 11:30	04/20/18 13:00
580-76755-26	PDI-SG-B197-BL1	Solid	04/19/18 10:40	04/20/18 13:00
580-76755-27	PDI-SG-B195-BL1	Solid	04/19/18 09:52	04/20/18 13:00
580-76755-28	PDI-RB-VV-041918	Water	04/19/18 17:00	04/20/18 13:00

580-76755 Chain of Custody

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 / Michaela McCoog** **Laboratory Contact: Elaine-Walker**	**4/20/2018** **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				

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	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-B206-BL1	4/18/2018	10:11	SE		AM	6		X	X	X	X	X	X						
PDI-SG-B212-BL1	4/18/2018	11:08	SE		AM	6		X	X	X	X	X	X						
PDI-SG-B220-BL1	4/18/2018	12:08	SE		AM	6		X	X	X	X	X	X						
PDI-SG-B228-BL1	4/18/2018	13:37	SE		AM	6		X	X	X	X	X	X						
PDI-SG-B242-BL1	4/18/2018	14:27	SE		AM	6		X	X	X	X	X	X						
PDI-SG-B250-BL1	4/18/2018	15:20	SE		AM	6		X	X	X	X	X	X						
PDI-SG-B256-BL1	4/18/2018	16:12	SE		AM	6		X	X	X	X	X	X						
PDI-SG-B267-BL1	4/18/2018	17:00	SE		AM	6		X	X	X	X	X	X						
PDI-SG-B180-BL1	4/18/2018	9:50	SE	MS/MSD	MT	8 11		X	X	X	X	X	X						ONLY 2 TOC jars
PDI-SG-B184-BL1	4/18/2018	11:05	SE		MT	6		X	X	X	X	X	X						
PDI-SG-B177-BL1	4/18/2018	12:10	SE		MT	6		X	X	X	X	X	X						
PDI-SG-B185-BL1	4/18/2018	13:55	SE		MT	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

1.7, 1.1, 1.3, 0.2, 2.3, 1.1

Relinquished by:	Company: AECOM	Date/Time: 4/20/18 1223	Received by:	Company: M.E.	Date/Time: 4/20/18 1223
Relinquished by:	Company: M.E.	Date/Time: 4/20/18 1300	Received by:	Company: TAPOR	Date/Time: 4/20/18 1300
Relinquished by:	Company: TAPOR	Date/Time: 4/20/18 1700	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	Site Contact: Jennifer Ray / Michaela McCoog Laboratory Contact: Elaine-Walker	4/20/2018 Carrier: Courier	COC No: 2 of 3 COC's
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	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-B190-BL1	4/18/2018	15:20	SE		LS	6		X	X	X	X	X	X						
PDI-SG-B205-BL1	4/19/2018	10:20	SE		AM	6		X	X	X	X	X	X						
PDI-SG-B213-BL1	4/19/2018	11:10	SE		AM	6		X	X	X	X	X	X						
PDI-SG-B216-BL1	4/19/2018	12:15	SE		AM	6		X	X	X	X	X	X						
PDI-SG-B218-BL1	4/19/2018	14:20	SE		AM	6		X	X	X	X	X	X						
PDI-SG-B219-BL1	4/19/2018	15:10	SE		AM	6		X	X	X	X	X	X						
PDI-SG-B219-BL1-D	4/19/2018	15:15	SE		AM	5		X	X	X		X	X						
PDI-SG-B223-BL1	4/19/2018	16:15	SE		AM	5		X	X	X	X	X							
PDI-SG-B224-BL1	4/19/2018	16:20	SE		LS	6		X	X	X	X	X	X						
PDI-SG-B221-BL1	4/19/2018	15:24	SE		LS	6		X	X	X	X	X	X						
PDI-SG-B204-BL1	4/19/2018	14:05	SE		LS	6		X	X	X	X	X	X						
PDI-SG-B203-BL1	4/19/2018	12:30	SE		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: 4/20/18 1223	Received by:	Company: M.E.	Date/Time: 4/20/18 1223
Relinquished by:	Company: M.E.	Date/Time: 4/20/18 1300	Received by:	Company: TAPOR	Date/Time: 4/20/18 1300
Relinquished by:	Company: TAPOR	Date/Time: 4/20/18 1700	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	Site Contact: Jennifer Ray / Michaela McCoog Laboratory Contact: Elaine-Walker	4/20/2018 Carrier: Courier

Client Contact	Analysis Turnaround Time	COC No:
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	Calendar (C) or Work Days (W) _____ [x] 21 days [ ] Other _____	3 of 3 COCs

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	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-B200-BL1	4/19/2018	11:30	SE		LS	6		X	X	X	X	X	X						
PDI-SG-B197-BL1	4/19/2018	10:40	SE		LS	6		X	X	X	X	X	X						
PDI-SG-B195-BL1	4/19/2018	9:52	SE		LS	6		X	X	X	X	X	X						
PDI-RB-VV-041918	4/19/2018	17:00	W		LS	8								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:	Date/Time:	Received by:	Company:	Date/Time:
	AECOM	4/20/18 1223		M. E.	4/20/18 1223
	M.E.	4/20/18 1300		TAPOA	4/20/18 1300
	TAPOA	4/20/18 1700			

580-76755 Chain of Custody

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)	**Site Contact: Jennifer Ray / Michaela McCoog** **Laboratory Contact: Elaine-Walker** **Carrier: Courier**
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	[x] 21 days [ ] Other _____	**4/20/2018** COC No: 1 of 3 COCs

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	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-B206-BL1	4/18/2018	10:11	SE		AM	6		X	X	X	X	X	X						
PDI-SG-B212-BL1	4/18/2018	11:08	SE		AM	6		X	X	X	X	X	X						
PDI-SG-B220-BL1	4/18/2018	12:08	SE		AM	6		X	X	X	X	X	X						
PDI-SG-B228-BL1	4/18/2018	13:37	SE		AM	6		X	X	X	X	X	X						
PDI-SG-B242-BL1	4/18/2018	14:27	SE		AM	6		X	X	X	X	X	X						
PDI-SG-B250-BL1	4/18/2018	15:20	SE		AM	6		X	X	X	X	X	X						
PDI-SG-B256-BL1	4/18/2018	16:12	SE		AM	6		X	X	X	X	X	X						
PDI-SG-B267-BL1	4/18/2018	17:00	SE		AM	6		X	X	X	X	X	X						
PDI-SG-B180-BL1	4/18/2018	9:50	SE	MS/MSD	MT	8 11		X	X	X	X	X	X						ONLY 2 TOC jars
PDI-SG-B184-BL1	4/18/2018	11:05	SE		MT	6		X	X	X	X	X	X						
PDI-SG-B177-BL1	4/18/2018	12:10	SE		MT	6		X	X	X	X	X	X						
PDI-SG-B185-BL1	4/18/2018	13:55	SE		MT	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

1.07, 1.01, 1.03, 0.2, 23, 1.61

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
	AECOM	4/20/18 1223		M.E.	4/20 18 1223
	M.E.	4/20/18 1300		TAPOR	4/20/18 1300
	TAPOR	4/20/18 1700	B. Hall	SEA TA	4.21.18 0930

IRS = 0.2/0.1 U/C.J.
IRS = 0.5/0.4 U/C.J.
IRS = 0.3/0.2 U/C.J.

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)	**Site Contact: Jennifer Ray / Michaela McCoog** **Laboratory Contact: Elaine-Walker**	**4/20/2018** **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

[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	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-B190-BL1	4/18/2018	15:20	SE		LS	6		X	X	X	X	X	X						
PDI-SG-B205-BL1	4/19/2018	10:20	SE		AM	6		X	X	X	X	X	X						
PDI-SG-B213-BL1	4/19/2018	11:10	SE		AM	6		X	X	X	X	X	X						
PDI-SG-B216-BL1	4/19/2018	12:15	SE		AM	6		X	X	X	X	X	X						
PDI-SG-B218-BL1	4/19/2018	14:20	SE		AM	6		X	X	X	X	X	X						
PDI-SG-B219-BL1	4/19/2018	15:10	SE		AM	6		X	X	X	X	X	X						
PDI-SG-B219-BL1-D	4/19/2018	15:15	SE		AM	5		X	X	X		X	X						
PDI-SG-B223-BL1	4/19/2018	16:15	SE		AM	5		X	X	X	X	X							
PDI-SG-B224-BL1	4/19/2018	16:20	SE		LS	6		X	X	X	X	X	X						
PDI-SG-B221-BL1	4/19/2018	15:24	SE		LS	6		X	X	X	X	X	X						
PDI-SG-B204-BL1	4/19/2018	14:05	SE		LS	6		X	X	X	X	X	X						
PDI-SG-B203-BL1	4/19/2018	12:30	SE		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: 4/20/18 1223	Received by:	Company: M.E.	Date/Time: 4/20/18 1223
Relinquished by:	Company: M.E.	Date/Time: 4/20/18 1300	Received by:	Company: TAPOR	Date/Time: 4/20/18 1300
Relinquished by:	Company: TAPOR	Date/Time: 4/20/18 1700	Received by: B. Gyd	Company: SRA TA	Date/Time: 4-21-18 0930

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)	**Site Contact: Jennifer Ray / Michaela McCoog** **Laboratory Contact: Elaine-Walker**	**4/20/2018** COC No **Carrier: Courier** 3 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	[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	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-B200-BL1	4/19/2018	11:30	SE		LS	6		X	X	X	X	X	X						
PDI-SG-B197-BL1	4/19/2018	10:40	SE		LS	6		X	X	X	X	X	X						
PDI-SG-B195-BL1	4/19/2018	9:52	SE		LS	6		X	X	X	X	X	X						
PDI-RB-VV-041918	4/19/2018	17:00	W		LS	8								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: 4/20/18 1223	Received by:	Company: M.E.	Date/Time: 4/20/18 1223
Relinquished by:	Company: M.E.	Date/Time: 4/20/18 1300	Received by:	Company: TAPOR	Date/Time: 4/20/18 1300
Relinquished by:	Company: TAPOR	Date/Time: 4/20/18 1700	Received by: B. Hall B. Call	Company: SEA TM	Date/Time: 4/21/18 0930

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: 580-54780.1
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 #: 580-76755-3
Address: 5815 Middlebrook Pike, ,	Due Date Requested: 5/9/2018			
City: Knoxville	TAT Requested (days):			
State, Zip: TN, 37921				
Phone: 865-291-3000(Tel) 865-584-4315(Fax)	PO #:			
Email:	WO #:			
Project Name: Portland Harbor Pre-Remedial Design	Project #: 58012120			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

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:

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)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	1668A/1668_P_Sox 209 PCBs plus Totals	1668A/1668_Split 209 PCBs plus Totals	Screen_1668/Screen_PCB_P_S	1668A/1668_P_Sep 209 PCBs plus Totals	Total Number of containers	Special Instructions/Note:
Preservation Code:												
PDI-SG-B206-BL1 (580-76755-1)	4/18/18	10:11 Pacific		Solid			X	X	X		1	CUSTODY SEALS INTACT
PDI-SG-B212-BL1 (580-76755-2)	4/18/18	11:08 Pacific		Solid			X	X	X		1	RECEIVED AT RT 0.3/CT 0.2°
PDI-SG-B220-BL1 (580-76755-3)	4/18/18	12:08 Pacific		Solid			X	X	X		1	DKD 4-25-18
PDI-SG-B228-BL1 (580-76755-4)	4/18/18	13:37 Pacific		Solid			X	X	X		1	1 COOLER FEDEX #
PDI-SG-B242-BL1 (580-76755-5)	4/18/18	14:27 Pacific		Solid			X	X	X		1	423659230936 PD
PDI-SG-B250-BL1 (580-76755-6)	4/18/18	15:20 Pacific		Solid			X	X	X		1	
PDI-SG-B256-BL1 (580-76755-7)	4/18/18	16:12 Pacific		Solid			X	X	X		1	
PDI-SG-B267-BL1 (580-76755-8)	4/18/18	17:00 Pacific		Solid			X	X	X		1	
PDI-SG-B180-BL1 (580-76755-9)	4/18/18	09:50 Pacific		Solid			X	X	X		1	

580-76755 Chain of Custody

Note: Since laboratory accreditations are subject to change, TestAmerica Laboratories, Inc. places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample s 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 change Laboratories, Inc. attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to TestAmerica Laboratories, Inc.

Possible Hazard Identification	*Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*
Unconfirmed	☐ *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:	Company	Received by:	Date/Time:	Company
1		4/23/18 1500	TA		4-25-18 09:50	DA FedEx
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ 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: 580-54780.2
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 #: 580-76755-3
Address: 5815 Middlebrook Pike, ,	Due Date Requested: 5/9/2018			
City: Knoxville	TAT Requested (days):			
State, Zip: TN, 37921				
Phone: 865-291-3000(Tel) 865-584-4315(Fax)	PO #:			
Email:	WO #:			
Project Name: Portland Harbor Pre-Remedial Design	Project #: 58012120			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

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)

Other:

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)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	1668A/1668_P_Sox 209 PCBs plus Totals	1668A/1668_Split 209 PCBs plus Totals	Screen_1668/Screen_PCB_P_S	1668A/1668_P_Sep 209 PCBs plus Totals	Total Number of containers	Special Instructions/Note:
			Preservation Code:									
PDI-SG-B184-BL1 (580-76755-10)	4/18/18	11:05 Pacific		Solid			X	X	X		1	
PDI-SG-B177-BL1 (580-76755-11)	4/18/18	12:10 Pacific		Solid			X	X	X		1	
PDI-SG-B185-BL1 (580-76755-12)	4/18/18	13:55 Pacific		Solid			X	X	X		1	
PDI-SG-B190-BL1 (580-76755-13)	4/18/18	15:20 Pacific		Solid			X	X	X		1	
PDI-SG-B205-BL1 (580-76755-14)	4/19/18	10:20 Pacific		Solid			X	X	X		1	
PDI-SG-B213-BL1 (580-76755-15)	4/19/18	11:10 Pacific		Solid			X	X	X		1	
PDI-SG-B216-BL1 (580-76755-16)	4/19/18	12:15 Pacific		Solid			X	X	X		1	
PDI-SG-B218-BL1 (580-76755-17)	4/19/18	14:20 Pacific		Solid			X	X	X		1	
PDI-SG-B219-BL1 (580-76755-18)	4/19/18	15:10 Pacific		Solid			X	X	X		1	

Note: Since laboratory accreditations are subject to change, TestAmerica Laboratories, Inc. places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. I

Possible Hazard Identification	*Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*
Unconfirmed	☐ *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:	Company	Received by:	Date/Time:	Company
	4/23/18 1500	TA Por		4-25-18 09:30	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: Δ Yes Δ 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: 580-54780.3
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 #: 580-76755-3
Address: 5815 Middlebrook Pike, ,	Due Date Requested: 5/9/2018			
City: Knoxville	TAT Requested (days):			
State, Zip: TN, 37921				
Phone: 865-291-3000(Tel) 865-584-4315(Fax)	PO #:			
Email:	WO #:			
Project Name: Portland Harbor Pre-Remedial Design	Project #: 58012120			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

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:

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)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	1668A/1668_P_Sox 209 PCBs plus Totals	1668A/1668_Split 209 PCBs plus Totals	Screen_1668/Screen_PCB_P_S	1668A/1668_P_Sep 209 PCBs plus Totals	Total Number of containers	Special Instructions/Note:
Preservation Code:												
PDI-SG-B219-BL1-D (580-76755-19)	4/19/18	15:15 Pacific		Solid			X	X	X		1	
PDI-SG-B223-BL1 (580-76755-20)	4/19/18	16:15 Pacific		Solid			X	X	X		1	
PDI-SG-B224-BL1 (580-76755-21)	4/19/18	16:20 Pacific		Solid			X	X	X		1	
PDI-SG-B221-BL1 (580-76755-22)	4/19/18	15:24 Pacific		Solid			X	X	X		1	
PDI-SG-B204-BL1 (580-76755-23)	4/19/18	14:05 Pacific		Solid			X	X	X		1	
PDI-SG-B203-BL1 (580-76755-24)	4/19/18	12:30 Pacific		Solid			X	X	X		1	
PDI-SG-B200-BL1 (580-76755-25)	4/19/18	11:30 Pacific		Solid			X	X	X		1	
PDI-SG-B197-BL1 (580-76755-26)	4/19/18	10:40 Pacific		Solid			X	X	X		1	
PDI-SG-B195-BL1 (580-76755-27)	4/19/18	09:52 Pacific		Solid			X	X	X		1	

Note: Since laboratory accreditations are subject to change, TestAmerica Laboratories, Inc. places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody.

Possible Hazard Identification	*Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*
Unconfirmed	☐ *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:	Company	Received by:	Date/Time:	Company
1	[signature]	4/23/18 1500	TA-POR	[signature]	4-25-18 09:50	TA KNX
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ 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: 580-54780.4
Client Contact: Shipping/Receiving	Phone:	E-Mail: elaine.walker@testamericainc.com	State of Origin: Oregon	Page: Page 4 of 4
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note):		Job #: 580-76755-3
Address: 5815 Middlebrook Pike, ,	Due Date Requested: 5/9/2018			
City: Knoxville	TAT Requested (days):			
State, Zip: TN, 37921				
Phone: 865-291-3000(Tel) 865-584-4315(Fax)	PO #:			
Email:	WO #:			
Project Name: Portland Harbor Pre-Remedial Design	Project #: 58012120			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

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:

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)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	1668A/1668_P_Sox 209 PCBs plus Totals	1668A/1668_Split 209 PCBs plus Totals	Screen_1668/Screen_PCB_P_S	1668A/1668_P_Sep 209 PCBs plus Totals	Total Number of containers	Special Instructions/Note:
			Preservation Code:									
PDI-RB-VV-041918 (580-76755-28)	4/19/18	17:00 Pacific		Water						X	2	RU/MS

Note: Since laboratory accreditations are subject to change, TestAmerica Laboratories, Inc. places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. I

Possible Hazard Identification	*Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*
Unconfirmed	☐ *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:	Company	Received by:	Date/Time:	Company
1		4/23/18 1500	TA-Pgh		4-25-18 09:50	TA-Knx
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	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

Loc: 580
76755

TESTAMERICA KNOXVILLE SAMPLE RECEIPT/CONDITION UPON RECEIPT ANOMALY CHECKLIST **Log In Number:**

Review Items	Yes	No	NA	If No, what was the problem?	Comments/Actions Taken
1. Are the shipping containers intact?	/		/	☐ **Containers, Broken**	
2. Were ambient air containers received intact?			/	☐ Checked in lab	
3. The coolers/containers custody seal if present, is it intact?	/			☐ Yes ☐ NA	
4. Is the cooler temperature within limits? (> freezing temp. of water to 6 °C, VOST: 10°C) Thermometer ID : SC67 Correction factor: -0.1°C	/			☐ **Cooler Out of Temp, Client Contacted, Proceed/Cancel** ☐ **Cooler Out of Temp, Same Day Receipt**	
5. Were all of the sample containers received intact?	✓			☐ **Containers, Broken**	
6. Were samples received in appropriate containers?	~			☐ **Containers, Improper; Client Contacted; Proceed/Cancel**	
7. Do sample container labels match COC? (IDs, Dates, Times)	/			☐ **COC & Samples Do Not Match** ☐ **COC Incorrect/Incomplete** ☐ **COC Not Received**	
8. Were all of the samples listed on the COC received?	/			☐ **Sample Received, Not on COC** ☐ **Sample on COC, Not Received**	
9. Is the date/time of sample collection noted?	/		/	☐ **COC; No Date/Time; Client Contacted**	
10. Was the sampler identified on the COC?	/		/	☐ **Sampler Not Listed on COC**	
11. Is the client and project name/# identified?	/			☐ **COC Incorrect/Incomplete**	
12. Are tests/parameters listed for each sample?	/			☐ **COC No tests on COC**	
13. Is the matrix of the samples noted?	/			☐ **COC Incorrect/Incomplete**	
14. Was COC relinquished? (Signed/Dated/Timed)	/			☐ **COC Incorrect/Incomplete**	
15. Were samples received within holding time?	/			☐ **Holding Time - Receipt**	
16. Were samples received with correct chemical preservative (excluding Encore)?			/	☐ **pH Adjusted, pH Included (See box 16A)** ☐ **Incorrect Preservative**	
17. Were VOA samples received without headspace?			/	☐ **Headspace (VOA only)**	
18. Did you check for residual chlorine, if necessary? (e.g. 1613B, 1668) Chlorine test strip lot number: 7194 2020/04	/			☐ **Residual Chlorine**	
19. For 1613B water samples is pH<9?			/	☐ If no, lab will adjust	
20. For rad samples was sample activity info. Provided?			/	☐ Project missing info	

Labeling Verified by: **Date:**

pH test strip lot number:

Box 16A: pH Preservation	Box 18A: Residual Chlorine
Preservative:	
Lot Number:	
Exp Date:	
Analyst:	
Date:	
Time:	

Project #: _____ PM Instructions: _____

Sample Receiving Associate: _____ Date: 4-25-18

QA026R30.doc, 080916

Login Sample Receipt Checklist

Client: AECOM

Job Number: 580-76755-3

Login Number: 76755
List Number: 1
Creator: Gonzales, Steve

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	

Isotope Dilution Summary

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

TestAmerica Job ID: 580-76755-3

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)
580-76755-1	PDI-SG-B206-BL1	78	77	77	89	78	84	97	87
580-76755-2	PDI-SG-B212-BL1	83	82	87	84	82	84	100	90
580-76755-3	PDI-SG-B220-BL1	86	82	84	86	80	88	95	91
580-76755-4	PDI-SG-B228-BL1	72	73	80	77	77	79	91	84
580-76755-5	PDI-SG-B242-BL1	78	78	77	83	80	85	87 q	82
580-76755-6	PDI-SG-B250-BL1	65	62	69	64	65	66	77	70
580-76755-7	PDI-SG-B256-BL1	81	72	76	83	74	81	96	85
580-76755-8	PDI-SG-B267-BL1	77	74	78	77	82	85	102	84
580-76755-9	PDI-SG-B180-BL1	84	78	80	89	77	85	104	90
580-76755-9 MS	PDI-SG-B180-BL1	76	79	78	84	75	79	98	88
580-76755-9 MSD	PDI-SG-B180-BL1	82	77	80	86	74	86	96	86
580-76755-10	PDI-SG-B184-BL1	70	68	68	76	71	80	86	82
580-76755-11	PDI-SG-B177-BL1	80	76	77	75	71	78	96	91
580-76755-12	PDI-SG-B185-BL1	75	73	78	80	77	85	96	90
580-76755-13	PDI-SG-B190-BL1	80	76	79	74	78	77	99	88
580-76755-14	PDI-SG-B205-BL1	81	86	73	80	109	92	100	89
580-76755-15	PDI-SG-B213-BL1	99	92	84	78	89	83	79	86
580-76755-16	PDI-SG-B216-BL1	82	79	78	86	75	86	104	90
580-76755-17	PDI-SG-B218-BL1	77	76	74	85	142 *	84	181 *	92
580-76755-18	PDI-SG-B219-BL1	86	79	82	83	80	86	106	92
580-76755-19	PDI-SG-B219-BL1-D	69	69	73	78	84	94	107	94
580-76755-20	PDI-SG-B223-BL1	71	75	77	76	84	85	107	92
580-76755-21	PDI-SG-B224-BL1	84	77	79	84	77	83	107	94
580-76755-22	PDI-SG-B221-BL1	76	72	79	79	84	86	107	94
580-76755-23	PDI-SG-B204-BL1	80	73	78	81	75	83	103	91
580-76755-24	PDI-SG-B203-BL1	67	71	71	74	79	86	102	92
580-76755-25	PDI-SG-B200-BL1	72	72	72	84	80	85	106	88
580-76755-26	PDI-SG-B197-BL1	70	74	76	79	81	86	102	91
580-76755-27	PDI-SG-B195-BL1	76	76	76	84	74	86	96	95
LCS 140-19882/17-B	Lab Control Sample	87	84	79	88	74	85	89	86
LCS 140-19935/17-B	Lab Control Sample	95	82	83	75	82	86	107	83
LCS 140-19941/17-B	Lab Control Sample	82	76	69	63	73	71	71	78
LCSD 140-19882/18-B	Lab Control Sample Dup	83	83	79	76	79	81	88	84
LCSD 140-19935/18-B	Lab Control Sample Dup	76	71	70	69	69	74	89	83
LCSD 140-19941/18-B	Lab Control Sample Dup	97	89	80	73	87	77	86	74
MB 140-19882/16-B	Method Blank	94	88	89	81	76	81	91	82
MB 140-19935/16-B	Method Blank	86	81	81	71	75	71	100	79
MB 140-19941/16-B	Method Blank	97	86	79	68	81	72	82	70

		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)
580-76755-1	PDI-SG-B206-BL1	84	90	86	84	86	85	87	104
580-76755-2	PDI-SG-B212-BL1	88	88	83	81	85	84	86	103
580-76755-3	PDI-SG-B220-BL1	90	91	86	84	86	85	88	101
580-76755-4	PDI-SG-B228-BL1	82	88	82	78	82	83	85	95
580-76755-5	PDI-SG-B242-BL1	83	88	85	83	85	84	86	102
580-76755-6	PDI-SG-B250-BL1	69	77	69	69	71	70	69	86
580-76755-7	PDI-SG-B256-BL1	83	85	80	78	79	80	83	97
580-76755-8	PDI-SG-B267-BL1	83	91	84	83	88	87	85	99

Isotope Dilution Summary

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

TestAmerica Job ID: 580-76755-3

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	PCB81L (30-140)	PCB104L (30-140)	PCB105L (30-140)	P114L (30-140)	PCB118L (30-140)	PCB123L (30-140)	PCB126L (30-140)	PCB155L (30-140)
580-76755-9	PDI-SG-B180-BL1	91	83	83	82	85	85	89	100
580-76755-9 MS	PDI-SG-B180-BL1	86	83	83	82	85	85	87	100
580-76755-9 MSD	PDI-SG-B180-BL1	82	91	81	81	84	83	84	106
580-76755-10	PDI-SG-B184-BL1	80	84	80	79	83	81	81	92
580-76755-11	PDI-SG-B177-BL1	91	79	82	79	84	83	88	98
580-76755-12	PDI-SG-B185-BL1	86	88	85	80	82	82	85	98
580-76755-13	PDI-SG-B190-BL1	86	85	83	81	84	83	86	95
580-76755-14	PDI-SG-B205-BL1	83	83	86	84	77	84	85	86
580-76755-15	PDI-SG-B213-BL1	88	89	88	95	91	87	87	92
580-76755-16	PDI-SG-B216-BL1	89	86	83	79	85	83	85	101
580-76755-17	PDI-SG-B218-BL1	92	81	85	82	87	85	82	98
580-76755-18	PDI-SG-B219-BL1	94	81	85	82	86	86	98	94
580-76755-19	PDI-SG-B219-BL1-D	90	88	88	86	92	93	92	98
580-76755-20	PDI-SG-B223-BL1	91	90	86	83	85	88	90	103
580-76755-21	PDI-SG-B224-BL1	92	82	84	81	84	86	91	101
580-76755-22	PDI-SG-B221-BL1	89	97	88	89	91	91	88	106
580-76755-23	PDI-SG-B204-BL1	91	85	84	83	85	82	88	101
580-76755-24	PDI-SG-B203-BL1	88	94	86	86	90	89	89	109
580-76755-25	PDI-SG-B200-BL1	88	89	86	83	86	84	87	105
580-76755-26	PDI-SG-B197-BL1	90	93	86	84	86	88	89	104
580-76755-27	PDI-SG-B195-BL1	93	89	85	83	83	84	87	110
LCS 140-19882/17-B	Lab Control Sample	84	90	83	80	80	81	85	96
LCS 140-19935/17-B	Lab Control Sample	80	92	89	88	90	89	86	101
LCS 140-19941/17-B	Lab Control Sample	77	71	84	84	82	79	82	77
LCSD 140-19882/18-B	Lab Control Sample Dup	80	91	84	81	84	84	85	98
LCSD 140-19935/18-B	Lab Control Sample Dup	82	79	80	78	80	80	85	95
LCSD 140-19941/18-B	Lab Control Sample Dup	74	86	89	88	86	86	82	84
MB 140-19882/16-B	Method Blank	79	92	85	81	85	83	87	97
MB 140-19935/16-B	Method Blank	78	82	79	79	83	82	81	93
MB 140-19941/16-B	Method Blank	68	85	85	86	84	82	78	82

		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)
580-76755-1	PDI-SG-B206-BL1	87 C	87 C156	86	91	86	89	101	95
580-76755-2	PDI-SG-B212-BL1	91 C	91 C156	92	90	80	84	94	96
580-76755-3	PDI-SG-B220-BL1	87 C	87 C156	86	92	89	91	104	97
580-76755-4	PDI-SG-B228-BL1	89 C	89 C156	89	87	81	84	95	95
580-76755-5	PDI-SG-B242-BL1	84 C	84 C156	83	85	83	85	98	95
580-76755-6	PDI-SG-B250-BL1	71 C	71 C156	69	72	65	67	81	73
580-76755-7	PDI-SG-B256-BL1	82 C	82 C156	83	82	82	86	102	94
580-76755-8	PDI-SG-B267-BL1	89 C	89 C156	86	88	82	87	104	91
580-76755-9	PDI-SG-B180-BL1	87 C	87 C156	88	87	86	93	104	107
580-76755-9 MS	PDI-SG-B180-BL1	90 C	90 C156	92	89	84	84	98	99
580-76755-9 MSD	PDI-SG-B180-BL1	85 C	85 C156	83	87	84	87	105	95
580-76755-10	PDI-SG-B184-BL1	85 C	85 C156	85	87	82	81	96	88
580-76755-11	PDI-SG-B177-BL1	89 C	89 C156	90	88	80	82	97	97
580-76755-12	PDI-SG-B185-BL1	85 C	85 C156	84	87	92	91	104	94
580-76755-13	PDI-SG-B190-BL1	90 C	90 C156	86	89	82	79	99	93
580-76755-14	PDI-SG-B205-BL1	84 C	84 C156	86	96	87	85	95	91

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)
580-76755-15	PDI-SG-B213-BL1	90 C	90 C156	92	95	90	94	99	99
580-76755-16	PDI-SG-B216-BL1	80 C	80 C156	82	80	78	86	105	92
580-76755-17	PDI-SG-B218-BL1	74 C S	74 S C156	82	84	79	85	99	88
580-76755-18	PDI-SG-B219-BL1	87 C	87 C156	88	89	91	91	106	101
580-76755-19	PDI-SG-B219-BL1-D	91 C	91 C156	86	89	90	91	105	99
580-76755-20	PDI-SG-B223-BL1	91 C	91 C156	89	88	82	87	103	95
580-76755-21	PDI-SG-B224-BL1	83 C	83 C156	84	84	82	86	102	98
580-76755-22	PDI-SG-B221-BL1	93 C	93 C156	88	90	84	89	110	92
580-76755-23	PDI-SG-B204-BL1	84 C	84 C156	87	84	82	85	120	96
580-76755-24	PDI-SG-B203-BL1	92 C	92 C156	90	89	81	88	105	96
580-76755-25	PDI-SG-B200-BL1	83 C	83 C156	83	82	82	90	104	98
580-76755-26	PDI-SG-B197-BL1	89 C	89 C156	89	88	78	83	102	91
580-76755-27	PDI-SG-B195-BL1	85 C	85 C156	84	86	84	88	106	99
LCS 140-19882/17-B	Lab Control Sample	82 C	82 C156	80	86	83	82	94	89
LCS 140-19935/17-B	Lab Control Sample	85 C	85 C156	85	89	83	87	101	95
LCS 140-19941/17-B	Lab Control Sample	85 C	85 C156	86	90	83	82	91	86
LCSD 140-19882/18-B	Lab Control Sample Dup	89 C	89 C156	85	87	80	82	89	92
LCSD 140-19935/18-B	Lab Control Sample Dup	84 C	84 C156	83	83	77	77	94	92
LCSD 140-19941/18-B	Lab Control Sample Dup	87 C	87 C156	87	92	83	85	92	90
MB 140-19882/16-B	Method Blank	89 C	89 C156	89	89	81	85	90	93
MB 140-19935/16-B	Method Blank	85 C	85 C156	83	82	79	82	90	96
MB 140-19941/16-B	Method Blank	84 C	84 C156	86	93	85	88	86	91

		Percent Isotope Dilution Recovery (Acceptance Limits)			
Lab Sample ID	Client Sample ID	PCB205L (30-140)	PCB206L (30-140)	PCB208L (30-140)	PCB209L (30-140)
580-76755-1	PDI-SG-B206-BL1	79	70	72	63
580-76755-2	PDI-SG-B212-BL1	78	65	66	59
580-76755-3	PDI-SG-B220-BL1	82	68	73	64
580-76755-4	PDI-SG-B228-BL1	78	69	65	62
580-76755-5	PDI-SG-B242-BL1	79	67	72	62
580-76755-6	PDI-SG-B250-BL1	63	55	53	52
580-76755-7	PDI-SG-B256-BL1	79	65	70	60
580-76755-8	PDI-SG-B267-BL1	80	69	70	67
580-76755-9	PDI-SG-B180-BL1	80	68	68	62
580-76755-9 MS	PDI-SG-B180-BL1	80	69	66	60
580-76755-9 MSD	PDI-SG-B180-BL1	79	68	74	63
580-76755-10	PDI-SG-B184-BL1	76	66	67	60
580-76755-11	PDI-SG-B177-BL1	78	67	66	59
580-76755-12	PDI-SG-B185-BL1	79	69	70	62
580-76755-13	PDI-SG-B190-BL1	78	70	69	64
580-76755-14	PDI-SG-B205-BL1	74	73	71	65
580-76755-15	PDI-SG-B213-BL1	78	76	75	69
580-76755-16	PDI-SG-B216-BL1	79	63	73	58
580-76755-17	PDI-SG-B218-BL1	74	65	71	59
580-76755-18	PDI-SG-B219-BL1	84	70	72	63
580-76755-19	PDI-SG-B219-BL1-D	83	72	72	69
580-76755-20	PDI-SG-B223-BL1	81	77	73	68
580-76755-21	PDI-SG-B224-BL1	80	67	71	61

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)
580-76755-22	PDI-SG-B221-BL1	83	75	76	70
580-76755-23	PDI-SG-B204-BL1	79	65	71	61
580-76755-24	PDI-SG-B203-BL1	83	75	74	65
580-76755-25	PDI-SG-B200-BL1	78	68	73	61
580-76755-26	PDI-SG-B197-BL1	83	73	71	64
580-76755-27	PDI-SG-B195-BL1	81	70	75	63
LCS 140-19882/17-B	Lab Control Sample	79	68	70	63
LCS 140-19935/17-B	Lab Control Sample	83	73	76	68
LCS 140-19941/17-B	Lab Control Sample	74	70	70	66
LCSD 140-19882/18-B	Lab Control Sample Dup	78	68	65	63
LCSD 140-19935/18-B	Lab Control Sample Dup	81	68	69	60
LCSD 140-19941/18-B	Lab Control Sample Dup	76	74	72	67
MB 140-19882/16-B	Method Blank	80	70	67	62
MB 140-19935/16-B	Method Blank	77	66	66	59
MB 140-19941/16-B	Method Blank	71	70	69	65

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

Isotope Dilution Summary

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

TestAmerica Job ID: 580-76755-3

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

Matrix: Water **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)
580-76755-28	PDI-RB-VV-041918	109	108	94	89	81	89	78	95
LCS 140-20082/19-A	Lab Control Sample	99	94	79	74	75	78	69	80
LCSD 140-20082/20-A	Lab Control Sample Dup	93	92	74	77	77	79	68	83
MB 140-20082/18-A	Method Blank	106	105	79	76	77	80	69	91

		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)
580-76755-28	PDI-RB-VV-041918	93	89	87	85	89	89	90	95
LCS 140-20082/19-A	Lab Control Sample	77	78	81	78	82	82	83	73
LCSD 140-20082/20-A	Lab Control Sample Dup	83	84	86	84	87	87	88	85
MB 140-20082/18-A	Method Blank	87	73	86	84	89	87	91	72

		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)
580-76755-28	PDI-RB-VV-041918	84 C	84 C156	85	85	84	87	100	90
LCS 140-20082/19-A	Lab Control Sample	78 C	78 C156	78	77	78	78	88	80
LCSD 140-20082/20-A	Lab Control Sample Dup	82 C	82 C156	83	83	85	86	97	89
MB 140-20082/18-A	Method Blank	90 C	90 C156	88	90	83	77	101	86

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	PCB205L (30-140)	PCB206L (30-140)	PCB208L (30-140)	PCB209L (30-140)				
580-76755-28	PDI-RB-VV-041918	84	66	72	56				
LCS 140-20082/19-A	Lab Control Sample	74	62	66	52				
LCSD 140-20082/20-A	Lab Control Sample Dup	81	67	72	57				
MB 140-20082/18-A	Method Blank	83	68	68	58				

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

Isotope Dilution Summary

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

TestAmerica Job ID: 580-76755-3

PCB189L = PCB-189L
PCB202L = PCB-202L
PCB205L = PCB-205L
PCB206L = PCB-206L
PCB208L = PCB-208L
PCB209L = PCB-209L