

## Data Validation Report

Project: Portland Harbor Pre-Remedial Design Investigation and Baseline Sampling  
 Laboratory: SGS-AXYS, Sydney, British Columbia, Canada  
 Service Request: WG67276-PCB  
 Analyses/Method: Chlorinated Biphenyls by HRGC/HRMS / E1668  
 Validation Level: Stage 2A  
 AECOM Project Number: 60566335.2.12  
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### SUMMARY

The samples listed below were collected by AECOM in Portland Harbor in Portland, OR on January 26-27, 2019 and February 17-18, 2019.

Sample ID	Matrix/Sample Type
PDI-RB-XD-190127	Equipment Blank
PDI-WS-T01-1902	Surface Water
PDI-WS-T02-1902	Surface Water
PDI-WS-T03-1902	Surface Water
PDI-WS-T04-1902	Surface Water
PDI-WS-T05-1902	Surface Water
PDI-WS-T06-1901	Surface Water
PDI-WS-T07-1901	Surface Water

Data validation activities were conducted with reference to:

- *EPA Method 1668A: Chlorinated Biphenyl Congeners in Water, Soil, Sediment, Biosolids, and Tissue by HRGC/HRMS (USEPA, August 2003),*
- *EPA Method 1668B: Chlorinated Biphenyl Congeners in Water, Soil, Sediment, Biosolids, and Tissue by HRGC/HRMS (USEPA, November 2008),*
- *EPA Method 1668C: Chlorinated Biphenyl Congeners in Water, Soil, Sediment, Biosolids, and Tissue by HRGC/HRMS (USEPA, April 2010),*
- *USEPA Contract Laboratory Program National Functional Guidelines for High Resolution Superfund Methods Data Review (April 2016),*
- *Quality Assurance Project Plan, Portland Harbor Pre-Remedial Design Investigation and Baseline Sampling, Portland Harbor Superfund Site (March 2018), and the*
- laboratory quality control (QC) limits.

The National Functional Guidelines were modified to accommodate the non-CLP methodologies. In the absence of method-specific information, laboratory QC limits, project-specific requirements and/or AECOM professional judgment were used as appropriate.

## REVIEW ELEMENTS

The data were evaluated based on the following parameters (where applicable to the method):

- |    |   |
|----|---|
| ✓  | Data completeness (chain-of-custody (COC)/sample integrity)   |
| ✓  | Holding times and sample preservation                         |
| X  | Laboratory blanks/equipment blanks                            |
| NA | Matrix spike (MS) and/or matrix spike duplicate (MSD) results |
| ✓  | Ongoing precision and recovery results                        |
| NA | Field duplicate results                                       |
| X  | Labeled compounds and labeled clean-up standard recoveries    |
| X  | Sample results/reporting issues                               |

The symbol (✓) indicates that no validation qualifiers were applied based on this parameter. An NA indicates that the parameter was not included as part of this data set or was not applicable to this validation and therefore not reviewed. The symbol (X) indicates that a QC nonconformance resulted in the qualification of data. Any QC nonconformance that resulted in the qualification of data is discussed below. In addition, nonconformances or other issues that were noted during validation, but did not result in qualification of data, may be discussed for informational purposes only.

The data appear valid as qualified and may be used for decision making purposes. Select data points were qualified as estimated due to nonconformances of certain QC criteria (see discussion below). Qualified sample results are presented in Table 1.

## RESULTS

### Data Completeness (COC)/Sample Integrity

The data package was reviewed and found to meet acceptance criteria for completeness:

- The COCs were reviewed for completeness of information relevant to the samples and requested analyses, and for signatures indicating transfer of sample custody.
- The laboratory sample login sheet(s) were reviewed for issues potentially affecting sample integrity, including the condition of sample containers upon receipt at the laboratory.
- Completeness of analyses was verified by comparing the reported results to the COC requests.

### Holding Times and Sample Preservation

Sample preservation and preparation/analysis holding times were reviewed for conformance with method criteria. All method QC acceptance criteria were met.

### Laboratory Blanks/Equipment Blanks

Laboratory method blanks and equipment blank results are evaluated as to whether there are contaminants detected above the estimated detection limit (EDL).

Target compounds were detected in the laboratory method blank and equipment blank associated with the samples in this data set.

Detected compounds are summarized in Attachment A in Table A-1 and Table A-2. The results for the equipment blank PDI-RB-XD-190127 are provided for informational purposes only.

The NFG guidance stipulates that a conservative approach should be taken with regards to qualification of PCB congeners due to the toxicity of these compounds and the reporting of false negative results should be avoided.

Therefore, in order to avoid the reporting of false negative results, professional judgment was used to qualify the data in the following manner on the basis of laboratory method blank contamination. As allowed in the NFG, a blank action limit (BAL) was determined as five times the blank result:

- When the sample results were  $<$  the blank result, the sample result was qualified as nondetect (U) at the sample result.
- When the sample result was  $\geq$  the blank result and  $\leq$  the BAL, the sample result was qualified as estimated and potentially biased high (J+).
- When the sample result was  $>$  the BAL, the sample result was not qualified.

Qualified sample results are summarized in Table 1.

#### **MS/MSD Results**

MS/MSD analyses were not performed on a sample in this data set. No data validation actions were taken on this basis.

#### **Ongoing Precision and Recovery**

The OPR %Rs and relative percent differences (RPDs) were reviewed for conformance with the method QC acceptance criteria. All method QC acceptance criteria were met or qualification of the data was not required.

#### **Field Duplicate Results**

A field duplicate pair was not submitted with this data set. No data validation actions were taken on this basis.

#### **Labeled Compounds and Labeled Clean-up Standard Recoveries**

The labeled compounds and labeled clean-up standard %Rs were reviewed for conformance with the QC acceptance criteria.

Nonconformances are summarized in Attachment A in Table A-3. Samples were qualified as follows:

**Actions:** (Based on NFG 2016)

Criteria		Actions	
		Detected	Nondetected
%R > Upper Acceptance Limit		J	UJ
%R >10% but < Lower Acceptance Limit		J	UJ
%R <10%		See below	
<10% and S/N >10:1		J	R
<10% and S/N <10:1		R	R
Ion abundance ratio criteria not met	Calibration compliant	J	UJ
	Calibration non-compliant	J	R
Clean-up Standard Recovery < Lower Acceptance Limit		J	UJ
See Table 6 of method for method QC acceptance criteria <sup>1</sup>			
<sup>2</sup> The PCB congener method is performed using isotope dilution technique; therefore, professional judgment was applied and bias codes were not included in data qualification.			

Qualified sample results are summarized in Table 1.

The laboratory spikes the XAD resin with the following labeled compounds prior to deployment to the field: PCB-31L, PCB-95L and PCB-153L. Specific QC acceptance limits have not been established for these compounds. However, the recoveries of these labeled compounds in all samples were found to range between 79.5 to 116%. Consequently, it was determined that the XAD resin performance was acceptable for this sample event and data were not qualified on this basis.

### Sample Results/Reporting Issues

All sample results detected at concentrations less than the lowest calibration standard but greater than the EDL are qualified by the laboratory as estimated (J). This "J" qualifier is retained during data validation.

It should be noted that the sample reported detection limit is the sample specific estimated detection limit (EDL) with the following exceptions. In cases when the EDL is less than the nominal concentration of 0.5 pg/sample, the EDL is raised to the nominal concentration and adjusted to include the appropriate preparation factors.

### Lock Mass Interferences

The laboratory identified the presence of interferences of the mass ion as indicated by the monitored lock mass by qualifying the affected sample result with a "G" laboratory qualifier. These interferences may impact compound quantitation; therefore, the positive and nondetect results for affected samples were qualified as estimated (J/UJ).

### Estimated Maximum Possible Concentrations (EMPCs)

The data were reviewed to identify sample results that were indicated by the laboratory to be estimated maximum possible concentrations (EMPCs) because of identification criteria not being met.

The laboratory identified the presence of EMPCs for the samples in this data set by qualifying affected results with a "K" laboratory qualifier. Samples were qualified as follows:

**Actions:** (Based on AECOM professional judgment)

Criteria	Actions
A native target compound was reported by the laboratory as an EMPC.	Report result as an EMPC and qualify as estimated and presumptively present (JN).
A labeled compound was flagged by the laboratory indicating all identification criteria were not met.	Qualify associated positive and nondetect results as estimated (J/UJ).

It should be noted that in instances of multiple nonconformances, the bias is considered indeterminate where there is a conflicting low and high bias or when a result does not exhibit a consistent bias. These results have an overall qualification of estimated (J) with the exception noted below.

When applicable, the "JN" qualifier was retained rather than replacement with the conventional overall "J" qualifier in instances where EMPC results were qualified for multiple quality control nonconformances.

Qualified sample results are summarized in Table 1.

### **QUALIFICATION ACTIONS**

Sample results qualified as a result of validation actions are summarized in Table 1. All actions are described above.

**ATTACHMENTS**

Attachment A: Nonconformance Summary Tables

Attachment B: Qualifier Codes and Explanations

Attachment C: Reason Codes and Explanations

**Table 1 - Data Validation Summary of Qualified Data**

Sample ID	Matrix	Compound	Result	EDL	Units	Validation Qualifiers	Validation Reason
PDI-RB-XD-190127	WQ	PCB-10	3.74	1.86	pg/sample	JN	lc,k
PDI-RB-XD-190127	WQ	PCB-103		0.840	pg/sample	UJ	lc
PDI-RB-XD-190127	WQ	PCB-104		0.840	pg/sample	UJ	lc
PDI-RB-XD-190127	WQ	PCB-105	5.30	0.840	pg/sample	JN	bl,k
PDI-RB-XD-190127	WQ	PCB-106		0.840	pg/sample	UJ	lc
PDI-RB-XD-190127	WQ	PCB-11	145	2.15	pg/sample	J	bl,lc
PDI-RB-XD-190127	WQ	PCB-110/115	18.6	0.840	pg/sample	J	bl,lc
PDI-RB-XD-190127	WQ	PCB-111		0.840	pg/sample	UJ	lc
PDI-RB-XD-190127	WQ	PCB-112		0.840	pg/sample	UJ	lc
PDI-RB-XD-190127	WQ	PCB-114	0.848	0.840	pg/sample	JN	k
PDI-RB-XD-190127	WQ	PCB-118	13.8	0.840	pg/sample	JN	bl,k
PDI-RB-XD-190127	WQ	PCB-12/13	8.17	2.16	pg/sample	JN	bl,lc,k
PDI-RB-XD-190127	WQ	PCB-120		0.840	pg/sample	UJ	lc
PDI-RB-XD-190127	WQ	PCB-121		0.840	pg/sample	UJ	lc
PDI-RB-XD-190127	WQ	PCB-122		0.840	pg/sample	UJ	lc
PDI-RB-XD-190127	WQ	PCB-127		0.840	pg/sample	UJ	lc
PDI-RB-XD-190127	WQ	PCB-128/166	4.42	0.840	pg/sample	J	bl,lc
PDI-RB-XD-190127	WQ	PCB-129/138/160/163		16.7	pg/sample	UJ	bl,lc
PDI-RB-XD-190127	WQ	PCB-130		0.840	pg/sample	UJ	lc
PDI-RB-XD-190127	WQ	PCB-131		0.840	pg/sample	UJ	lc
PDI-RB-XD-190127	WQ	PCB-132	3.86	0.840	pg/sample	JN	bl,lc,k
PDI-RB-XD-190127	WQ	PCB-133		0.840	pg/sample	UJ	lc
PDI-RB-XD-190127	WQ	PCB-134/143		0.840	pg/sample	UJ	lc
PDI-RB-XD-190127	WQ	PCB-135/151/154	5.11	0.840	pg/sample	JN	bl,lc,k
PDI-RB-XD-190127	WQ	PCB-136	2.69	0.840	pg/sample	JN	lc,k
PDI-RB-XD-190127	WQ	PCB-137	2.35	0.840	pg/sample	JN	lc,k
PDI-RB-XD-190127	WQ	PCB-139/140		0.840	pg/sample	UJ	lc
PDI-RB-XD-190127	WQ	PCB-14		2.05	pg/sample	UJ	lc
PDI-RB-XD-190127	WQ	PCB-141	3.58	0.840	pg/sample	JN	bl,lc,k
PDI-RB-XD-190127	WQ	PCB-142		0.840	pg/sample	UJ	lc
PDI-RB-XD-190127	WQ	PCB-144	1.20	0.840	pg/sample	JN	lc,k
PDI-RB-XD-190127	WQ	PCB-145		0.840	pg/sample	UJ	lc
PDI-RB-XD-190127	WQ	PCB-146	2.87	0.840	pg/sample	J	bl,lc
PDI-RB-XD-190127	WQ	PCB-147/149	9.78	0.840	pg/sample	J	bl,lc
PDI-RB-XD-190127	WQ	PCB-148		0.840	pg/sample	UJ	lc

Sample ID	Matrix	Compound	Result	EDL	Units	Validation Qualifiers	Validation Reason
PDI-RB-XD-190127	WQ	PCB-15	28.2	2.63	pg/sample	J	bl,lc
PDI-RB-XD-190127	WQ	PCB-150		0.840	pg/sample	UJ	lc
PDI-RB-XD-190127	WQ	PCB-152		0.840	pg/sample	UJ	lc
PDI-RB-XD-190127	WQ	PCB-153/168	15.6	0.840	pg/sample	J	bl,lc
PDI-RB-XD-190127	WQ	PCB-156/157		2.01	pg/sample	U	bl
PDI-RB-XD-190127	WQ	PCB-158	1.30	0.840	pg/sample	JN	bl,lc,k
PDI-RB-XD-190127	WQ	PCB-159		0.840	pg/sample	UJ	lc
PDI-RB-XD-190127	WQ	PCB-16	17.0	0.840	pg/sample	J	bl,lc
PDI-RB-XD-190127	WQ	PCB-161		0.840	pg/sample	UJ	lc
PDI-RB-XD-190127	WQ	PCB-162		0.840	pg/sample	UJ	lc
PDI-RB-XD-190127	WQ	PCB-164	1.38	0.840	pg/sample	J	lc
PDI-RB-XD-190127	WQ	PCB-165		0.840	pg/sample	UJ	lc
PDI-RB-XD-190127	WQ	PCB-167	1.80	0.840	pg/sample	JN	bl,k
PDI-RB-XD-190127	WQ	PCB-169		0.840	pg/sample	UJ	lc
PDI-RB-XD-190127	WQ	PCB-17	70.1	0.840	pg/sample	J	lc
PDI-RB-XD-190127	WQ	PCB-170	7.88	0.840	pg/sample	JN	bl,k
PDI-RB-XD-190127	WQ	PCB-171/173	2.06	0.840	pg/sample	JN	bl,k
PDI-RB-XD-190127	WQ	PCB-172	1.64	0.840	pg/sample	J+	bl
PDI-RB-XD-190127	WQ	PCB-174	7.68	0.840	pg/sample	JN	bl,k
PDI-RB-XD-190127	WQ	PCB-177	4.46	0.840	pg/sample	J+	bl
PDI-RB-XD-190127	WQ	PCB-178	1.58	0.840	pg/sample	JN	bl,k
PDI-RB-XD-190127	WQ	PCB-179	2.15	0.840	pg/sample	JN	k
PDI-RB-XD-190127	WQ	PCB-18/30	39.0	0.840	pg/sample	J	bl,lc
PDI-RB-XD-190127	WQ	PCB-180/193	31.1	0.840	pg/sample	JN	bl,k
PDI-RB-XD-190127	WQ	PCB-183/185		3.13	pg/sample	U	bl
PDI-RB-XD-190127	WQ	PCB-187	13.3	0.840	pg/sample	JN	bl,k
PDI-RB-XD-190127	WQ	PCB-19	12.9	0.840	pg/sample	JN	bl,lc,k
PDI-RB-XD-190127	WQ	PCB-190		1.77	pg/sample	U	bl
PDI-RB-XD-190127	WQ	PCB-194	37.9	0.840	pg/sample	JN	bl,lc,k
PDI-RB-XD-190127	WQ	PCB-195	11.8	0.840	pg/sample	JN	bl,lc,k
PDI-RB-XD-190127	WQ	PCB-196	34.9	0.840	pg/sample	J	lc
PDI-RB-XD-190127	WQ	PCB-197/200	5.92	0.840	pg/sample	JN	lc,k
PDI-RB-XD-190127	WQ	PCB-198/199	88.1	0.840	pg/sample	J	lc
PDI-RB-XD-190127	WQ	PCB-20/28	56.7	0.840	pg/sample	J	bl,lc
PDI-RB-XD-190127	WQ	PCB-201	3.13	0.840	pg/sample	J	lc
PDI-RB-XD-190127	WQ	PCB-202	7.24	0.840	pg/sample	JN	bl,lc,k
PDI-RB-XD-190127	WQ	PCB-203	61.8	0.840	pg/sample	J	lc
PDI-RB-XD-190127	WQ	PCB-204		0.840	pg/sample	UJ	lc
PDI-RB-XD-190127	WQ	PCB-205	2.52	0.840	pg/sample	JN	k
PDI-RB-XD-190127	WQ	PCB-206	77.7	0.840	pg/sample	JN	k



Sample ID	Matrix	Compound	Result	EDL	Units	Validation Qualifiers	Validation Reason
PDI-RB-XD-190127	WQ	PCB-207	17.5	0.840	pg/sample	JN	k
PDI-RB-XD-190127	WQ	PCB-209 (decachlorobiphenyl)	17.1	0.840	pg/sample	JN	bl,k
PDI-RB-XD-190127	WQ	PCB-21/33	245	0.840	pg/sample	J	lc
PDI-RB-XD-190127	WQ	PCB-22	17.3	0.840	pg/sample	JN	bl,lc,k
PDI-RB-XD-190127	WQ	PCB-23		0.840	pg/sample	UJ	lc
PDI-RB-XD-190127	WQ	PCB-24	0.883	0.840	pg/sample	JN	lc,k
PDI-RB-XD-190127	WQ	PCB-25	219	0.840	pg/sample	J	lc
PDI-RB-XD-190127	WQ	PCB-26/29	8.58	0.840	pg/sample	J	bl,lc
PDI-RB-XD-190127	WQ	PCB-27	5.73	0.840	pg/sample	JN	bl,lc,k
PDI-RB-XD-190127	WQ	PCB-31	36.9	0.840	pg/sample	J	bl,lc
PDI-RB-XD-190127	WQ	PCB-32	13.2	0.840	pg/sample	J	bl,lc
PDI-RB-XD-190127	WQ	PCB-34		0.840	pg/sample	UJ	lc
PDI-RB-XD-190127	WQ	PCB-35	3.80	0.840	pg/sample	J	bl,lc
PDI-RB-XD-190127	WQ	PCB-36	4.96	0.840	pg/sample	JN	lc,k
PDI-RB-XD-190127	WQ	PCB-37	10.4	0.853	pg/sample	JN	bl,k
PDI-RB-XD-190127	WQ	PCB-38		0.840	pg/sample	UJ	lc
PDI-RB-XD-190127	WQ	PCB-39	4.73	0.840	pg/sample	J	lc
PDI-RB-XD-190127	WQ	PCB-4	107	3.00	pg/sample	J	lc
PDI-RB-XD-190127	WQ	PCB-40/41/71	16.2	0.840	pg/sample	JN	bl,lc,k
PDI-RB-XD-190127	WQ	PCB-42	6.91	0.840	pg/sample	J	bl,lc
PDI-RB-XD-190127	WQ	PCB-43		0.840	pg/sample	UJ	lc
PDI-RB-XD-190127	WQ	PCB-44/47/65	923	0.840	pg/sample	J	lc
PDI-RB-XD-190127	WQ	PCB-45/51	5830	0.840	pg/sample	J	lc
PDI-RB-XD-190127	WQ	PCB-46	6.84	0.840	pg/sample	JN	lc,k
PDI-RB-XD-190127	WQ	PCB-48	5.49	0.840	pg/sample	JN	bl,lc,k
PDI-RB-XD-190127	WQ	PCB-49/69	29.2	0.840	pg/sample	J	lc
PDI-RB-XD-190127	WQ	PCB-5		2.17	pg/sample	UJ	lc
PDI-RB-XD-190127	WQ	PCB-50/53	8.27	0.840	pg/sample	JN	lc,k
PDI-RB-XD-190127	WQ	PCB-52	28.1	0.840	pg/sample	J	bl,lc
PDI-RB-XD-190127	WQ	PCB-54		0.840	pg/sample	UJ	lc
PDI-RB-XD-190127	WQ	PCB-55		2.66	pg/sample	UJ	lc
PDI-RB-XD-190127	WQ	PCB-56	5.05	2.64	pg/sample	JN	bl,lc,k
PDI-RB-XD-190127	WQ	PCB-57		2.31	pg/sample	UJ	lc
PDI-RB-XD-190127	WQ	PCB-58		2.41	pg/sample	UJ	lc
PDI-RB-XD-190127	WQ	PCB-59/62/75	4.52	0.840	pg/sample	J	bl,lc
PDI-RB-XD-190127	WQ	PCB-6	20.5	1.94	pg/sample	J	bl,lc
PDI-RB-XD-190127	WQ	PCB-60	3.12	2.62	pg/sample	J	lc
PDI-RB-XD-190127	WQ	PCB-61/70/74/76	24.4	2.36	pg/sample	J	bl,lc
PDI-RB-XD-190127	WQ	PCB-63		2.31	pg/sample	UJ	lc

Sample ID	Matrix	Compound	Result	EDL	Units	Validation Qualifiers	Validation Reason
PDI-RB-XD-190127	WQ	PCB-64	8.98	0.840	pg/sample	JN	bl,lc,k
PDI-RB-XD-190127	WQ	PCB-66	13.6	2.41	pg/sample	J	bl,lc,q
PDI-RB-XD-190127	WQ	PCB-67		2.05	pg/sample	UJ	lc
PDI-RB-XD-190127	WQ	PCB-68	1640	2.31	pg/sample	J	lc
PDI-RB-XD-190127	WQ	PCB-7	12.7	1.98	pg/sample	J	lc
PDI-RB-XD-190127	WQ	PCB-72		2.30	pg/sample	UJ	lc
PDI-RB-XD-190127	WQ	PCB-73		0.840	pg/sample	UJ	lc
PDI-RB-XD-190127	WQ	PCB-78		2.65	pg/sample	UJ	lc
PDI-RB-XD-190127	WQ	PCB-79		2.08	pg/sample	UJ	lc
PDI-RB-XD-190127	WQ	PCB-8	85.9	1.77	pg/sample	J	bl,lc
PDI-RB-XD-190127	WQ	PCB-80		2.28	pg/sample	UJ	lc
PDI-RB-XD-190127	WQ	PCB-82		0.840	pg/sample	UJ	lc
PDI-RB-XD-190127	WQ	PCB-83/99	13.3	0.840	pg/sample	JN	bl,k,lc
PDI-RB-XD-190127	WQ	PCB-84	4.92	0.840	pg/sample	JN	bl,k,lc
PDI-RB-XD-190127	WQ	PCB-85/116/117	4.28	0.840	pg/sample	JN	bl,k,lc
PDI-RB-XD-190127	WQ	PCB-86/87/97/108/119/125	12.5	0.840	pg/sample	J	bl,q
PDI-RB-XD-190127	WQ	PCB-88/91	8.08	0.840	pg/sample	JN	lc,k
PDI-RB-XD-190127	WQ	PCB-89		0.840	pg/sample	UJ	lc
PDI-RB-XD-190127	WQ	PCB-9	8.29	1.87	pg/sample	J	bl,lc
PDI-RB-XD-190127	WQ	PCB-90/101/113	17.5	0.840	pg/sample	J	bl,lc
PDI-RB-XD-190127	WQ	PCB-92	3.85	0.840	pg/sample	JN	bl,k,lc
PDI-RB-XD-190127	WQ	PCB-93/95/98/100/102	14.4	0.840	pg/sample	J	bl,lc
PDI-RB-XD-190127	WQ	PCB-94		0.840	pg/sample	UJ	lc
PDI-RB-XD-190127	WQ	PCB-96		0.840	pg/sample	UJ	lc
PDI-WS-T01-1902	WS	PCB-1	162	1.72	pg/sample	J	lc
PDI-WS-T01-1902	WS	PCB-10	14.5	7.86	pg/sample	JN	lc,k
PDI-WS-T01-1902	WS	PCB-104	0.864	0.835	pg/sample	JN	k
PDI-WS-T01-1902	WS	PCB-107/124	8.18	1.24	pg/sample	JN	k
PDI-WS-T01-1902	WS	PCB-11	798	8.55	pg/sample	J	lc
PDI-WS-T01-1902	WS	PCB-12/13	50.4	8.68	pg/sample	JN	lc,k
PDI-WS-T01-1902	WS	PCB-120	1.26	0.835	pg/sample	JN	k
PDI-WS-T01-1902	WS	PCB-122	1.91	1.30	pg/sample	JN	k
PDI-WS-T01-1902	WS	PCB-123	4.71	1.25	pg/sample	JN	k
PDI-WS-T01-1902	WS	PCB-130	10.9	0.835	pg/sample	JN	k
PDI-WS-T01-1902	WS	PCB-131	2.69	0.835	pg/sample	JN	k
PDI-WS-T01-1902	WS	PCB-133	3.57	0.835	pg/sample	JN	bl,k
PDI-WS-T01-1902	WS	PCB-134/143	8.63	0.835	pg/sample	JN	k
PDI-WS-T01-1902	WS	PCB-137	9.14	0.835	pg/sample	JN	k
PDI-WS-T01-1902	WS	PCB-14		8.22	pg/sample	UJ	lc
PDI-WS-T01-1902	WS	PCB-150	0.878	0.835	pg/sample	JN	k

Sample ID	Matrix	Compound	Result	EDL	Units	Validation Qualifiers	Validation Reason
PDI-WS-T01-1902	WS	PCB-155	1.29	0.835	pg/sample	JN	k
PDI-WS-T01-1902	WS	PCB-156/157	14.4	0.835	pg/sample	J+	bl
PDI-WS-T01-1902	WS	PCB-16	110	3.06	pg/sample	J	lc
PDI-WS-T01-1902	WS	PCB-164	14.4	0.835	pg/sample	JN	k
PDI-WS-T01-1902	WS	PCB-167	7.21	0.835	pg/sample	JN	k
PDI-WS-T01-1902	WS	PCB-17	291	2.58	pg/sample	J	lc
PDI-WS-T01-1902	WS	PCB-170	21.6	0.835	pg/sample	J+	bl
PDI-WS-T01-1902	WS	PCB-171/173	5.56	0.835	pg/sample	J+	bl
PDI-WS-T01-1902	WS	PCB-172	4.86	0.835	pg/sample	J+	bl
PDI-WS-T01-1902	WS	PCB-174	22.1	0.835	pg/sample	JN	k
PDI-WS-T01-1902	WS	PCB-175	1.10	0.835	pg/sample	JN	k
PDI-WS-T01-1902	WS	PCB-176	2.63	0.835	pg/sample	JN	k
PDI-WS-T01-1902	WS	PCB-177	12.7	0.835	pg/sample	JN	bl,k
PDI-WS-T01-1902	WS	PCB-178	7.21	0.835	pg/sample	JN	bl,k
PDI-WS-T01-1902	WS	PCB-179	10.8	0.835	pg/sample	JN	k
PDI-WS-T01-1902	WS	PCB-18/30	297	2.19	pg/sample	J	lc
PDI-WS-T01-1902	WS	PCB-180/193	70.8	0.835	pg/sample	J+	bl
PDI-WS-T01-1902	WS	PCB-183/185	17.7	0.835	pg/sample	JN	bl,k
PDI-WS-T01-1902	WS	PCB-187	43.2	0.835	pg/sample	J+	bl
PDI-WS-T01-1902	WS	PCB-189	1.26	0.835	pg/sample	JN	k
PDI-WS-T01-1902	WS	PCB-19	153	4.05	pg/sample	J	lc
PDI-WS-T01-1902	WS	PCB-190	5.06	0.835	pg/sample	JN	bl,k
PDI-WS-T01-1902	WS	PCB-194	18.4	0.835	pg/sample	JN	bl,k
PDI-WS-T01-1902	WS	PCB-195	6.79	0.835	pg/sample	JN	bl,k
PDI-WS-T01-1902	WS	PCB-196	9.33	0.835	pg/sample	JN	bl,k
PDI-WS-T01-1902	WS	PCB-197/200	3.70	0.835	pg/sample	JN	bl,k
PDI-WS-T01-1902	WS	PCB-198/199	24.6	0.835	pg/sample	JN	bl,k
PDI-WS-T01-1902	WS	PCB-2	60.1	1.75	pg/sample	J	lc
PDI-WS-T01-1902	WS	PCB-20/28	520	2.87	pg/sample	J	lc
PDI-WS-T01-1902	WS	PCB-201	1.77	0.835	pg/sample	JN	k
PDI-WS-T01-1902	WS	PCB-202	4.26	0.835	pg/sample	JN	bl,k
PDI-WS-T01-1902	WS	PCB-203	18.9	0.835	pg/sample	JN	bl,k
PDI-WS-T01-1902	WS	PCB-206	21.3	3.51	pg/sample	J+	bl
PDI-WS-T01-1902	WS	PCB-207	3.70	2.39	pg/sample	J+	bl
PDI-WS-T01-1902	WS	PCB-208	7.44	2.70	pg/sample	J+	bl
PDI-WS-T01-1902	WS	PCB-209 (decachlorobiphenyl)	12.5	0.835	pg/sample	J+	bl
PDI-WS-T01-1902	WS	PCB-21/33	1010	2.75	pg/sample	J	lc
PDI-WS-T01-1902	WS	PCB-22	158	3.15	pg/sample	J	lc
PDI-WS-T01-1902	WS	PCB-23		2.99	pg/sample	UJ	lc

Sample ID	Matrix	Compound	Result	EDL	Units	Validation Qualifiers	Validation Reason
PDI-WS-T01-1902	WS	PCB-24	5.11	2.00	pg/sample	JN	lc,k
PDI-WS-T01-1902	WS	PCB-25	302	2.52	pg/sample	J	lc
PDI-WS-T01-1902	WS	PCB-26/29	99.4	2.82	pg/sample	J	lc
PDI-WS-T01-1902	WS	PCB-27	38.2	1.80	pg/sample	J	lc
PDI-WS-T01-1902	WS	PCB-3	136	1.76	pg/sample	J	lc
PDI-WS-T01-1902	WS	PCB-31	405	2.71	pg/sample	J	lc
PDI-WS-T01-1902	WS	PCB-32	122	2.66	pg/sample	J	lc
PDI-WS-T01-1902	WS	PCB-34	2.98	2.86	pg/sample	JN	lc,k
PDI-WS-T01-1902	WS	PCB-35	15.4	3.19	pg/sample	J	lc
PDI-WS-T01-1902	WS	PCB-36	8.65	2.82	pg/sample	J	lc
PDI-WS-T01-1902	WS	PCB-38		2.83	pg/sample	UJ	lc
PDI-WS-T01-1902	WS	PCB-39	5.61	2.92	pg/sample	JN	lc,k
PDI-WS-T01-1902	WS	PCB-4	416	14.1	pg/sample	J	lc
PDI-WS-T01-1902	WS	PCB-40/41/71	224	0.835	pg/sample	J	lc
PDI-WS-T01-1902	WS	PCB-42	108	0.835	pg/sample	J	lc
PDI-WS-T01-1902	WS	PCB-43		0.835	pg/sample	UJ	lc
PDI-WS-T01-1902	WS	PCB-44/47/65	4500	0.835	pg/sample	J	lc
PDI-WS-T01-1902	WS	PCB-45/51	23900	0.835	pg/sample	J	lc
PDI-WS-T01-1902	WS	PCB-46	41.3	0.835	pg/sample	J	lc
PDI-WS-T01-1902	WS	PCB-48	68.6	0.835	pg/sample	J	lc
PDI-WS-T01-1902	WS	PCB-49/69	432	0.835	pg/sample	J	lc
PDI-WS-T01-1902	WS	PCB-5		8.89	pg/sample	UJ	lc
PDI-WS-T01-1902	WS	PCB-50/53	107	0.835	pg/sample	J	lc
PDI-WS-T01-1902	WS	PCB-52	720	0.835	pg/sample	J	lc
PDI-WS-T01-1902	WS	PCB-54	10.0	0.835	pg/sample	JN	lc,k
PDI-WS-T01-1902	WS	PCB-55		2.90	pg/sample	UJ	lc
PDI-WS-T01-1902	WS	PCB-56	112	2.77	pg/sample	J	lc
PDI-WS-T01-1902	WS	PCB-57		2.52	pg/sample	UJ	lc
PDI-WS-T01-1902	WS	PCB-58		2.61	pg/sample	UJ	lc
PDI-WS-T01-1902	WS	PCB-59/62/75	35.4	0.835	pg/sample	J	lc
PDI-WS-T01-1902	WS	PCB-6	92.9	7.98	pg/sample	J	lc
PDI-WS-T01-1902	WS	PCB-60		2.73	pg/sample	UJ	lc
PDI-WS-T01-1902	WS	PCB-61/70/74/76	554	2.58	pg/sample	J	lc
PDI-WS-T01-1902	WS	PCB-63	13.6	2.61	pg/sample	JN	lc,k
PDI-WS-T01-1902	WS	PCB-64	165	0.835	pg/sample	J	lc
PDI-WS-T01-1902	WS	PCB-66	285	2.67	pg/sample	J	lc,q
PDI-WS-T01-1902	WS	PCB-67	8.41	2.17	pg/sample	J	lc
PDI-WS-T01-1902	WS	PCB-68	5170	2.43	pg/sample	J	lc
PDI-WS-T01-1902	WS	PCB-7	35.8	8.15	pg/sample	J	lc
PDI-WS-T01-1902	WS	PCB-72	10.6	2.43	pg/sample	J	lc

Sample ID	Matrix	Compound	Result	EDL	Units	Validation Qualifiers	Validation Reason
PDI-WS-T01-1902	WS	PCB-73		0.835	pg/sample	UJ	lc
PDI-WS-T01-1902	WS	PCB-77	13.8	2.79	pg/sample	JN	k
PDI-WS-T01-1902	WS	PCB-78		2.74	pg/sample	UJ	lc
PDI-WS-T01-1902	WS	PCB-79	5.06	2.22	pg/sample	JN	lc,k
PDI-WS-T01-1902	WS	PCB-8	312	7.41	pg/sample	J	lc
PDI-WS-T01-1902	WS	PCB-80		2.43	pg/sample	UJ	lc
PDI-WS-T01-1902	WS	PCB-86/87/97/108/119/125	178	0.835	pg/sample	J	q
PDI-WS-T01-1902	WS	PCB-9	23.8	7.82	pg/sample	J	lc
PDI-WS-T01-1902	WS	PCB-94	3.33	0.835	pg/sample	JN	k
PDI-WS-T01-1902	WS	PCB-96	2.95	0.835	pg/sample	JN	k
PDI-WS-T02-1902	WS	PCB-1	134	1.25	pg/sample	J	lc
PDI-WS-T02-1902	WS	PCB-10	16.5	5.36	pg/sample	J	lc
PDI-WS-T02-1902	WS	PCB-114	4.91	1.37	pg/sample	JN	k
PDI-WS-T02-1902	WS	PCB-120	1.13	0.839	pg/sample	JN	k
PDI-WS-T02-1902	WS	PCB-122	1.78	1.45	pg/sample	JN	k
PDI-WS-T02-1902	WS	PCB-123	4.39	1.42	pg/sample	JN	k
PDI-WS-T02-1902	WS	PCB-128/166	23.9	1.03	pg/sample	JN	k
PDI-WS-T02-1902	WS	PCB-130	11.1	1.26	pg/sample	JN	k
PDI-WS-T02-1902	WS	PCB-131	1.93	1.19	pg/sample	JN	k
PDI-WS-T02-1902	WS	PCB-136	28.4	0.839	pg/sample	JN	k
PDI-WS-T02-1902	WS	PCB-137	8.73	1.25	pg/sample	JN	k
PDI-WS-T02-1902	WS	PCB-144	11.3	0.839	pg/sample	JN	k
PDI-WS-T02-1902	WS	PCB-150	1.11	0.839	pg/sample	JN	k
PDI-WS-T02-1902	WS	PCB-156/157	15.8	1.09	pg/sample	JN	bl,k
PDI-WS-T02-1902	WS	PCB-16	144	3.37	pg/sample	J	lc
PDI-WS-T02-1902	WS	PCB-164	14.2	0.865	pg/sample	JN	k
PDI-WS-T02-1902	WS	PCB-167	5.71	0.839	pg/sample	JN	bl,k
PDI-WS-T02-1902	WS	PCB-17	205	2.84	pg/sample	J	lc
PDI-WS-T02-1902	WS	PCB-170	21.2	0.839	pg/sample	J+	bl
PDI-WS-T02-1902	WS	PCB-171/173	5.71	0.839	pg/sample	JN	bl,k
PDI-WS-T02-1902	WS	PCB-172	4.79	0.839	pg/sample	JN	bl,k
PDI-WS-T02-1902	WS	PCB-174	17.6	0.839	pg/sample	JN	k
PDI-WS-T02-1902	WS	PCB-176	3.17	0.839	pg/sample	JN	k
PDI-WS-T02-1902	WS	PCB-177	12.1	0.839	pg/sample	JN	bl,k
PDI-WS-T02-1902	WS	PCB-178	6.34	0.839	pg/sample	J+	bl
PDI-WS-T02-1902	WS	PCB-18/30	334	2.41	pg/sample	J	lc
PDI-WS-T02-1902	WS	PCB-180/193	52.7	0.839	pg/sample	JN	bl,k
PDI-WS-T02-1902	WS	PCB-183/185	15.4	0.839	pg/sample	J+	bl
PDI-WS-T02-1902	WS	PCB-187	34.2	0.839	pg/sample	J+	bl
PDI-WS-T02-1902	WS	PCB-19	136	4.33	pg/sample	J	lc

Sample ID	Matrix	Compound	Result	EDL	Units	Validation Qualifiers	Validation Reason
PDI-WS-T02-1902	WS	PCB-190	4.11	0.839	pg/sample	JN	bl,k
PDI-WS-T02-1902	WS	PCB-191	0.917	0.839	pg/sample	JN	k
PDI-WS-T02-1902	WS	PCB-194	9.25	0.839	pg/sample	J+	bl
PDI-WS-T02-1902	WS	PCB-195	4.13	0.839	pg/sample	JN	bl,k
PDI-WS-T02-1902	WS	PCB-196	5.55	0.839	pg/sample	JN	bl,k
PDI-WS-T02-1902	WS	PCB-197/200	2.78	0.839	pg/sample	J+	bl
PDI-WS-T02-1902	WS	PCB-198/199	13.0	0.839	pg/sample	JN	bl,k
PDI-WS-T02-1902	WS	PCB-2	47.7	1.27	pg/sample	J	lc
PDI-WS-T02-1902	WS	PCB-20/28	656	3.00	pg/sample	J	lc
PDI-WS-T02-1902	WS	PCB-202	4.05	0.839	pg/sample	JN	bl,k
PDI-WS-T02-1902	WS	PCB-203		7.32	pg/sample	U	bl
PDI-WS-T02-1902	WS	PCB-206		10.4	pg/sample	U	bl
PDI-WS-T02-1902	WS	PCB-207		1.58	pg/sample	U	bl
PDI-WS-T02-1902	WS	PCB-208	3.72	1.71	pg/sample	JN	bl,k
PDI-WS-T02-1902	WS	PCB-209 (decachlorobiphenyl)	6.91	0.839	pg/sample	J+	bl
PDI-WS-T02-1902	WS	PCB-21/33	279	2.87	pg/sample	J	lc
PDI-WS-T02-1902	WS	PCB-22	226	3.29	pg/sample	J	lc
PDI-WS-T02-1902	WS	PCB-23		3.12	pg/sample	UJ	lc
PDI-WS-T02-1902	WS	PCB-24	5.16	2.21	pg/sample	J	lc
PDI-WS-T02-1902	WS	PCB-25	82.8	2.64	pg/sample	J	lc
PDI-WS-T02-1902	WS	PCB-26/29	130	2.95	pg/sample	J	lc
PDI-WS-T02-1902	WS	PCB-27	36.9	1.98	pg/sample	J	lc
PDI-WS-T02-1902	WS	PCB-31	543	2.84	pg/sample	J	lc
PDI-WS-T02-1902	WS	PCB-32	137	2.79	pg/sample	J	lc
PDI-WS-T02-1902	WS	PCB-34		2.99	pg/sample	UJ	lc
PDI-WS-T02-1902	WS	PCB-35	14.8	3.33	pg/sample	JN	lc,k
PDI-WS-T02-1902	WS	PCB-36		2.95	pg/sample	UJ	lc
PDI-WS-T02-1902	WS	PCB-38		2.96	pg/sample	UJ	lc
PDI-WS-T02-1902	WS	PCB-39		3.05	pg/sample	UJ	lc
PDI-WS-T02-1902	WS	PCB-4	356	9.27	pg/sample	J	lc
PDI-WS-T02-1902	WS	PCB-40/41/71	246	0.839	pg/sample	J	lc
PDI-WS-T02-1902	WS	PCB-42	132	0.839	pg/sample	J	lc
PDI-WS-T02-1902	WS	PCB-43	19.5	0.872	pg/sample	JN	lc,k
PDI-WS-T02-1902	WS	PCB-44/47/65	894	0.839	pg/sample	J	lc
PDI-WS-T02-1902	WS	PCB-45/51	1030	0.839	pg/sample	J	lc
PDI-WS-T02-1902	WS	PCB-46	29.8	0.839	pg/sample	J	lc
PDI-WS-T02-1902	WS	PCB-48	86.4	0.839	pg/sample	J	lc
PDI-WS-T02-1902	WS	PCB-49/69	395	0.839	pg/sample	J	lc
PDI-WS-T02-1902	WS	PCB-5	7.32	6.07	pg/sample	J	lc

Sample ID	Matrix	Compound	Result	EDL	Units	Validation Qualifiers	Validation Reason
PDI-WS-T02-1902	WS	PCB-50/53	94.1	0.839	pg/sample	J	lc
PDI-WS-T02-1902	WS	PCB-52	849	0.839	pg/sample	J	lc
PDI-WS-T02-1902	WS	PCB-54	7.27	0.839	pg/sample	JN	lc,k
PDI-WS-T02-1902	WS	PCB-55		3.50	pg/sample	UJ	lc
PDI-WS-T02-1902	WS	PCB-56	153	3.35	pg/sample	J	lc
PDI-WS-T02-1902	WS	PCB-57		3.04	pg/sample	UJ	lc
PDI-WS-T02-1902	WS	PCB-58		3.16	pg/sample	UJ	lc
PDI-WS-T02-1902	WS	PCB-59/62/75	46.5	0.839	pg/sample	J	lc
PDI-WS-T02-1902	WS	PCB-6	98.2	5.44	pg/sample	J	lc
PDI-WS-T02-1902	WS	PCB-60	70.0	3.31	pg/sample	J	lc
PDI-WS-T02-1902	WS	PCB-61/70/74/76	715	3.12	pg/sample	J	lc
PDI-WS-T02-1902	WS	PCB-63	15.9	3.15	pg/sample	J	lc
PDI-WS-T02-1902	WS	PCB-64	204	0.839	pg/sample	J	lc
PDI-WS-T02-1902	WS	PCB-66	359	3.23	pg/sample	J	lc
PDI-WS-T02-1902	WS	PCB-67	9.88	2.62	pg/sample	J	lc
PDI-WS-T02-1902	WS	PCB-68	291	2.94	pg/sample	J	lc
PDI-WS-T02-1902	WS	PCB-7	23.0	5.56	pg/sample	J	lc
PDI-WS-T02-1902	WS	PCB-72	7.98	2.93	pg/sample	J	lc
PDI-WS-T02-1902	WS	PCB-73		0.839	pg/sample	UJ	lc
PDI-WS-T02-1902	WS	PCB-78		3.31	pg/sample	UJ	lc
PDI-WS-T02-1902	WS	PCB-79	3.18	2.68	pg/sample	JN	lc,k
PDI-WS-T02-1902	WS	PCB-8	346	5.06	pg/sample	J	lc
PDI-WS-T02-1902	WS	PCB-80		2.94	pg/sample	UJ	lc
PDI-WS-T02-1902	WS	PCB-86/87/97/108/119/125	215	0.839	pg/sample	J	q
PDI-WS-T02-1902	WS	PCB-88/91	67.1	0.839	pg/sample	JN	k
PDI-WS-T02-1902	WS	PCB-9	24.5	5.34	pg/sample	JN	lc,k
PDI-WS-T02-1902	WS	PCB-96	3.04	0.839	pg/sample	JN	k
PDI-WS-T03-1902	WS	PCB-1	176	1.48	pg/sample	J	cl,lc
PDI-WS-T03-1902	WS	PCB-10	27.8	6.77	pg/sample	J	cl,lc
PDI-WS-T03-1902	WS	PCB-103	6.26	0.839	pg/sample	JN	cl,lc,k
PDI-WS-T03-1902	WS	PCB-104		0.839	pg/sample	UJ	cl,lc
PDI-WS-T03-1902	WS	PCB-105	81.0	1.57	pg/sample	J	cl
PDI-WS-T03-1902	WS	PCB-106		1.28	pg/sample	UJ	cl,lc
PDI-WS-T03-1902	WS	PCB-107/124	11.9	1.44	pg/sample	J	cl,lc
PDI-WS-T03-1902	WS	PCB-109	20.1	1.32	pg/sample	J	cl,lc
PDI-WS-T03-1902	WS	PCB-11	1030	7.37	pg/sample	J	cl,lc
PDI-WS-T03-1902	WS	PCB-110/115	370	0.839	pg/sample	J	cl,lc
PDI-WS-T03-1902	WS	PCB-111		0.839	pg/sample	UJ	cl,lc
PDI-WS-T03-1902	WS	PCB-112		0.839	pg/sample	UJ	cl,lc
PDI-WS-T03-1902	WS	PCB-114	3.95	1.37	pg/sample	J	cl

Sample ID	Matrix	Compound	Result	EDL	Units	Validation Qualifiers	Validation Reason
PDI-WS-T03-1902	WS	PCB-118	256	1.41	pg/sample	J	cl
PDI-WS-T03-1902	WS	PCB-12/13	46.4	7.47	pg/sample	JN	cl,lc,k
PDI-WS-T03-1902	WS	PCB-120	2.06	0.839	pg/sample	J	cl,lc
PDI-WS-T03-1902	WS	PCB-121		0.839	pg/sample	UJ	cl,lc
PDI-WS-T03-1902	WS	PCB-122	1.72	1.51	pg/sample	JN	cl,lc,k
PDI-WS-T03-1902	WS	PCB-123	7.78	1.46	pg/sample	JN	cl,k
PDI-WS-T03-1902	WS	PCB-126		1.93	pg/sample	UJ	cl
PDI-WS-T03-1902	WS	PCB-127		1.53	pg/sample	UJ	cl,lc
PDI-WS-T03-1902	WS	PCB-128/166	29.3	0.839	pg/sample	J	cl,lc
PDI-WS-T03-1902	WS	PCB-129/138/160/163	252	0.839	pg/sample	J	cl,lc
PDI-WS-T03-1902	WS	PCB-130	16.5	0.839	pg/sample	J	cl,lc
PDI-WS-T03-1902	WS	PCB-131	3.21	0.839	pg/sample	JN	cl,lc,k
PDI-WS-T03-1902	WS	PCB-132	70.7	0.839	pg/sample	JN	cl,lc,k
PDI-WS-T03-1902	WS	PCB-133	7.55	0.839	pg/sample	J	cl,lc
PDI-WS-T03-1902	WS	PCB-134/143	13.9	0.839	pg/sample	JN	cl,lc,k
PDI-WS-T03-1902	WS	PCB-135/151/154	106	0.839	pg/sample	J	cl,lc
PDI-WS-T03-1902	WS	PCB-136	30.4	0.839	pg/sample	J	cl,lc
PDI-WS-T03-1902	WS	PCB-137	10.3	0.839	pg/sample	JN	cl,lc,k
PDI-WS-T03-1902	WS	PCB-139/140	4.89	0.839	pg/sample	J	cl,lc
PDI-WS-T03-1902	WS	PCB-14		7.08	pg/sample	UJ	cl,lc
PDI-WS-T03-1902	WS	PCB-141	43.7	0.839	pg/sample	J	cl,lc
PDI-WS-T03-1902	WS	PCB-142		0.839	pg/sample	UJ	cl,lc
PDI-WS-T03-1902	WS	PCB-144	11.3	0.839	pg/sample	J	cl,lc
PDI-WS-T03-1902	WS	PCB-145		0.839	pg/sample	UJ	cl,lc
PDI-WS-T03-1902	WS	PCB-146	47.8	0.839	pg/sample	J	cl,lc
PDI-WS-T03-1902	WS	PCB-147/149	222	0.839	pg/sample	J	cl,lc
PDI-WS-T03-1902	WS	PCB-148		0.839	pg/sample	UJ	cl,lc
PDI-WS-T03-1902	WS	PCB-15	175	7.57	pg/sample	J	cl,lc
PDI-WS-T03-1902	WS	PCB-150		0.839	pg/sample	UJ	cl,lc
PDI-WS-T03-1902	WS	PCB-152		0.839	pg/sample	UJ	cl,lc
PDI-WS-T03-1902	WS	PCB-153/168	241	0.839	pg/sample	J	cl,lc
PDI-WS-T03-1902	WS	PCB-155		0.839	pg/sample	UJ	cl
PDI-WS-T03-1902	WS	PCB-156/157	18.7	0.839	pg/sample	J	cl
PDI-WS-T03-1902	WS	PCB-158	21.2	0.839	pg/sample	JN	cl,lc,k
PDI-WS-T03-1902	WS	PCB-159	1.60	0.839	pg/sample	JN	cl,lc,k
PDI-WS-T03-1902	WS	PCB-16	162	2.30	pg/sample	J	cl,lc
PDI-WS-T03-1902	WS	PCB-161		0.839	pg/sample	UJ	cl,lc
PDI-WS-T03-1902	WS	PCB-162		0.839	pg/sample	UJ	cl,lc
PDI-WS-T03-1902	WS	PCB-164	18.4	0.839	pg/sample	J	cl,lc
PDI-WS-T03-1902	WS	PCB-165		0.839	pg/sample	UJ	cl,lc



Sample ID	Matrix	Compound	Result	EDL	Units	Validation Qualifiers	Validation Reason
PDI-WS-T03-1902	WS	PCB-167	8.87	0.839	pg/sample	J	cl
PDI-WS-T03-1902	WS	PCB-169		1.09	pg/sample	UJ	cl,lc
PDI-WS-T03-1902	WS	PCB-17	226	1.94	pg/sample	J	cl,lc
PDI-WS-T03-1902	WS	PCB-170	29.9	0.839	pg/sample	JN	cl,k
PDI-WS-T03-1902	WS	PCB-171/173	7.19	0.839	pg/sample	JN	cl,k
PDI-WS-T03-1902	WS	PCB-172	7.38	0.839	pg/sample	JN	cl,k
PDI-WS-T03-1902	WS	PCB-174	25.7	0.839	pg/sample	J	cl
PDI-WS-T03-1902	WS	PCB-175	1.61	0.839	pg/sample	JN	cl,k
PDI-WS-T03-1902	WS	PCB-176	3.73	0.839	pg/sample	J	cl
PDI-WS-T03-1902	WS	PCB-177	14.2	0.839	pg/sample	JN	bl,cl,k
PDI-WS-T03-1902	WS	PCB-178	10.7	0.839	pg/sample	J	cl
PDI-WS-T03-1902	WS	PCB-179	12.0	0.839	pg/sample	JN	cl,k
PDI-WS-T03-1902	WS	PCB-18/30	390	1.65	pg/sample	J	cl,lc
PDI-WS-T03-1902	WS	PCB-180/193	93.6	0.839	pg/sample	J	cl
PDI-WS-T03-1902	WS	PCB-181		0.839	pg/sample	UJ	cl
PDI-WS-T03-1902	WS	PCB-182		0.839	pg/sample	UJ	cl
PDI-WS-T03-1902	WS	PCB-183/185	18.7	0.839	pg/sample	J	cl
PDI-WS-T03-1902	WS	PCB-184		0.839	pg/sample	UJ	cl
PDI-WS-T03-1902	WS	PCB-186		0.839	pg/sample	UJ	cl
PDI-WS-T03-1902	WS	PCB-187	53.1	0.839	pg/sample	J	cl
PDI-WS-T03-1902	WS	PCB-188		0.839	pg/sample	UJ	cl
PDI-WS-T03-1902	WS	PCB-189	2.67	0.839	pg/sample	JN	cl,k
PDI-WS-T03-1902	WS	PCB-19	213	3.00	pg/sample	J	cl,lc
PDI-WS-T03-1902	WS	PCB-190	7.24	0.839	pg/sample	JN	bl,cl,k
PDI-WS-T03-1902	WS	PCB-191	1.20	0.839	pg/sample	JN	cl,k
PDI-WS-T03-1902	WS	PCB-192		0.839	pg/sample	UJ	cl
PDI-WS-T03-1902	WS	PCB-194	30.3	0.839	pg/sample	J	bl,cl,lc
PDI-WS-T03-1902	WS	PCB-195	9.70	0.839	pg/sample	J	bl,cl,lc
PDI-WS-T03-1902	WS	PCB-196	10.8	0.839	pg/sample	JN	bl,cl,lc,k
PDI-WS-T03-1902	WS	PCB-197/200	5.29	0.839	pg/sample	JN	bl,cl,lc,k
PDI-WS-T03-1902	WS	PCB-198/199	41.6	0.839	pg/sample	JN	bl,cl,lc,k
PDI-WS-T03-1902	WS	PCB-2	63.4	1.45	pg/sample	J	cl,lc
PDI-WS-T03-1902	WS	PCB-20/28	651	3.17	pg/sample	J	cl,lc
PDI-WS-T03-1902	WS	PCB-201	2.10	0.839	pg/sample	JN	cl,lc,k
PDI-WS-T03-1902	WS	PCB-202	4.44	0.839	pg/sample	J	bl,cl,lc
PDI-WS-T03-1902	WS	PCB-203	24.8	0.839	pg/sample	JN	bl,cl,lc,k
PDI-WS-T03-1902	WS	PCB-204		0.839	pg/sample	UJ	cl,lc
PDI-WS-T03-1902	WS	PCB-205	2.30	0.839	pg/sample	JN	cl,k
PDI-WS-T03-1902	WS	PCB-206	31.0	2.78	pg/sample	J	bl,cl,lc
PDI-WS-T03-1902	WS	PCB-207	6.10	2.01	pg/sample	J	bl,cl,lc

Sample ID	Matrix	Compound	Result	EDL	Units	Validation Qualifiers	Validation Reason
PDI-WS-T03-1902	WS	PCB-208	10.2	2.38	pg/sample	J	bl,cl,lc
PDI-WS-T03-1902	WS	PCB-209 (decachlorobiphenyl)	15.0	0.839	pg/sample	J	bl,cl
PDI-WS-T03-1902	WS	PCB-21/33	251	3.03	pg/sample	J	cl,lc
PDI-WS-T03-1902	WS	PCB-22	208	3.48	pg/sample	J	cl,lc
PDI-WS-T03-1902	WS	PCB-23		3.30	pg/sample	UJ	cl,lc
PDI-WS-T03-1902	WS	PCB-24	4.52	1.51	pg/sample	JN	cl,lc,k
PDI-WS-T03-1902	WS	PCB-25	77.5	2.79	pg/sample	J	cl,lc
PDI-WS-T03-1902	WS	PCB-26/29	131	3.12	pg/sample	J	cl,lc
PDI-WS-T03-1902	WS	PCB-27	41.2	1.35	pg/sample	J	cl,lc
PDI-WS-T03-1902	WS	PCB-3	134	1.41	pg/sample	J	cl,lc
PDI-WS-T03-1902	WS	PCB-31	513	3.00	pg/sample	J	cl,lc
PDI-WS-T03-1902	WS	PCB-32	175	2.94	pg/sample	J	cl,lc
PDI-WS-T03-1902	WS	PCB-34	3.62	3.16	pg/sample	JN	cl,lc,k
PDI-WS-T03-1902	WS	PCB-35	15.0	3.52	pg/sample	J	cl,lc
PDI-WS-T03-1902	WS	PCB-36	4.75	3.12	pg/sample	JN	cl,lc,k
PDI-WS-T03-1902	WS	PCB-37	96.2	3.30	pg/sample	J	cl,lc
PDI-WS-T03-1902	WS	PCB-38		3.13	pg/sample	UJ	cl,lc
PDI-WS-T03-1902	WS	PCB-39		3.23	pg/sample	UJ	cl,lc
PDI-WS-T03-1902	WS	PCB-4	518	12.4	pg/sample	J	cl,lc
PDI-WS-T03-1902	WS	PCB-40/41/71	246	0.839	pg/sample	J	cl,lc
PDI-WS-T03-1902	WS	PCB-42	136	0.839	pg/sample	J	cl,lc
PDI-WS-T03-1902	WS	PCB-43	22.9	0.839	pg/sample	J	cl,lc
PDI-WS-T03-1902	WS	PCB-44/47/65	787	0.839	pg/sample	J	cl,lc
PDI-WS-T03-1902	WS	PCB-45/51	910	0.839	pg/sample	J	cl,lc
PDI-WS-T03-1902	WS	PCB-46	34.0	0.839	pg/sample	JN	cl,lc,k
PDI-WS-T03-1902	WS	PCB-48	86.9	0.839	pg/sample	J	cl,lc
PDI-WS-T03-1902	WS	PCB-49/69	430	0.839	pg/sample	J	cl,lc
PDI-WS-T03-1902	WS	PCB-5	10.4	7.66	pg/sample	JN	cl,lc,k
PDI-WS-T03-1902	WS	PCB-50/53	108	0.839	pg/sample	J	cl,lc
PDI-WS-T03-1902	WS	PCB-52	837	0.839	pg/sample	J	cl,lc
PDI-WS-T03-1902	WS	PCB-54	10.5	0.839	pg/sample	J	cl,lc
PDI-WS-T03-1902	WS	PCB-55		3.71	pg/sample	UJ	cl,lc
PDI-WS-T03-1902	WS	PCB-56	151	3.55	pg/sample	J	cl,lc
PDI-WS-T03-1902	WS	PCB-57		3.22	pg/sample	UJ	cl,lc
PDI-WS-T03-1902	WS	PCB-58		3.34	pg/sample	UJ	cl,lc
PDI-WS-T03-1902	WS	PCB-59/62/75	43.7	0.839	pg/sample	J	cl,lc
PDI-WS-T03-1902	WS	PCB-6	95.7	6.87	pg/sample	J	cl,lc
PDI-WS-T03-1902	WS	PCB-60	61.0	3.50	pg/sample	J	cl,lc
PDI-WS-T03-1902	WS	PCB-61/70/74/76	726	3.30	pg/sample	J	cl,lc

Sample ID	Matrix	Compound	Result	EDL	Units	Validation Qualifiers	Validation Reason
PDI-WS-T03-1902	WS	PCB-63	16.3	3.34	pg/sample	JN	cl,lc,k
PDI-WS-T03-1902	WS	PCB-64	206	0.839	pg/sample	J	cl,lc
PDI-WS-T03-1902	WS	PCB-66	382	3.42	pg/sample	J	cl,lc
PDI-WS-T03-1902	WS	PCB-67	9.93	2.77	pg/sample	J	cl,lc
PDI-WS-T03-1902	WS	PCB-68	200	3.11	pg/sample	J	cl,lc
PDI-WS-T03-1902	WS	PCB-7	21.2	7.02	pg/sample	J	cl,lc
PDI-WS-T03-1902	WS	PCB-72	9.71	3.10	pg/sample	J	cl,lc
PDI-WS-T03-1902	WS	PCB-73		0.839	pg/sample	UJ	cl,lc
PDI-WS-T03-1902	WS	PCB-77	18.3	3.44	pg/sample	J	cl
PDI-WS-T03-1902	WS	PCB-78		3.51	pg/sample	UJ	cl,lc
PDI-WS-T03-1902	WS	PCB-79	5.29	2.84	pg/sample	JN	cl,lc,k
PDI-WS-T03-1902	WS	PCB-8	310	6.38	pg/sample	J	cl,lc
PDI-WS-T03-1902	WS	PCB-80		3.11	pg/sample	UJ	cl,lc
PDI-WS-T03-1902	WS	PCB-81		3.15	pg/sample	UJ	cl
PDI-WS-T03-1902	WS	PCB-82	30.4	0.839	pg/sample	J	cl,lc
PDI-WS-T03-1902	WS	PCB-83/99	240	0.839	pg/sample	J	cl,lc
PDI-WS-T03-1902	WS	PCB-84	98.0	0.839	pg/sample	J	cl,lc
PDI-WS-T03-1902	WS	PCB-85/116/117	59.0	0.839	pg/sample	J	cl,lc
PDI-WS-T03-1902	WS	PCB-86/87/97/108/119/125	228	0.839	pg/sample	J	cl,lc,q
PDI-WS-T03-1902	WS	PCB-88/91	71.0	0.839	pg/sample	J	cl,lc
PDI-WS-T03-1902	WS	PCB-89	4.59	0.839	pg/sample	J	cl,lc
PDI-WS-T03-1902	WS	PCB-9	26.8	6.74	pg/sample	J	cl,lc
PDI-WS-T03-1902	WS	PCB-90/101/113	426	0.839	pg/sample	J	cl,lc
PDI-WS-T03-1902	WS	PCB-92	86.1	0.839	pg/sample	J	cl,lc
PDI-WS-T03-1902	WS	PCB-93/95/98/100/102	406	0.839	pg/sample	J	cl,lc
PDI-WS-T03-1902	WS	PCB-94	4.03	0.839	pg/sample	J	cl,lc
PDI-WS-T03-1902	WS	PCB-96	4.64	0.839	pg/sample	JN	cl,lc,k
PDI-WS-T04-1902	WS	PCB-10	19.5	1.43	pg/sample	J	lc
PDI-WS-T04-1902	WS	PCB-104	1.39	0.840	pg/sample	JN	k
PDI-WS-T04-1902	WS	PCB-107/124	8.24	1.13	pg/sample	JN	k
PDI-WS-T04-1902	WS	PCB-11	830	1.66	pg/sample	J	lc
PDI-WS-T04-1902	WS	PCB-114	5.43	1.27	pg/sample	JN	k
PDI-WS-T04-1902	WS	PCB-12/13	37.2	1.66	pg/sample	J	lc
PDI-WS-T04-1902	WS	PCB-123	8.70	1.29	pg/sample	JN	k
PDI-WS-T04-1902	WS	PCB-131	2.25	0.840	pg/sample	JN	k
PDI-WS-T04-1902	WS	PCB-133	3.99	0.840	pg/sample	J+	bl
PDI-WS-T04-1902	WS	PCB-134/143	11.9	0.840	pg/sample	JN	k
PDI-WS-T04-1902	WS	PCB-137	8.36	0.840	pg/sample	JN	k
PDI-WS-T04-1902	WS	PCB-139/140	3.77	0.840	pg/sample	JN	k
PDI-WS-T04-1902	WS	PCB-14		1.58	pg/sample	UJ	lc

Sample ID	Matrix	Compound	Result	EDL	Units	Validation Qualifiers	Validation Reason
PDI-WS-T04-1902	WS	PCB-155	1.83	0.840	pg/sample	JN	k
PDI-WS-T04-1902	WS	PCB-156/157	17.9	0.840	pg/sample	J+	bl
PDI-WS-T04-1902	WS	PCB-162	1.22	0.840	pg/sample	JN	k
PDI-WS-T04-1902	WS	PCB-164	15.9	0.840	pg/sample	JN	k
PDI-WS-T04-1902	WS	PCB-167	6.27	0.840	pg/sample	JN	bl,k
PDI-WS-T04-1902	WS	PCB-171/173	7.82	0.840	pg/sample	JN	k
PDI-WS-T04-1902	WS	PCB-175	1.27	0.840	pg/sample	JN	k
PDI-WS-T04-1902	WS	PCB-176	3.30	0.840	pg/sample	JN	k
PDI-WS-T04-1902	WS	PCB-177	15.0	0.840	pg/sample	J+	bl
PDI-WS-T04-1902	WS	PCB-178	10.3	0.840	pg/sample	JN	k
PDI-WS-T04-1902	WS	PCB-180/193	82.5	0.840	pg/sample	J+	bl
PDI-WS-T04-1902	WS	PCB-187	45.5	0.840	pg/sample	J+	bl
PDI-WS-T04-1902	WS	PCB-189	2.05	0.840	pg/sample	JN	k
PDI-WS-T04-1902	WS	PCB-190	6.51	0.840	pg/sample	J+	bl
PDI-WS-T04-1902	WS	PCB-191	1.06	0.840	pg/sample	JN	k
PDI-WS-T04-1902	WS	PCB-194	28.4	0.840	pg/sample	J+	bl
PDI-WS-T04-1902	WS	PCB-195	8.33	0.840	pg/sample	JN	bl,k
PDI-WS-T04-1902	WS	PCB-197/200	6.95	0.840	pg/sample	JN	k
PDI-WS-T04-1902	WS	PCB-198/199	52.8	0.840	pg/sample	J+	bl
PDI-WS-T04-1902	WS	PCB-201	2.75	0.840	pg/sample	JN	k
PDI-WS-T04-1902	WS	PCB-202	6.75	0.840	pg/sample	JN	bl,k
PDI-WS-T04-1902	WS	PCB-203	39.1	0.840	pg/sample	JN	bl,k
PDI-WS-T04-1902	WS	PCB-205	1.17	0.840	pg/sample	JN	k
PDI-WS-T04-1902	WS	PCB-206	42.7	0.840	pg/sample	JN	bl,k
PDI-WS-T04-1902	WS	PCB-207	8.78	0.840	pg/sample	J+	bl
PDI-WS-T04-1902	WS	PCB-208	16.2	0.840	pg/sample	JN	bl,k
PDI-WS-T04-1902	WS	PCB-209 (decachlorobiphenyl)	12.3	0.840	pg/sample	JN	bl,k
PDI-WS-T04-1902	WS	PCB-24	6.39	0.840	pg/sample	JN	k
PDI-WS-T04-1902	WS	PCB-35	15.7	0.850	pg/sample	JN	k
PDI-WS-T04-1902	WS	PCB-36	6.27	0.840	pg/sample	JN	k
PDI-WS-T04-1902	WS	PCB-38	1.52	0.840	pg/sample	JN	k
PDI-WS-T04-1902	WS	PCB-39	6.15	0.840	pg/sample	JN	k
PDI-WS-T04-1902	WS	PCB-4	433	2.45	pg/sample	J	lc
PDI-WS-T04-1902	WS	PCB-46	56.9	0.840	pg/sample	JN	k
PDI-WS-T04-1902	WS	PCB-5	7.78	1.67	pg/sample	J	lc
PDI-WS-T04-1902	WS	PCB-54	12.1	0.840	pg/sample	JN	k
PDI-WS-T04-1902	WS	PCB-6	79.9	1.49	pg/sample	J	lc
PDI-WS-T04-1902	WS	PCB-66	274	6.82	pg/sample	J	q
PDI-WS-T04-1902	WS	PCB-67	6.49	5.81	pg/sample	JN	k

Sample ID	Matrix	Compound	Result	EDL	Units	Validation Qualifiers	Validation Reason
PDI-WS-T04-1902	WS	PCB-7	29.4	1.52	pg/sample	J	lc
PDI-WS-T04-1902	WS	PCB-8	272	1.36	pg/sample	J	lc
PDI-WS-T04-1902	WS	PCB-82	28.7	0.840	pg/sample	JN	k
PDI-WS-T04-1902	WS	PCB-86/87/97/108/119/125	216	0.840	pg/sample	J	q
PDI-WS-T04-1902	WS	PCB-89	6.42	0.840	pg/sample	JN	k
PDI-WS-T04-1902	WS	PCB-9	21.1	1.44	pg/sample	J	lc
PDI-WS-T05-1902	WS	PCB-1	144	1.52	pg/sample	J	lc
PDI-WS-T05-1902	WS	PCB-10	18.4	6.02	pg/sample	J	lc
PDI-WS-T05-1902	WS	PCB-107/124	8.05	1.49	pg/sample	JN	k
PDI-WS-T05-1902	WS	PCB-11	919	6.55	pg/sample	J	lc
PDI-WS-T05-1902	WS	PCB-12/13	38.4	6.64	pg/sample	JN	lc,k
PDI-WS-T05-1902	WS	PCB-123	4.80	1.57	pg/sample	JN	k
PDI-WS-T05-1902	WS	PCB-130	9.38	1.58	pg/sample	JN	k
PDI-WS-T05-1902	WS	PCB-131	2.27	1.48	pg/sample	JN	k
PDI-WS-T05-1902	WS	PCB-133	3.19	1.41	pg/sample	JN	bl,k
PDI-WS-T05-1902	WS	PCB-134/143	7.59	1.45	pg/sample	JN	k
PDI-WS-T05-1902	WS	PCB-139/140	1.98	1.33	pg/sample	JN	k
PDI-WS-T05-1902	WS	PCB-14	8.47	6.29	pg/sample	JN	lc,k
PDI-WS-T05-1902	WS	PCB-141	25.9	1.45	pg/sample	JN	k
PDI-WS-T05-1902	WS	PCB-144	7.41	0.839	pg/sample	JN	k
PDI-WS-T05-1902	WS	PCB-15	136	7.29	pg/sample	J	lc
PDI-WS-T05-1902	WS	PCB-155	0.842	0.839	pg/sample	JN	k
PDI-WS-T05-1902	WS	PCB-156/157	13.7	1.44	pg/sample	J+	bl
PDI-WS-T05-1902	WS	PCB-16	123	2.14	pg/sample	J	lc
PDI-WS-T05-1902	WS	PCB-167	4.97	1.22	pg/sample	JN	bl,k
PDI-WS-T05-1902	WS	PCB-17	226	1.80	pg/sample	J	lc
PDI-WS-T05-1902	WS	PCB-170	18.1	0.839	pg/sample	J+	bl
PDI-WS-T05-1902	WS	PCB-171/173	6.31	0.839	pg/sample	J+	bl
PDI-WS-T05-1902	WS	PCB-175	1.32	0.839	pg/sample	JN	k
PDI-WS-T05-1902	WS	PCB-176	3.40	0.839	pg/sample	JN	k
PDI-WS-T05-1902	WS	PCB-177	14.0	0.839	pg/sample	J+	bl
PDI-WS-T05-1902	WS	PCB-178	7.29	0.839	pg/sample	JN	bl,k
PDI-WS-T05-1902	WS	PCB-179	13.8	0.839	pg/sample	JN	k
PDI-WS-T05-1902	WS	PCB-18/30	309	1.53	pg/sample	J	lc
PDI-WS-T05-1902	WS	PCB-180/193	60.9	0.839	pg/sample	J+	bl
PDI-WS-T05-1902	WS	PCB-182	1.41	0.839	pg/sample	JN	k
PDI-WS-T05-1902	WS	PCB-187	39.3	0.839	pg/sample	J+	bl
PDI-WS-T05-1902	WS	PCB-19	138	2.27	pg/sample	J	lc
PDI-WS-T05-1902	WS	PCB-190	5.88	0.839	pg/sample	JN	bl,k
PDI-WS-T05-1902	WS	PCB-194	13.3	0.839	pg/sample	J+	bl

Sample ID	Matrix	Compound	Result	EDL	Units	Validation Qualifiers	Validation Reason
PDI-WS-T05-1902	WS	PCB-195	3.56	0.839	pg/sample	JN	bl,k
PDI-WS-T05-1902	WS	PCB-196	6.12	0.839	pg/sample	J+	bl
PDI-WS-T05-1902	WS	PCB-197/200	2.49	0.839	pg/sample	JN	bl,k
PDI-WS-T05-1902	WS	PCB-198/199	20.4	0.839	pg/sample	JN	bl,k
PDI-WS-T05-1902	WS	PCB-2	55.8	1.52	pg/sample	J	lc
PDI-WS-T05-1902	WS	PCB-20/28	436	2.25	pg/sample	J	lc
PDI-WS-T05-1902	WS	PCB-201	2.21	0.839	pg/sample	JN	k
PDI-WS-T05-1902	WS	PCB-202	5.70	0.839	pg/sample	J+	bl
PDI-WS-T05-1902	WS	PCB-203	14.7	0.839	pg/sample	J+	bl
PDI-WS-T05-1902	WS	PCB-205	1.19	0.839	pg/sample	JN	k
PDI-WS-T05-1902	WS	PCB-206	14.4	3.73	pg/sample	JN	bl,k
PDI-WS-T05-1902	WS	PCB-208	8.20	2.83	pg/sample	J+	bl
PDI-WS-T05-1902	WS	PCB-209 (decachlorobiphenyl)	16.8	0.839	pg/sample	JN	bl,k
PDI-WS-T05-1902	WS	PCB-21/33	436	2.15	pg/sample	J	lc
PDI-WS-T05-1902	WS	PCB-22	145	2.47	pg/sample	J	lc
PDI-WS-T05-1902	WS	PCB-23		2.34	pg/sample	UJ	lc
PDI-WS-T05-1902	WS	PCB-24	6.60	1.40	pg/sample	JN	lc,k
PDI-WS-T05-1902	WS	PCB-25	118	1.98	pg/sample	J	lc
PDI-WS-T05-1902	WS	PCB-26/29	90.2	2.21	pg/sample	J	lc
PDI-WS-T05-1902	WS	PCB-27	40.1	1.26	pg/sample	JN	lc,k
PDI-WS-T05-1902	WS	PCB-31	347	2.13	pg/sample	J	lc
PDI-WS-T05-1902	WS	PCB-32	117	2.09	pg/sample	J	lc
PDI-WS-T05-1902	WS	PCB-34	2.26	2.24	pg/sample	J	lc
PDI-WS-T05-1902	WS	PCB-35	12.5	2.50	pg/sample	JN	lc,k
PDI-WS-T05-1902	WS	PCB-36	5.41	2.21	pg/sample	JN	lc,k
PDI-WS-T05-1902	WS	PCB-38		2.22	pg/sample	UJ	lc
PDI-WS-T05-1902	WS	PCB-39	2.98	2.29	pg/sample	JN	lc,k
PDI-WS-T05-1902	WS	PCB-4	335	9.24	pg/sample	J	lc
PDI-WS-T05-1902	WS	PCB-40/41/71	204	1.06	pg/sample	J	lc
PDI-WS-T05-1902	WS	PCB-42	101	1.09	pg/sample	J	lc
PDI-WS-T05-1902	WS	PCB-43	16.1	1.27	pg/sample	J	lc
PDI-WS-T05-1902	WS	PCB-44/47/65	1750	0.954	pg/sample	J	lc
PDI-WS-T05-1902	WS	PCB-45/51	7840	1.02	pg/sample	J	lc
PDI-WS-T05-1902	WS	PCB-46	40.2	1.17	pg/sample	J	lc
PDI-WS-T05-1902	WS	PCB-48	61.1	1.06	pg/sample	J	lc
PDI-WS-T05-1902	WS	PCB-49/69	305	0.899	pg/sample	J	lc
PDI-WS-T05-1902	WS	PCB-5	7.87	6.81	pg/sample	JN	lc,k
PDI-WS-T05-1902	WS	PCB-50/53	81.8	0.985	pg/sample	J	lc
PDI-WS-T05-1902	WS	PCB-52	585	0.997	pg/sample	J	lc

Sample ID	Matrix	Compound	Result	EDL	Units	Validation Qualifiers	Validation Reason
PDI-WS-T05-1902	WS	PCB-54	5.25	0.885	pg/sample	JN	lc,k
PDI-WS-T05-1902	WS	PCB-55		2.56	pg/sample	UJ	lc
PDI-WS-T05-1902	WS	PCB-56	108	2.45	pg/sample	J	lc
PDI-WS-T05-1902	WS	PCB-57		2.22	pg/sample	UJ	lc
PDI-WS-T05-1902	WS	PCB-58		2.31	pg/sample	UJ	lc
PDI-WS-T05-1902	WS	PCB-59/62/75	34.6	0.839	pg/sample	JN	lc,k
PDI-WS-T05-1902	WS	PCB-6	82.3	6.11	pg/sample	J	lc
PDI-WS-T05-1902	WS	PCB-60	46.4	2.41	pg/sample	J	lc
PDI-WS-T05-1902	WS	PCB-61/70/74/76	451	2.28	pg/sample	J	lc
PDI-WS-T05-1902	WS	PCB-63	12.2	2.30	pg/sample	J	lc
PDI-WS-T05-1902	WS	PCB-64	161	0.839	pg/sample	J	lc
PDI-WS-T05-1902	WS	PCB-66	239	2.36	pg/sample	J	lc
PDI-WS-T05-1902	WS	PCB-67	6.53	1.91	pg/sample	JN	lc,k
PDI-WS-T05-1902	WS	PCB-68	1810	2.15	pg/sample	J	lc
PDI-WS-T05-1902	WS	PCB-7	26.3	6.23	pg/sample	J	lc
PDI-WS-T05-1902	WS	PCB-72	5.97	2.14	pg/sample	JN	lc,k
PDI-WS-T05-1902	WS	PCB-73		0.839	pg/sample	UJ	lc
PDI-WS-T05-1902	WS	PCB-77	14.5	2.46	pg/sample	JN	k
PDI-WS-T05-1902	WS	PCB-78		2.42	pg/sample	UJ	lc
PDI-WS-T05-1902	WS	PCB-79	4.21	1.96	pg/sample	JN	lc,k
PDI-WS-T05-1902	WS	PCB-8	247	5.67	pg/sample	J	lc
PDI-WS-T05-1902	WS	PCB-80		2.15	pg/sample	UJ	lc
PDI-WS-T05-1902	WS	PCB-89	4.65	0.839	pg/sample	JN	k
PDI-WS-T05-1902	WS	PCB-9	18.4	5.99	pg/sample	JN	lc,k
PDI-WS-T06-1901	WS	PCB-1	130	2.06	pg/sample	J	cl,lc
PDI-WS-T06-1901	WS	PCB-10	11.6	11.3	pg/sample	J	cl,lc
PDI-WS-T06-1901	WS	PCB-103	2.69	0.837	pg/sample	JN	cl,lc,k
PDI-WS-T06-1901	WS	PCB-104		0.837	pg/sample	UJ	cl,lc
PDI-WS-T06-1901	WS	PCB-105	46.9	1.71	pg/sample	J	cl,lc
PDI-WS-T06-1901	WS	PCB-106		1.37	pg/sample	UJ	cl,lc
PDI-WS-T06-1901	WS	PCB-107/124	6.91	1.54	pg/sample	J	cl,lc
PDI-WS-T06-1901	WS	PCB-109	10.9	1.41	pg/sample	J	cl,lc
PDI-WS-T06-1901	WS	PCB-11	712	12.2	pg/sample	J	cl,lc
PDI-WS-T06-1901	WS	PCB-110/115	206	0.837	pg/sample	J	cl,lc
PDI-WS-T06-1901	WS	PCB-111		0.837	pg/sample	UJ	cl,lc
PDI-WS-T06-1901	WS	PCB-112		0.837	pg/sample	UJ	cl,lc
PDI-WS-T06-1901	WS	PCB-114	1.71	1.55	pg/sample	JN	cl,lc,k
PDI-WS-T06-1901	WS	PCB-118	129	1.57	pg/sample	J	cl
PDI-WS-T06-1901	WS	PCB-12/13	37.3	12.4	pg/sample	J	cl,lc
PDI-WS-T06-1901	WS	PCB-120	1.05	0.837	pg/sample	J	cl,lc

Sample ID	Matrix	Compound	Result	EDL	Units	Validation Qualifiers	Validation Reason
PDI-WS-T06-1901	WS	PCB-121		0.837	pg/sample	UJ	cl,lc
PDI-WS-T06-1901	WS	PCB-122		1.62	pg/sample	UJ	cl,lc
PDI-WS-T06-1901	WS	PCB-123	3.96	1.60	pg/sample	JN	cl,k
PDI-WS-T06-1901	WS	PCB-126		2.24	pg/sample	UJ	cl,lc
PDI-WS-T06-1901	WS	PCB-127		1.64	pg/sample	UJ	cl,lc
PDI-WS-T06-1901	WS	PCB-128/166	18.9	1.34	pg/sample	J	cl,lc
PDI-WS-T06-1901	WS	PCB-129/138/160/163	144	1.36	pg/sample	J	cl,lc
PDI-WS-T06-1901	WS	PCB-130	10.2	1.64	pg/sample	J	cl,lc
PDI-WS-T06-1901	WS	PCB-131		1.54	pg/sample	UJ	cl,lc
PDI-WS-T06-1901	WS	PCB-132	36.4	1.59	pg/sample	J	cl,lc
PDI-WS-T06-1901	WS	PCB-133	3.57	1.47	pg/sample	JN	bl,cl,lc,k
PDI-WS-T06-1901	WS	PCB-134/143	7.82	1.51	pg/sample	J	cl,lc
PDI-WS-T06-1901	WS	PCB-135/151/154	49.7	0.837	pg/sample	J	cl,lc
PDI-WS-T06-1901	WS	PCB-136	19.2	0.837	pg/sample	J	cl,lc
PDI-WS-T06-1901	WS	PCB-137	4.69	1.61	pg/sample	JN	cl,lc,k
PDI-WS-T06-1901	WS	PCB-139/140	2.85	1.38	pg/sample	JN	cl,lc,k
PDI-WS-T06-1901	WS	PCB-14		11.8	pg/sample	UJ	cl,lc
PDI-WS-T06-1901	WS	PCB-141	21.1	1.50	pg/sample	J	cl,lc
PDI-WS-T06-1901	WS	PCB-142		1.50	pg/sample	UJ	cl,lc
PDI-WS-T06-1901	WS	PCB-144	6.59	0.837	pg/sample	JN	cl,lc,k
PDI-WS-T06-1901	WS	PCB-145		0.837	pg/sample	UJ	cl,lc
PDI-WS-T06-1901	WS	PCB-146	27.3	1.30	pg/sample	J	cl,lc
PDI-WS-T06-1901	WS	PCB-147/149	119	1.33	pg/sample	J	cl,lc
PDI-WS-T06-1901	WS	PCB-148		0.837	pg/sample	UJ	cl,lc
PDI-WS-T06-1901	WS	PCB-15	91.1	12.4	pg/sample	J	cl,lc
PDI-WS-T06-1901	WS	PCB-150		0.837	pg/sample	UJ	cl,lc
PDI-WS-T06-1901	WS	PCB-152		0.837	pg/sample	UJ	cl,lc
PDI-WS-T06-1901	WS	PCB-153/168	135	1.19	pg/sample	J	cl,lc
PDI-WS-T06-1901	WS	PCB-155	0.881	0.837	pg/sample	JN	cl,k
PDI-WS-T06-1901	WS	PCB-156/157	12.7	1.51	pg/sample	J	bl,cl,lc
PDI-WS-T06-1901	WS	PCB-158	10.1	1.04	pg/sample	J	cl,lc
PDI-WS-T06-1901	WS	PCB-159		1.13	pg/sample	UJ	cl,lc
PDI-WS-T06-1901	WS	PCB-16	77.2	4.17	pg/sample	J	cl,lc
PDI-WS-T06-1901	WS	PCB-161		1.06	pg/sample	UJ	cl,lc
PDI-WS-T06-1901	WS	PCB-162		1.14	pg/sample	UJ	cl,lc
PDI-WS-T06-1901	WS	PCB-164	8.86	1.12	pg/sample	JN	cl,lc,k
PDI-WS-T06-1901	WS	PCB-165		1.25	pg/sample	UJ	cl,lc
PDI-WS-T06-1901	WS	PCB-167	5.27	1.15	pg/sample	J	bl,cl,lc
PDI-WS-T06-1901	WS	PCB-169		1.88	pg/sample	UJ	cl,lc
PDI-WS-T06-1901	WS	PCB-17	211	3.51	pg/sample	J	cl,lc



Sample ID	Matrix	Compound	Result	EDL	Units	Validation Qualifiers	Validation Reason
PDI-WS-T06-1901	WS	PCB-170	17.6	0.837	pg/sample	J	bl,cl
PDI-WS-T06-1901	WS	PCB-171/173	4.62	0.837	pg/sample	JN	bl,cl,k
PDI-WS-T06-1901	WS	PCB-172		0.837	pg/sample	UJ	cl
PDI-WS-T06-1901	WS	PCB-174	14.8	0.837	pg/sample	JN	bl,cl,k
PDI-WS-T06-1901	WS	PCB-175		0.837	pg/sample	UJ	cl
PDI-WS-T06-1901	WS	PCB-176	2.08	0.837	pg/sample	J	cl
PDI-WS-T06-1901	WS	PCB-177	8.49	0.837	pg/sample	JN	bl,cl,k
PDI-WS-T06-1901	WS	PCB-178	6.42	0.837	pg/sample	J	bl,cl
PDI-WS-T06-1901	WS	PCB-179	8.59	0.837	pg/sample	J	cl
PDI-WS-T06-1901	WS	PCB-18/30	192	2.98	pg/sample	J	cl,lc
PDI-WS-T06-1901	WS	PCB-180/193	54.6	0.837	pg/sample	J	bl,cl
PDI-WS-T06-1901	WS	PCB-181		0.837	pg/sample	UJ	cl
PDI-WS-T06-1901	WS	PCB-182		0.837	pg/sample	UJ	cl
PDI-WS-T06-1901	WS	PCB-183/185	14.1	0.837	pg/sample	JN	bl,cl,k
PDI-WS-T06-1901	WS	PCB-184		0.837	pg/sample	UJ	cl
PDI-WS-T06-1901	WS	PCB-186		0.837	pg/sample	UJ	cl
PDI-WS-T06-1901	WS	PCB-187	33.6	0.837	pg/sample	JN	bl,cl,k
PDI-WS-T06-1901	WS	PCB-188		0.837	pg/sample	UJ	cl
PDI-WS-T06-1901	WS	PCB-189	1.73	0.837	pg/sample	JN	cl,k
PDI-WS-T06-1901	WS	PCB-19	72.0	5.02	pg/sample	JN	cl,lc,k
PDI-WS-T06-1901	WS	PCB-190	3.56	0.837	pg/sample	JN	bl,cl,k
PDI-WS-T06-1901	WS	PCB-191	0.850	0.837	pg/sample	JN	cl,k
PDI-WS-T06-1901	WS	PCB-192		0.837	pg/sample	UJ	cl
PDI-WS-T06-1901	WS	PCB-194	14.7	0.837	pg/sample	JN	bl,cl,lc,k
PDI-WS-T06-1901	WS	PCB-195	4.85	0.837	pg/sample	J	bl,cl,lc
PDI-WS-T06-1901	WS	PCB-196	11.3	0.837	pg/sample	JN	bl,cl,lc,k
PDI-WS-T06-1901	WS	PCB-197/200	2.17	0.837	pg/sample	JN	bl,cl,lc,k
PDI-WS-T06-1901	WS	PCB-198/199	27.0	0.837	pg/sample	J	bl,cl,lc
PDI-WS-T06-1901	WS	PCB-2	66.2	2.08	pg/sample	J	cl,lc
PDI-WS-T06-1901	WS	PCB-20/28	301	4.60	pg/sample	J	cl,lc
PDI-WS-T06-1901	WS	PCB-201	1.49	0.837	pg/sample	J	cl,lc
PDI-WS-T06-1901	WS	PCB-202	5.97	0.837	pg/sample	JN	bl,cl,lc,k
PDI-WS-T06-1901	WS	PCB-203	20.1	0.837	pg/sample	JN	bl,cl,lc,k
PDI-WS-T06-1901	WS	PCB-204		0.837	pg/sample	UJ	cl,lc
PDI-WS-T06-1901	WS	PCB-205		0.837	pg/sample	UJ	cl
PDI-WS-T06-1901	WS	PCB-206	20.6	5.13	pg/sample	J	bl,cl
PDI-WS-T06-1901	WS	PCB-207	5.01	3.52	pg/sample	JN	bl,cl,k
PDI-WS-T06-1901	WS	PCB-208	11.0	3.99	pg/sample	JN	bl,cl,k
PDI-WS-T06-1901	WS	PCB-209 (decachlorobiphenyl)	7.46	0.837	pg/sample	J	bl,cl

Sample ID	Matrix	Compound	Result	EDL	Units	Validation Qualifiers	Validation Reason
PDI-WS-T06-1901	WS	PCB-21/33	499	4.40	pg/sample	J	cl,lc
PDI-WS-T06-1901	WS	PCB-22	92.2	5.04	pg/sample	J	cl,lc
PDI-WS-T06-1901	WS	PCB-23		4.79	pg/sample	UJ	cl,lc
PDI-WS-T06-1901	WS	PCB-24	4.25	2.73	pg/sample	J	cl,lc
PDI-WS-T06-1901	WS	PCB-25	116	4.04	pg/sample	J	cl,lc
PDI-WS-T06-1901	WS	PCB-26/29	55.6	4.52	pg/sample	J	cl,lc
PDI-WS-T06-1901	WS	PCB-27	26.4	2.45	pg/sample	J	cl,lc
PDI-WS-T06-1901	WS	PCB-3	129	2.06	pg/sample	J	cl,lc
PDI-WS-T06-1901	WS	PCB-31	230	4.35	pg/sample	J	cl,lc
PDI-WS-T06-1901	WS	PCB-32	70.5	4.27	pg/sample	J	cl,lc
PDI-WS-T06-1901	WS	PCB-34		4.58	pg/sample	UJ	cl,lc
PDI-WS-T06-1901	WS	PCB-35	9.03	5.11	pg/sample	J	cl,lc
PDI-WS-T06-1901	WS	PCB-36	4.75	4.52	pg/sample	JN	cl,lc,k
PDI-WS-T06-1901	WS	PCB-37	39.9	4.90	pg/sample	J	cl,lc
PDI-WS-T06-1901	WS	PCB-38		4.54	pg/sample	UJ	cl,lc
PDI-WS-T06-1901	WS	PCB-39		4.68	pg/sample	UJ	cl,lc
PDI-WS-T06-1901	WS	PCB-4	260	21.3	pg/sample	J	cl,lc
PDI-WS-T06-1901	WS	PCB-40/41/71	131	1.51	pg/sample	J	cl,lc
PDI-WS-T06-1901	WS	PCB-42	67.4	1.56	pg/sample	J	cl,lc
PDI-WS-T06-1901	WS	PCB-43	8.90	1.81	pg/sample	JN	cl,lc,k
PDI-WS-T06-1901	WS	PCB-44/47/65	2370	1.36	pg/sample	J	cl,lc
PDI-WS-T06-1901	WS	PCB-45/51	11700	1.45	pg/sample	J	cl,lc
PDI-WS-T06-1901	WS	PCB-46	29.1	1.67	pg/sample	JN	cl,lc,k
PDI-WS-T06-1901	WS	PCB-48	41.8	1.51	pg/sample	J	cl,lc
PDI-WS-T06-1901	WS	PCB-49/69	239	1.28	pg/sample	J	cl,lc
PDI-WS-T06-1901	WS	PCB-5		12.7	pg/sample	UJ	cl,lc
PDI-WS-T06-1901	WS	PCB-50/53	54.0	1.40	pg/sample	J	cl,lc
PDI-WS-T06-1901	WS	PCB-52	462	1.42	pg/sample	J	cl,lc
PDI-WS-T06-1901	WS	PCB-54	3.73	1.27	pg/sample	JN	cl,lc,k
PDI-WS-T06-1901	WS	PCB-55		5.20	pg/sample	UJ	cl,lc
PDI-WS-T06-1901	WS	PCB-56	63.7	4.98	pg/sample	J	cl,lc
PDI-WS-T06-1901	WS	PCB-57		4.51	pg/sample	UJ	cl,lc
PDI-WS-T06-1901	WS	PCB-58		4.68	pg/sample	UJ	cl,lc
PDI-WS-T06-1901	WS	PCB-59/62/75	24.3	1.13	pg/sample	J	cl,lc
PDI-WS-T06-1901	WS	PCB-6	56.5	11.4	pg/sample	J	cl,lc
PDI-WS-T06-1901	WS	PCB-60	29.8	4.90	pg/sample	J	cl,lc
PDI-WS-T06-1901	WS	PCB-61/70/74/76	323	4.63	pg/sample	J	cl,lc
PDI-WS-T06-1901	WS	PCB-63	8.80	4.68	pg/sample	J	cl,lc
PDI-WS-T06-1901	WS	PCB-64	106	1.11	pg/sample	J	cl,lc
PDI-WS-T06-1901	WS	PCB-66	175	4.80	pg/sample	J	cl,lc

Sample ID	Matrix	Compound	Result	EDL	Units	Validation Qualifiers	Validation Reason
PDI-WS-T06-1901	WS	PCB-67	4.75	3.89	pg/sample	JN	cl,lc,k
PDI-WS-T06-1901	WS	PCB-68	2170	4.36	pg/sample	J	cl,lc
PDI-WS-T06-1901	WS	PCB-7	27.0	11.7	pg/sample	J	cl,lc
PDI-WS-T06-1901	WS	PCB-72		4.35	pg/sample	UJ	cl,lc
PDI-WS-T06-1901	WS	PCB-73		1.12	pg/sample	UJ	cl,lc
PDI-WS-T06-1901	WS	PCB-77	10.4	5.06	pg/sample	J	cl,lc
PDI-WS-T06-1901	WS	PCB-78		4.91	pg/sample	UJ	cl,lc
PDI-WS-T06-1901	WS	PCB-79		3.97	pg/sample	UJ	cl,lc
PDI-WS-T06-1901	WS	PCB-8	187	10.6	pg/sample	J	cl,lc
PDI-WS-T06-1901	WS	PCB-80		4.36	pg/sample	UJ	cl,lc
PDI-WS-T06-1901	WS	PCB-81		4.69	pg/sample	UJ	cl,lc
PDI-WS-T06-1901	WS	PCB-82	16.4	0.837	pg/sample	JN	cl,lc,k
PDI-WS-T06-1901	WS	PCB-83/99	131	0.837	pg/sample	J	cl,lc
PDI-WS-T06-1901	WS	PCB-84	58.1	0.837	pg/sample	J	cl,lc
PDI-WS-T06-1901	WS	PCB-85/116/117	33.6	0.837	pg/sample	J	cl,lc
PDI-WS-T06-1901	WS	PCB-86/87/97/108/119/125	137	0.837	pg/sample	J	cl,lc
PDI-WS-T06-1901	WS	PCB-88/91	46.3	0.837	pg/sample	J	cl,lc
PDI-WS-T06-1901	WS	PCB-89	3.25	0.837	pg/sample	JN	cl,lc,k
PDI-WS-T06-1901	WS	PCB-9	15.8	11.2	pg/sample	J	cl,lc
PDI-WS-T06-1901	WS	PCB-90/101/113	231	0.837	pg/sample	J	cl,lc
PDI-WS-T06-1901	WS	PCB-92	43.3	0.837	pg/sample	J	cl,lc
PDI-WS-T06-1901	WS	PCB-93/95/98/100/102	216	0.837	pg/sample	J	cl,lc
PDI-WS-T06-1901	WS	PCB-94	1.72	0.837	pg/sample	JN	cl,lc,k
PDI-WS-T06-1901	WS	PCB-96	2.07	0.837	pg/sample	JN	cl,lc,k
PDI-WS-T07-1901	WS	PCB-1	126	2.02	pg/sample	J	cl,lc
PDI-WS-T07-1901	WS	PCB-10		13.0	pg/sample	UJ	cl,lc
PDI-WS-T07-1901	WS	PCB-103	3.52	0.838	pg/sample	JN	cl,lc,k
PDI-WS-T07-1901	WS	PCB-104		0.838	pg/sample	UJ	cl,lc
PDI-WS-T07-1901	WS	PCB-105	48.5	1.11	pg/sample	J	cl,lc
PDI-WS-T07-1901	WS	PCB-106		0.925	pg/sample	UJ	cl,lc
PDI-WS-T07-1901	WS	PCB-107/124	9.46	1.04	pg/sample	J	cl,lc
PDI-WS-T07-1901	WS	PCB-109	12.3	0.954	pg/sample	J	cl,lc
PDI-WS-T07-1901	WS	PCB-11	706	14.1	pg/sample	J	cl,lc
PDI-WS-T07-1901	WS	PCB-110/115	228	0.838	pg/sample	J	cl,lc
PDI-WS-T07-1901	WS	PCB-111		0.838	pg/sample	UJ	cl,lc
PDI-WS-T07-1901	WS	PCB-112		0.838	pg/sample	UJ	cl,lc
PDI-WS-T07-1901	WS	PCB-114	3.07	1.05	pg/sample	J	cl,lc
PDI-WS-T07-1901	WS	PCB-118	140	1.06	pg/sample	J	cl,lc
PDI-WS-T07-1901	WS	PCB-12/13	27.1	14.3	pg/sample	JN	cl,lc,k
PDI-WS-T07-1901	WS	PCB-120	1.34	0.838	pg/sample	JN	cl,lc,k

Sample ID	Matrix	Compound	Result	EDL	Units	Validation Qualifiers	Validation Reason
PDI-WS-T07-1901	WS	PCB-121		0.838	pg/sample	UJ	cl,lc
PDI-WS-T07-1901	WS	PCB-122	1.80	1.10	pg/sample	J	cl,lc
PDI-WS-T07-1901	WS	PCB-123	3.60	1.10	pg/sample	JN	cl,lc,k
PDI-WS-T07-1901	WS	PCB-126		1.43	pg/sample	UJ	cl,lc
PDI-WS-T07-1901	WS	PCB-127		1.11	pg/sample	UJ	cl,lc
PDI-WS-T07-1901	WS	PCB-128/166	18.7	0.838	pg/sample	J	cl,lc
PDI-WS-T07-1901	WS	PCB-129/138/160/163	144	0.838	pg/sample	J	cl,lc
PDI-WS-T07-1901	WS	PCB-130	10.3	0.838	pg/sample	JN	cl,lc,k
PDI-WS-T07-1901	WS	PCB-131	2.03	0.838	pg/sample	JN	cl,lc,k
PDI-WS-T07-1901	WS	PCB-132	39.8	0.838	pg/sample	J	cl,lc
PDI-WS-T07-1901	WS	PCB-133	3.53	0.838	pg/sample	JN	bl,cl,lc,k
PDI-WS-T07-1901	WS	PCB-134/143	8.84	0.838	pg/sample	JN	cl,lc,k
PDI-WS-T07-1901	WS	PCB-135/151/154	56.4	0.838	pg/sample	J	cl,lc
PDI-WS-T07-1901	WS	PCB-136	16.8	0.838	pg/sample	J	cl,lc
PDI-WS-T07-1901	WS	PCB-137	9.63	0.838	pg/sample	J	cl,lc
PDI-WS-T07-1901	WS	PCB-139/140	2.76	0.838	pg/sample	JN	cl,lc,k
PDI-WS-T07-1901	WS	PCB-14		13.6	pg/sample	UJ	cl,lc
PDI-WS-T07-1901	WS	PCB-141	22.0	0.838	pg/sample	JN	cl,lc,k
PDI-WS-T07-1901	WS	PCB-142		0.838	pg/sample	UJ	cl,lc
PDI-WS-T07-1901	WS	PCB-144	7.54	0.838	pg/sample	JN	cl,lc,k
PDI-WS-T07-1901	WS	PCB-145		0.838	pg/sample	UJ	cl,lc
PDI-WS-T07-1901	WS	PCB-146	27.0	0.838	pg/sample	J	cl,lc
PDI-WS-T07-1901	WS	PCB-147/149	131	0.838	pg/sample	J	cl,lc
PDI-WS-T07-1901	WS	PCB-148		0.838	pg/sample	UJ	cl,lc
PDI-WS-T07-1901	WS	PCB-15	84.8	15.8	pg/sample	JN	cl,lc,k
PDI-WS-T07-1901	WS	PCB-150		0.838	pg/sample	UJ	cl,lc
PDI-WS-T07-1901	WS	PCB-152		0.838	pg/sample	UJ	cl,lc
PDI-WS-T07-1901	WS	PCB-153/168	137	0.838	pg/sample	J	cl,lc
PDI-WS-T07-1901	WS	PCB-155	1.10	0.838	pg/sample	JN	cl,lc,k
PDI-WS-T07-1901	WS	PCB-156/157	9.25	0.838	pg/sample	J	bl,cl,lc
PDI-WS-T07-1901	WS	PCB-158	12.6	0.838	pg/sample	JN	cl,lc,k
PDI-WS-T07-1901	WS	PCB-159	1.10	0.838	pg/sample	JN	cl,lc,k
PDI-WS-T07-1901	WS	PCB-16	97.3	5.40	pg/sample	J	cl,lc
PDI-WS-T07-1901	WS	PCB-161		0.838	pg/sample	UJ	cl,lc
PDI-WS-T07-1901	WS	PCB-162	1.05	0.838	pg/sample	JN	cl,lc,k
PDI-WS-T07-1901	WS	PCB-164	10.7	0.838	pg/sample	J	cl,lc
PDI-WS-T07-1901	WS	PCB-165		0.838	pg/sample	UJ	cl,lc
PDI-WS-T07-1901	WS	PCB-167	5.04	0.838	pg/sample	JN	bl,cl,lc,k
PDI-WS-T07-1901	WS	PCB-169		0.838	pg/sample	UJ	cl,lc
PDI-WS-T07-1901	WS	PCB-17	178	4.55	pg/sample	J	cl,lc

Sample ID	Matrix	Compound	Result	EDL	Units	Validation Qualifiers	Validation Reason
PDI-WS-T07-1901	WS	PCB-170	20.8	0.838	pg/sample	JN	bl,cl,lc,k
PDI-WS-T07-1901	WS	PCB-171/173	5.06	0.838	pg/sample	J	bl,cl,lc
PDI-WS-T07-1901	WS	PCB-172	1.83	0.838	pg/sample	JN	bl,cl,lc,k
PDI-WS-T07-1901	WS	PCB-174	16.2	0.838	pg/sample	J	bl,cl,lc
PDI-WS-T07-1901	WS	PCB-175	1.06	0.838	pg/sample	JN	cl,lc,k
PDI-WS-T07-1901	WS	PCB-176	2.42	0.838	pg/sample	J	cl,lc
PDI-WS-T07-1901	WS	PCB-177	9.13	0.838	pg/sample	JN	bl,cl,lc,k
PDI-WS-T07-1901	WS	PCB-178	6.95	0.838	pg/sample	JN	bl,cl,lc,k
PDI-WS-T07-1901	WS	PCB-179	6.36	0.838	pg/sample	J	cl,lc
PDI-WS-T07-1901	WS	PCB-18/30	228	3.87	pg/sample	J	cl,lc
PDI-WS-T07-1901	WS	PCB-180/193	68.5	0.838	pg/sample	J	bl,cl,lc
PDI-WS-T07-1901	WS	PCB-181		0.838	pg/sample	UJ	cl,lc
PDI-WS-T07-1901	WS	PCB-182		0.838	pg/sample	UJ	cl,lc
PDI-WS-T07-1901	WS	PCB-183/185	14.3	0.838	pg/sample	J	bl,cl,lc
PDI-WS-T07-1901	WS	PCB-184		0.838	pg/sample	UJ	cl,lc
PDI-WS-T07-1901	WS	PCB-186		0.838	pg/sample	UJ	cl,lc
PDI-WS-T07-1901	WS	PCB-187	37.5	0.838	pg/sample	J	bl,cl,lc
PDI-WS-T07-1901	WS	PCB-188	0.886	0.838	pg/sample	JN	cl,lc,k
PDI-WS-T07-1901	WS	PCB-189	1.98	0.838	pg/sample	J	cl,lc
PDI-WS-T07-1901	WS	PCB-19	66.9	5.54	pg/sample	J	cl,lc
PDI-WS-T07-1901	WS	PCB-190	4.57	0.838	pg/sample	JN	bl,cl,lc,k
PDI-WS-T07-1901	WS	PCB-191	2.28	0.838	pg/sample	JN	cl,lc,k
PDI-WS-T07-1901	WS	PCB-192		0.838	pg/sample	UJ	cl,lc
PDI-WS-T07-1901	WS	PCB-194	51.8	0.838	pg/sample	JN	cl,lc,k
PDI-WS-T07-1901	WS	PCB-195	14.4	0.838	pg/sample	J	cl,lc
PDI-WS-T07-1901	WS	PCB-196	30.1	0.838	pg/sample	J	cl,lc
PDI-WS-T07-1901	WS	PCB-197/200	8.50	0.838	pg/sample	JN	cl,lc,k
PDI-WS-T07-1901	WS	PCB-198/199	87.2	0.838	pg/sample	J	cl,lc
PDI-WS-T07-1901	WS	PCB-2	67.0	2.15	pg/sample	J	cl,lc
PDI-WS-T07-1901	WS	PCB-20/28	342	4.02	pg/sample	J	cl,lc
PDI-WS-T07-1901	WS	PCB-201	3.47	0.838	pg/sample	J	cl,lc
PDI-WS-T07-1901	WS	PCB-202	7.91	0.838	pg/sample	JN	bl,cl,lc,k
PDI-WS-T07-1901	WS	PCB-203	68.8	0.838	pg/sample	J	cl,lc
PDI-WS-T07-1901	WS	PCB-204		0.838	pg/sample	UJ	cl,lc
PDI-WS-T07-1901	WS	PCB-205	2.15	0.838	pg/sample	JN	cl,lc,k
PDI-WS-T07-1901	WS	PCB-206	88.7	5.76	pg/sample	J	cl,lc
PDI-WS-T07-1901	WS	PCB-207	18.0	3.86	pg/sample	J	cl,lc
PDI-WS-T07-1901	WS	PCB-208	35.0	4.30	pg/sample	J	cl,lc
PDI-WS-T07-1901	WS	PCB-209 (decachlorobiphenyl)	13.8	0.838	pg/sample	J	bl,cl,lc

Sample ID	Matrix	Compound	Result	EDL	Units	Validation Qualifiers	Validation Reason
PDI-WS-T07-1901	WS	PCB-21/33	214	3.84	pg/sample	J	cl,lc
PDI-WS-T07-1901	WS	PCB-22	104	4.41	pg/sample	J	cl,lc
PDI-WS-T07-1901	WS	PCB-23		4.18	pg/sample	UJ	cl,lc
PDI-WS-T07-1901	WS	PCB-24	5.00	3.53	pg/sample	J	cl,lc
PDI-WS-T07-1901	WS	PCB-25	92.7	3.53	pg/sample	J	cl,lc
PDI-WS-T07-1901	WS	PCB-26/29	69.0	3.95	pg/sample	J	cl,lc
PDI-WS-T07-1901	WS	PCB-27	29.5	3.18	pg/sample	J	cl,lc
PDI-WS-T07-1901	WS	PCB-3	140	2.25	pg/sample	J	cl,lc
PDI-WS-T07-1901	WS	PCB-31	273	3.80	pg/sample	J	cl,lc
PDI-WS-T07-1901	WS	PCB-32	87.2	3.73	pg/sample	J	cl,lc
PDI-WS-T07-1901	WS	PCB-34		4.00	pg/sample	UJ	cl,lc
PDI-WS-T07-1901	WS	PCB-35	11.4	4.46	pg/sample	JN	cl,lc,k
PDI-WS-T07-1901	WS	PCB-36	6.01	3.95	pg/sample	J	cl,lc
PDI-WS-T07-1901	WS	PCB-37	44.7	4.54	pg/sample	J	cl,lc
PDI-WS-T07-1901	WS	PCB-38		3.97	pg/sample	UJ	cl,lc
PDI-WS-T07-1901	WS	PCB-39		4.09	pg/sample	UJ	cl,lc
PDI-WS-T07-1901	WS	PCB-4	247	20.1	pg/sample	J	cl,lc
PDI-WS-T07-1901	WS	PCB-40/41/71	122	1.56	pg/sample	J	cl,lc
PDI-WS-T07-1901	WS	PCB-42	73.1	1.61	pg/sample	J	cl,lc
PDI-WS-T07-1901	WS	PCB-43	11.0	1.87	pg/sample	J	cl,lc
PDI-WS-T07-1901	WS	PCB-44/47/65	1400	1.40	pg/sample	J	cl,lc
PDI-WS-T07-1901	WS	PCB-45/51	3000	1.50	pg/sample	J	cl,lc
PDI-WS-T07-1901	WS	PCB-46	26.8	1.73	pg/sample	J	cl,lc
PDI-WS-T07-1901	WS	PCB-48	45.3	1.56	pg/sample	JN	cl,lc,k
PDI-WS-T07-1901	WS	PCB-49/69	224	1.32	pg/sample	J	cl,lc
PDI-WS-T07-1901	WS	PCB-5		14.7	pg/sample	UJ	cl,lc
PDI-WS-T07-1901	WS	PCB-50/53	52.8	1.45	pg/sample	J	cl,lc
PDI-WS-T07-1901	WS	PCB-52	478	1.47	pg/sample	J	cl,lc
PDI-WS-T07-1901	WS	PCB-54	1.71	1.19	pg/sample	J	cl,lc
PDI-WS-T07-1901	WS	PCB-55		7.91	pg/sample	UJ	cl,lc
PDI-WS-T07-1901	WS	PCB-56	75.9	7.57	pg/sample	J	cl,lc
PDI-WS-T07-1901	WS	PCB-57		6.87	pg/sample	UJ	cl,lc
PDI-WS-T07-1901	WS	PCB-58		7.12	pg/sample	UJ	cl,lc
PDI-WS-T07-1901	WS	PCB-59/62/75	22.0	1.17	pg/sample	J	cl,lc
PDI-WS-T07-1901	WS	PCB-6	54.2	13.2	pg/sample	J	cl,lc
PDI-WS-T07-1901	WS	PCB-60	31.5	7.46	pg/sample	J	cl,lc
PDI-WS-T07-1901	WS	PCB-61/70/74/76	357	7.04	pg/sample	J	cl,lc
PDI-WS-T07-1901	WS	PCB-63	7.84	7.11	pg/sample	JN	cl,lc,k
PDI-WS-T07-1901	WS	PCB-64	123	1.15	pg/sample	J	cl,lc
PDI-WS-T07-1901	WS	PCB-66	166	7.30	pg/sample	J	cl,lc

Sample ID	Matrix	Compound	Result	EDL	Units	Validation Qualifiers	Validation Reason
PDI-WS-T07-1901	WS	PCB-67		5.91	pg/sample	UJ	cl,lc
PDI-WS-T07-1901	WS	PCB-68	1000	6.63	pg/sample	J	cl,lc
PDI-WS-T07-1901	WS	PCB-7	20.6	13.4	pg/sample	JN	cl,lc,k
PDI-WS-T07-1901	WS	PCB-72		6.62	pg/sample	UJ	cl,lc
PDI-WS-T07-1901	WS	PCB-73		1.16	pg/sample	UJ	cl,lc
PDI-WS-T07-1901	WS	PCB-77	10.7	7.94	pg/sample	J	cl,lc
PDI-WS-T07-1901	WS	PCB-78		7.47	pg/sample	UJ	cl,lc
PDI-WS-T07-1901	WS	PCB-79		6.05	pg/sample	UJ	cl,lc
PDI-WS-T07-1901	WS	PCB-8	199	12.2	pg/sample	J	cl,lc
PDI-WS-T07-1901	WS	PCB-80		6.64	pg/sample	UJ	cl,lc
PDI-WS-T07-1901	WS	PCB-81		7.43	pg/sample	UJ	cl,lc
PDI-WS-T07-1901	WS	PCB-82	20.7	1.02	pg/sample	JN	cl,lc,k
PDI-WS-T07-1901	WS	PCB-83/99	135	1.02	pg/sample	J	cl,lc
PDI-WS-T07-1901	WS	PCB-84	56.6	1.01	pg/sample	J	cl,lc
PDI-WS-T07-1901	WS	PCB-85/116/117	33.7	0.838	pg/sample	J	cl,lc
PDI-WS-T07-1901	WS	PCB-86/87/97/108/119/125	141	0.838	pg/sample	J	cl,lc
PDI-WS-T07-1901	WS	PCB-88/91	39.8	0.915	pg/sample	J	cl,lc
PDI-WS-T07-1901	WS	PCB-89		0.978	pg/sample	UJ	cl,lc
PDI-WS-T07-1901	WS	PCB-9	15.0	12.9	pg/sample	JN	cl,lc,k
PDI-WS-T07-1901	WS	PCB-90/101/113	236	0.838	pg/sample	J	cl,lc
PDI-WS-T07-1901	WS	PCB-92	46.0	0.936	pg/sample	J	cl,lc
PDI-WS-T07-1901	WS	PCB-93/95/98/100/102	231	0.885	pg/sample	J	cl,lc
PDI-WS-T07-1901	WS	PCB-94	1.96	0.982	pg/sample	JN	cl,lc,k
PDI-WS-T07-1901	WS	PCB-96	1.77	0.838	pg/sample	JN	cl,lc,k

## Attachment A

## Nonconformance Summary Tables

Table A-1 - Laboratory Blanks

Blank ID	Compound	Result	EDL	BAL	Units	Associated samples
WG67276-101	PCB-4	9.06	3.10	45.3	pg/sample	PDI-RB-XD-190127 PDI-WS-T01-1902 PDI-WS-T02-1902 PDI-WS-T03-1902 PDI-WS-T04-1902 PDI-WS-T05-1902 PDI-WS-T06-1901 PDI-WS-T07-1901
	PCB-31	14.7	0.841	73.5	pg/sample	
	PCB-11	39.3	1.82	196	pg/sample	
	PCB-15	11.0	2.03	55	pg/sample	
	PCB-209 (decachlorobiphenyl)	5.28	0.841	26.4	pg/sample	
	PCB-1	6.68	1.24	33.4	pg/sample	
	PCB-2	1.63	1.11	8.15	pg/sample	
	PCB-3	5.88	1.11	29.4	pg/sample	
	PCB-202	2.89	0.841	14.4	pg/sample	
	PCB-6	5.22	1.64	26.1	pg/sample	
	PCB-118	7.31	0.841	36.6	pg/sample	
	PCB-66	4.41	0.841	22.0	pg/sample	
	PCB-105	3.23	0.841	16.2	pg/sample	
	PCB-7	1.96	1.67	9.80	pg/sample	
	PCB-9	1.97	1.58	9.85	pg/sample	
	PCB-8	23.1	1.50	116	pg/sample	
	PCB-170	5.19	0.841	26.0	pg/sample	
	PCB-52	9.61	0.841	48.0	pg/sample	
	PCB-133	1.09	0.981	5.45	pg/sample	
	PCB-194	8.95	0.841	44.8	pg/sample	
	PCB-42	3.09	0.841	15.4	pg/sample	
	PCB-17	8.56	0.841	42.8	pg/sample	
	PCB-35	1.09	0.841	5.45	pg/sample	
	PCB-132	2.25	1.05	11.2	pg/sample	
	PCB-174	3.38	0.841	16.9	pg/sample	
	PCB-19	3.28	0.841	16.4	pg/sample	
	PCB-27	1.29	0.841	6.45	pg/sample	
	PCB-206	10.7	0.841	53.5	pg/sample	
	PCB-190	1.92	0.841	9.60	pg/sample	
	PCB-56	1.33	0.841	6.65	pg/sample	
PCB-46	0.954	0.841	4.77	pg/sample		
PCB-196	3.28	0.841	16.4	pg/sample		
PCB-146	2.50	0.864	12.5	pg/sample		
PCB-64	3.13	0.841	15.6	pg/sample		



Blank ID	Compound	Result	EDL	BAL	Units	Associated samples
	PCB-84	2.56	0.841	12.8	pg/sample	
	PCB-92	1.46	0.841	7.3	pg/sample	
	PCB-178	1.52	0.841	7.6	pg/sample	
	PCB-187	9.92	0.841	49.6	pg/sample	
	PCB-177	3.11	0.841	15.6	pg/sample	
	PCB-167	1.32	0.841	6.60	pg/sample	
	PCB-172	1.17	0.841	5.85	pg/sample	
	PCB-203	8.92	0.841	44.6	pg/sample	
	PCB-208	3.64	0.841	18.2	pg/sample	
	PCB-195	2.58	0.841	12.9	pg/sample	
	PCB-207	2.50	0.841	12.5	pg/sample	
	PCB-141	1.17	0.983	5.85	pg/sample	
	PCB-25	1.80	0.841	9.00	pg/sample	
	PCB-48	2.93	0.841	14.6	pg/sample	
	PCB-68	1.81	0.841	9.05	pg/sample	
	PCB-158	1.29	0.841	6.45	pg/sample	
	PCB-110/115	5.56	0.841	27.8	pg/sample	
	PCB-12/13	3.57	1.83	17.8	pg/sample	
	PCB-128/166	1.93	0.888	9.65	pg/sample	
	PCB-129/138/160/163	17.7	0.888	88.5	pg/sample	
	PCB-135/151/154	3.46	0.841	17.3	pg/sample	
	PCB-40/41/71	5.06	0.841	25.3	pg/sample	
	PCB-44/47/65	14.6	0.841	73.0	pg/sample	
	PCB-45/51	8.31	0.841	41.6	pg/sample	
	PCB-49/69	4.84	0.841	24.2	pg/sample	
	PCB-50/53	1.26	0.841	6.30	pg/sample	
	PCB-59/62/75	0.956	0.841	4.78	pg/sample	
	PCB-61/70/74/76	8.78	0.841	43.9	pg/sample	
	PCB-83/99	3.83	0.841	19.2	pg/sample	
	PCB-85/116/117	1.36	0.841	6.80	pg/sample	
	PCB-86/87/97/108/119/125	5.30	0.841	26.5	pg/sample	
	PCB-88/91	1.50	0.841	7.50	pg/sample	
	PCB-90/101/113	6.11	0.841	30.6	pg/sample	
	PCB-93/95/98/100/102	4.83	0.841	24.2	pg/sample	

Blank ID	Compound	Result	EDL	BAL	Units	Associated samples
	PCB-32	4.13	0.841	20.6	pg/sample	
	PCB-16	5.29	0.841	26.4	pg/sample	
	PCB-22	6.31	0.841	31.6	pg/sample	
	PCB-37	4.46	0.841	22.3	pg/sample	
	PCB-147/149	3.90	0.912	19.5	pg/sample	
	PCB-153/168	13.9	0.841	69.5	pg/sample	
	PCB-156/157	3.67	1.03	18.4	pg/sample	
	PCB-171/173	1.35	0.841	6.75	pg/sample	
	PCB-18/30	12.1	0.841	60.5	pg/sample	
	PCB-180/193	18.2	0.841	91.0	pg/sample	
	PCB-183/185	3.64	0.841	18.2	pg/sample	
	PCB-197/200	1.15	0.841	5.75	pg/sample	
	PCB-198/199	12.3	0.841	61.5	pg/sample	
	PCB-20/28	18.3	0.841	91.5	pg/sample	
	PCB-21/33	9.67	0.841	48.4	pg/sample	
	PCB-26/29	3.01	0.841	15.0	pg/sample	

Table A-2 - Field Blanks

Blank ID	Compound	Result	ML	Units	Associated Samples
PDI-RB-XD-190127	PCB-1	198	1.22	pg/sample	PDI-WS-T01-1902 PDI-WS-T02-1902 PDI-WS-T03-1902 PDI-WS-T04-1902 PDI-WS-T05-1902 PDI-WS-T06-1901 PDI-WS-T07-1901
	PCB-10	3.74	1.86	pg/sample	
	PCB-105	5.30	0.840	pg/sample	
	PCB-107/124	1.01	0.840	pg/sample	
	PCB-11	145	2.15	pg/sample	
	PCB-110/115	18.6	0.840	pg/sample	
	PCB-114	0.848	0.840	pg/sample	
	PCB-118	13.8	0.840	pg/sample	
	PCB-12/13	8.17	2.16	pg/sample	
	PCB-128/166	4.42	0.840	pg/sample	
	PCB-129/138/160/163	16.7	0.840	pg/sample	
	PCB-132	3.86	0.840	pg/sample	
	PCB-135/151/154	5.11	0.840	pg/sample	
	PCB-136	2.69	0.840	pg/sample	
	PCB-137	2.35	0.840	pg/sample	
	PCB-141	3.58	0.840	pg/sample	

Blank ID	Compound	Result	ML	Units	Associated Samples
	PCB-144	1.20	0.840	pg/sample	
	PCB-146	2.87	0.840	pg/sample	
	PCB-147/149	9.78	0.840	pg/sample	
	PCB-15	28.2	2.63	pg/sample	
	PCB-153/168	15.6	0.840	pg/sample	
	PCB-156/157	2.01	0.840	pg/sample	
	PCB-158	1.30	0.840	pg/sample	
	PCB-16	17.0	0.840	pg/sample	
	PCB-164	1.38	0.840	pg/sample	
	PCB-167	1.80	0.840	pg/sample	
	PCB-17	70.1	0.840	pg/sample	
	PCB-170	7.88	0.840	pg/sample	
	PCB-171/173	2.06	0.840	pg/sample	
	PCB-172	1.64	0.840	pg/sample	
	PCB-174	7.68	0.840	pg/sample	
	PCB-177	4.46	0.840	pg/sample	
	PCB-178	1.58	0.840	pg/sample	
	PCB-179	2.15	0.840	pg/sample	
	PCB-18/30	39.0	0.840	pg/sample	
	PCB-180/193	31.1	0.840	pg/sample	
	PCB-183/185	3.13	0.840	pg/sample	
	PCB-187	13.3	0.840	pg/sample	
	PCB-19	12.9	0.840	pg/sample	
	PCB-190	1.77	0.840	pg/sample	
	PCB-194	37.9	0.840	pg/sample	
	PCB-195	11.8	0.840	pg/sample	
	PCB-196	34.9	0.840	pg/sample	
	PCB-197/200	5.92	0.840	pg/sample	
	PCB-198/199	88.1	0.840	pg/sample	
	PCB-2	34.5	1.18	pg/sample	
	PCB-20/28	56.7	0.840	pg/sample	
	PCB-201	3.13	0.840	pg/sample	
	PCB-202	7.24	0.840	pg/sample	
	PCB-203	61.8	0.840	pg/sample	
	PCB-205	2.52	0.840	pg/sample	
	PCB-206	77.7	0.840	pg/sample	
	PCB-207	17.5	0.840	pg/sample	
	PCB-208	29.9	0.840	pg/sample	
	PCB-209 (decachlorobiphenyl)	17.1	0.840	pg/sample	
	PCB-21/33	245	0.840	pg/sample	

Blank ID	Compound	Result	ML	Units	Associated Samples
	PCB-22	17.3	0.840	pg/sample	
	PCB-24	0.883	0.840	pg/sample	
	PCB-25	219	0.840	pg/sample	
	PCB-26/29	8.58	0.840	pg/sample	
	PCB-27	5.73	0.840	pg/sample	
	PCB-3	146	1.26	pg/sample	
	PCB-31	36.9	0.840	pg/sample	
	PCB-32	13.2	0.840	pg/sample	
	PCB-35	3.80	0.840	pg/sample	
	PCB-36	4.96	0.840	pg/sample	
	PCB-37	10.4	0.853	pg/sample	
	PCB-39	4.73	0.840	pg/sample	
	PCB-4	107	3.00	pg/sample	
	PCB-40/41/71	16.2	0.840	pg/sample	
	PCB-42	6.91	0.840	pg/sample	
	PCB-44/47/65	923	0.840	pg/sample	
	PCB-45/51	5830	0.840	pg/sample	
	PCB-46	6.84	0.840	pg/sample	
	PCB-48	5.49	0.840	pg/sample	
	PCB-49/69	29.2	0.840	pg/sample	
	PCB-50/53	8.27	0.840	pg/sample	
	PCB-52	28.1	0.840	pg/sample	
	PCB-56	5.05	2.64	pg/sample	
	PCB-59/62/75	4.52	0.840	pg/sample	
	PCB-6	20.5	1.94	pg/sample	
	PCB-60	3.12	2.62	pg/sample	
	PCB-61/70/74/76	24.4	2.36	pg/sample	
	PCB-64	8.98	0.840	pg/sample	
	PCB-66	13.6	2.41	pg/sample	
	PCB-68	1640	2.31	pg/sample	
	PCB-7	12.7	1.98	pg/sample	
	PCB-8	85.9	1.77	pg/sample	
	PCB-83/99	13.3	0.840	pg/sample	
	PCB-84	4.92	0.840	pg/sample	
	PCB-85/116/117	4.28	0.840	pg/sample	
	PCB-86/87/97/108/119/125	12.5	0.840	pg/sample	
	PCB-88/91	8.08	0.840	pg/sample	
	PCB-9	8.29	1.87	pg/sample	
	PCB-90/101/113	17.5	0.840	pg/sample	
	PCB-92	3.85	0.840	pg/sample	

Blank ID	Compound	Result	ML	Units	Associated Samples
	PCB-93/95/98/100/102	14.4	0.840	pg/sample	

**Table A-3 - Labeled Compound and Labeled Clean-Up Standard Recoveries**

Sample ID	Labeled Toxics/LOC/window-defining and labeled clean-up recoveries	% Recovery	Lower Limit	Upper Limit
PDI-RB-XD-190127	PCB-104L	22.8	25	150
	PCB-15L	21.3	25	150
	PCB-169L	17.7	25	150
	PCB-19L	18.5	25	150
	PCB-202L	23.0	25	150
	PCB-4L	19.9	25	150
	PCB-54L	21.1	25	150
PDI-WS-T01-1902	PCB-19L	21.9	25	150
	PCB-1L	12.7	15	150
	PCB-3L	14.5	15	150
	PCB-4L	18.4	25	150
	PCB-54L	23.9	25	150
PDI-WS-T02-1902	PCB-19L	22.0	25	150
	PCB-1L	13.5	15	150
	PCB-4L	19.1	25	150
	PCB-54L	22.4	25	150
PDI-WS-T03-1902	PCB-104L	19.3	25	150
	PCB-111L	27.4	30	135
	PCB-15L	21.3	25	150
	PCB-169L	20.8	25	150
	PCB-19L	15.8	25	150
	PCB-1L	9.05	15	150
	PCB-202L	23.2	25	150
	PCB-28L	27.2	30	135
	PCB-37L	24.3	25	150
	PCB-3L	11.2	15	150
	PCB-4L	14.4	25	150
PCB-54L	16.2	25	150	
PDI-WS-T04-1902	PCB-4L	22.9	25	150
PDI-WS-T05-1902	PCB-15L	22.7	25	150
	PCB-19L	22.3	25	150
	PCB-1L	12.8	15	150

Sample ID	Labeled Toxics/LOC/window-defining and labeled clean-up recoveries	% Recovery	Lower Limit	Upper Limit
	PCB-4L	20.4	25	150
	PCB-54L	23.0	25	150
PDI-WS-T06-1901	PCB-104L	19.3	25	150
	PCB-105L	23.7	25	150
	PCB-111L	23.9	30	135
	PCB-114L	23.9	25	150
	PCB-126L	19.3	25	150
	PCB-156/157L	23.0	25	150
	PCB-15L	17.4	25	150
	PCB-169L	15.3	25	150
	PCB-19L	13.4	25	150
	PCB-1L	7.66	15	150
	PCB-202L	23.8	25	150
	PCB-28L	23.3	30	135
	PCB-37L	19.6	25	150
	PCB-3L	9.17	15	150
	PCB-4L	11.3	25	150
	PCB-54L	14.8	25	150
	PCB-77L	21.1	25	150
	PCB-81L	22.1	25	150
PDI-WS-T07-1901	PCB-104L	14.1	25	150
	PCB-105L	18.3	25	150
	PCB-111L	17.3	30	135
	PCB-114L	17.3	25	150
	PCB-118L	19.2	25	150
	PCB-123L	19.7	25	150
	PCB-126L	14.9	25	150
	PCB-155L	20.1	25	150
	PCB-156/157L	16.3	25	150
	PCB-15L	11.1	25	150
	PCB-167L	17.7	25	150
	PCB-169L	11.7	25	150
	PCB-170L	20.7	25	150
	PCB-178L	22.2	30	135
	PCB-180L	22.1	25	150
	PCB-188L	23.1	25	150
	PCB-189L	24.7	25	150
	PCB-19L	11.3	25	150
PCB-1L	6.15	15	150	

<b>Sample ID</b>	<b>Labeled Toxics/LOC/window-defining and labeled clean-up recoveries</b>	<b>% Recovery</b>	<b>Lower Limit</b>	<b>Upper Limit</b>
	PCB-202L	18.2	25	150
	PCB-205L	21.7	25	150
	PCB-206L	20.5	25	150
	PCB-208L	22.4	25	150
	PCB-209L	18.9	25	150
	PCB-28L	17.4	30	135
	PCB-37L	12.9	25	150
	PCB-3L	6.13	15	150
	PCB-4L	9.33	25	150
	PCB-54L	12.2	25	150
	PCB-77L	15.3	25	150
	PCB-81L	16.1	25	150

**Attachment B****Qualifier Codes and Explanations**

<b>Qualifier</b>	<b>Explanation</b>
J	The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
J-	The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample with a potential low bias.
J+	The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample with a potential high bias.
JN	The analyte was tentatively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
UJ	The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
U	The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
R	The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.



## Attachment C

### Reason Codes and Explanations

Reason Code	Explanation
be	Equipment blank contamination
bf	Field blank contamination
bl	Laboratory blank contamination
c	Calibration issue
cl	Clean-up standard recovery
d	Reporting limit raised due to chromatographic interference
fd	Field duplicate RPDs
h	Holding times
i	Internal standard areas
k	Estimated Maximum Possible Concentration (EMPC)
l	LCS or OPR recoveries
lc	Labeled compound recovery
ld	Laboratory duplicate RPDs
lp	Laboratory control sample/laboratory control sample duplicate RPDs
m	Matrix spike recovery
md	Matrix spike/matrix spike duplicate RPDs
nb	Negative laboratory blank contamination
p	Chemical preservation issue
r	Dual column RPD
q	Quantitation issue
s	Surrogate recovery
su	Ion suppression
t	Temperature preservation issue
x	Percent solids
y	Serial dilution results
z	ICS results