



**ECOChem**  
Data Quality

## DATA VALIDATION REPORT

### SEATTLE IRON AND METAL – PHASE 1 DUST MONITORING

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**Approved for Release:**

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## PROJECT NARRATIVE

### *Basis for the Data Validation*

This report summarizes the results of data validation performed on groundwater and quality control (QC) sample data for the Seattle Iron and Metal – Phase 1 Dust Monitoring project. The data received full validation (EPA Stage 4). A complete list of samples is provided in the Sample Index.

ALS Life Sciences, Burlington, Ontario, Canada performed the analyses. The analytical methods and EcoChem project chemists are listed in the table below.

ANALYSIS	METHOD	PRIMARY REVIEW	SECONDARY REVIEW
Dioxin/Furans	EPA TO9A/M23/8290	C. Ransom	C. Frans
PCB Congeners	EPA TO10A/1668C		

The data were reviewed using guidance and quality control criteria documented in the analytical methods; *Seattle Iron & Metals Dust Monitoring Plan: Phase I* (In consultation with Sahu, R., July, 2019); and *National Functional Guidelines for High Resolution Superfund Methods Data Review* (USEPA 2016).

EcoChem’s goal in assigning data assessment qualifiers is to assist in proper data interpretation. If values are estimated (J or UJ), data may be used for site evaluation and risk assessment purposes but reasons for data qualification should be taken into consideration when interpreting sample concentrations. If values are assigned an R or DNR, the data should not be used for any site evaluation purposes. If values have no data qualifier assigned, then the data meet the data quality objectives as stated in the documents and methods referenced above.

Data qualifier definitions, reason codes, and validation criteria are included as Appendix A. A Qualified Data Summary Table is included in Appendix B. Data Validation Worksheets will be kept on file at EcoChem, Inc. A qualified laboratory electronic data deliverable (EDD) is also submitted with this report.

**Sample Index**  
**Seattle Iron and Metals - Phase I Dust Monitoring**

Batch	SDG	SAMPLE ID	LAB ID	Dioxin/Furans	PCB Congeners
WG3081836	L2294320	RES-061419	L2294320-1	✓	✓
	L2294320	HEI-061419	L2294320-2	✓	✓
	L2294320	CIT-061419	L2294320-3	✓	✓
	L2301798	HEISER-06282019	L2301798-1	✓	✓
	L2301798	CITY-06282019	L2301798-2	✓	✓
	L2301798	RESIDENTIAL-6282019	L2301798-3	✓	✓
	L2308151	HEISER-25745103	L2308151-1	✓	✓
	L2308151	RES-25745100	L2308151-2	✓	✓
	L2308151	CITY-25745101	L2308151-3	✓	✓
WG3116369	L2310263	HEISER-25764410	L2310263-1	✓	✓
	L2310263	CITY-45764407	L2310263-2	✓	✓
	L2310263	RES-25764409	L2310263-3	✓	✓
	L2316030	HEISER-20190711-0719	L2316030-1	✓	✓
	L2316030	CITY-20190711-0719	L2316030-2	✓	✓
	L2316030	RESIDENTIAL-20190713-0719	L2316030-3	✓	✓
	L2320141	HEISER-20190719-0725	L2320141-1	✓	✓
	L2320141	CITY-20190719-0725	L2320141-2	✓	✓
	L2320141	RESIDENTIAL-20190719-0725	L2320141-3	✓	✓
	L2322808	HEISER-20190725-0801	L2322808-1	✓	✓
L2322808	RESIDENTIAL-20190725-0801	L2322808-3	✓	✓	
WG3136778	L2327284	HEISER-20190801-0808	L2327284-1	✓	✓
	L2327284	CITY-20190801-0808	L2327284-2	✓	✓
	L2327284	RESIDENTIAL-20190801-0808	L2327284-3	✓	✓
	L2327284	CITY-20190725-0801	L2327284-4	✓	✓
	L2336381	HEISER-20190808-0815	L2336381-1	✓	✓
	L2336381	CITY-20190808-0815	L2336381-2	✓	✓
	L2336381	RESIDENTIAL-20190808-0815	L2336381-3	✓	✓
	L2336381	HEISER-20190815-0823	L2336381-4	✓	✓
	L2336381	CITY-20190815-0823	L2336381-5	✓	✓
L2336381	RESIDENTIAL-20190815-0823	L2336381-6	✓	✓	

# DATA VALIDATION REPORT

## Seattle Iron and Metal – Air Monitoring Dioxins by EPA Methods TO9A/M23/8290

This report documents the review of analytical data from the analysis of air monitoring PUF filter samples and the associated laboratory quality control (QC) samples. ALS Life Sciences, Burlington, Ontario, Canada analyzed the samples. Refer to the **Sample Index** for a complete list of samples.

SDG	BATCH	NUMBER OF SAMPLES	VALIDATION LEVEL
L2294320 L2301798 L2308151	WG3081836	3 PUF 3 PUF 3 PUF	EPA Stage 4
L2310263 L2316030 L2320141 L2332808	WG3116369	3 PUF 3 PUF 3 PUF 2 PUF	EPA Stage 4
L2327284 L2336381	WG3136778	4 PUF 6 PUF	EPA Stage 4

### DATA PACKAGE COMPLETENESS

The laboratory submitted all required deliverables. The laboratory followed adequate corrective action processes and all anomalies were discussed in the case narrative.

### EDD TO HARDCOPY VERIFICATION

A verification of the electronic data deliverable (EDD) results was performed by comparison of a percentage of the results to the hardcopy laboratory data package. The following changes were made:

The QC table contained records for the target analytes for all field samples. These records were deleted. Only the labeled compounds were retained for field samples in the QC table.

Records for field standards were removed for method blanks and laboratory control samples. These spikes do not apply to these laboratory QC samples.

Records for homolog groups and TEQ ranges were deleted for laboratory control samples in the QC table.

**Batch WG3136778:** The result field in the QC table was not populated for the field standards, cleanup standards, or surrogates. The values were added to the EDD using the results in the raw data.

The matrix, extraction method, and analysis method were changed in the Result Table and the QC Table to match the other two batches.

FIELD	ORIGINAL	REVISED
Matrix	Air	PUF
Extraction Method	EPA M23	EPA TO9A
Analysis Method	EPA M23	EPA TO9A

## TECHNICAL DATA VALIDATION

The QC requirements that were reviewed are listed below:

2	Sample Receipt, Preservation and Holding Times	1	Laboratory Control Samples
✓	Instrument Performance Check	1	Matrix Spikes/Matrix Spike Duplicates (MS/MSD)
✓	Initial Calibration (ICAL)	1	Field Duplicates
✓	Continuing Calibration Verification (CCV)	✓	Reporting Limits and Sample Quantitation
2	Laboratory Blanks	✓	Target Analyte List
2	Field Standards	2	Compound Identification
1	Extraction Standards	✓	Calculation Verification
1	Cleanup Standards		

✓ Stated method quality objectives (MQO) and QC criteria have been met. No outliers are noted or discussed.

1 Quality control results are discussed below, but no data were qualified.

2 Quality control outliers that impact the reported data were noted. Data qualifiers were issued as discussed below.

### Sample Receipt, Preservation, and Holding Times

Some sample coolers arrived at temperatures greater than the advisory temperature of 6°C, with temperatures ranging from 6.8 °C to 24.2 °C. Data were not affected by the temperature outliers; no action was taken.

**L2310263:** All samples were extracted after the EPA Method 23 and EPA 8290 holding time of 30 days. All results were estimated (J/UJ-1).

**L2322808:** Sample CITY-20190725-0801 was listed on the COC but was not received. The sample was received at a later date and reported in **SDG L2327824**.

**L2327824:** Sample CITY-20190725-0801 was extracted after the EPA Method 23 and EPA 8290 holding time of 30 days. All results for this sample were estimated (J/UJ-1).

### Laboratory Blanks

To assess the impact of any blank contaminant on the reported sample results, an action level was established at five times (5x) the concentration reported in the blank. If a contaminant was reported in an associated field sample and the concentration was less than the action level, the result was qualified as not detected (U-7). The laboratory assigned R-flags to values when a peak was detected but did not meet identification criteria. These values cannot be considered as positive identifications but are "estimated maximum possible concentrations" (EMPCs). When these occurred in the method blank the results were considered as false positives. No action levels were established for these analytes.

Method blanks were analyzed at the appropriate frequency. Two types of blanks were analyzed: media blanks and reagent blanks. Several target analytes were detected in the method blanks; however, only the following analytes required qualification in one or more of the associated samples:

BATCH	METHOD BLANK	BLANK TYPE	ANALYTE	CONCENTRATION (PG)
WG3081836	WG3081836-1	Media Blank	OCDD	5.48
			2,3,4,6,7,8-HxCDF	0.5
WG3116369	WG3116639-1	Media Blank	1,2,3,7,8,9-HxCDF	1.11
			OCDF	3.42
	WG3116369-4	Reagent Blank	OCDD	8.95
			OCDF	2.42
WG3136778	WG3136778-1	Media Blank	1,2,3,4,6,7,8-HpCDD	6.58
	WG3136778-4	Reagent Blank	OCDD	21.7

### Field Standards

Five labeled compounds were added to the sample cartridges prior to sampling. The percent recovery (%R) values method specified control limits are 70-130%. These surrogates are used to evaluate the sampling system. No action was taken unless three or more of the compounds were outside of the control limits. If the recoveries indicated a potential problem with the sampling set-up, all results for the sample were estimated (J/UJ-13). The following samples were qualified based on surrogate recovery outliers.

*SDG L2294320:* The PUF cartridges were not spiked with the field standards. All results were estimated (J/UJ-13) due to the lack of information regarding the functioning of the sampling system.

*SDG L2327824:* For Sample HEISER-20190801-0808, 3 of the 5 surrogate recoveries were <70%. All results, including total homologs, were estimated (J/UJ-13L) to indicate a potential low bias.

### Extraction Standards

Nine labeled compounds were added as internal standards to each sample prior to extraction. Recoveries were within the method criteria of 40-130% (25-130% for hepta and octa-chlorinated compounds).

### Cleanup Standards

*Batch WG3081836:* The cleanup standard 13C12-1,2,3,7,8,9-HxCDF was not added. This does not impact sample quantitation. The recoveries for all extraction standards were acceptable; no action was taken on this basis.

### Laboratory Control Samples

Laboratory control samples (LCS) were analyzed with each batch. All recoveries were within the control limits of 70%-130%.

### **Matrix Spikes/Matrix Spike Duplicates**

Matrix spike/matrix spike duplicates (MS/MSD) were not analyzed. These are not required by the method. Accuracy was assessed using labeled compound and LCS recoveries. Precision within an analytical batch could not be evaluated.

### **Field Duplicates**

No field duplicates were submitted.

### **Compound Identification**

The laboratory reported EMPC or "estimated maximum possible concentrations" values for one or more of the target analytes in all samples. An EMPC value was reported when a peak was detected but did not meet identification criteria as required by the method; therefore, the result cannot be considered as positive identification for the analyte. The lab flagged these results "R". All EMPC results were qualified as not-detected (U-25) at the reported concentrations.

The laboratory uses DB5 MS column, which provides adequate resolution of the TCDF isomers as indicated by the acceptable peak to valley ratios. There were no positive results for 2,3,7,8-TCDF in the field samples. No second column confirmation was necessary.

### **Calculation Verification**

Several results were verified by recalculation from the raw data. No calculation or transcription errors were noted.

### **OVERALL ASSESSMENT**

As was determined by this evaluation, the laboratory followed the specified analytical methods. With the exceptions noted above, accuracy was acceptable as demonstrated by the labeled compound and LCS recoveries. Precision within an analytical batch could not be evaluated.

Detection limits were elevated due to method blank contamination and ion ratio outliers. Results were estimated based on exceeded holding times and field standard recovery outliers.

All data, as qualified, are acceptable for use.

# DATA VALIDATION REPORT

## Seattle Iron and Metal – Air Monitoring PCB Congeners by EPA Method 1668C

This report documents the review of analytical data from the analysis of air monitoring PUF filter samples and the associated laboratory and field quality control (QC) samples. ALS Life Sciences, Burlington, Ontario, Canada analyzed the samples. Refer to the **Sample Index** for a complete list of samples.

SDG	BATCH	NUMBER OF SAMPLES	VALIDATION LEVEL
L2294320 L23011798 L2308151	WG3081836	3 PUF 3 PUF 3 PUF	EPA Stage 4
L2310263 L2316030 L2320141 L2332808	WG3116369	3 PUF 3 PUF 3 PUF 2 PUF	EPA Stage 4
L2327284 L2336381	WG3136778	4 PUF 6 PUF	EPA Stage 4

### DATA PACKAGE COMPLETENESS

The laboratory submitted all required deliverables. The laboratory followed adequate corrective action processes and all anomalies were discussed in the case narrative.

**Batch WG311639:** The raw data for the reagent blank, WG311639-4, was missing from the data packages. The lab was contacted and supplied the missing documentation.

**Batch WG3136778:** The raw data for the wrong LCS (Batch WG3150231) was included in the data package. The lab was contacted and provided the missing raw data for LCS WG3136778-2.

### EDD TO HARDCOPY VERIFICATION

A verification of the electronic data deliverable (EDD) results was performed by comparison of a percentage of the results to the hardcopy laboratory data package. No transcription errors were noted. The following changes were made:

- The results table contained records for the labeled compounds (surrogate, field standard, and cleanup standards). These should only be in the QC table; the records were deleted from the results table.
- The records for field standards for the method blanks and laboratory control samples were removed from the QC table. These standards do not apply for laboratory QC.



**Batch WG3116369:** The records for Total MonoCB, Total DiCB, Lower Bound PCB TEQ and Mid Point PCB TEQ were missing from QC samples WG3116369-1 and WG3116369-4. The missing data was added to the table using the information on the data package summary forms.

The QC table was missing records for cleanup standards 13C12 PCB-028 and 13C12 PCB-111. These missing results were copied from the results table and added to the QC table.

**Batch WG3136778:** The matrix was changed to PUF in the Result and QC tables to match the other batches.

The true values and the percent recovery values for the field standards in the QC table were incorrect. The true value was corrected from 4000 to 6000 and the percent recoveries were changed to match the hardcopy.

## TECHNICAL DATA VALIDATION

The QC requirements that were reviewed are listed below:

1	Sample Receipt, Preservation and Holding Times	1	Laboratory Control Samples
✓	Instrument Performance Check	1	Matrix Spikes/Matrix Spike Duplicates (MS/MSD)
✓	Initial Calibration (ICAL)	1	Field Duplicates
✓	Continuing Calibration Verification (CCV)	✓	Reporting Limits and Sample Quantitation
2	Laboratory Blanks	✓	Target Analyte List
2	Field Standards	2	Compound Identification
1	Extraction Standards	1	Calculation Verification
1	Cleanup Standards		

✓ Stated method quality objectives (MQO) and QC criteria have been met. No outliers are noted or discussed.

1 Quality control results are discussed below, but no data were qualified.

2 Quality control outliers that impact the reported data were noted. Data qualifiers were issued as discussed below.

### Sample Receipt, Preservation, and Holding Times

Some sample coolers arrived at temperatures greater than the advisory temperature of 6°C, with temperatures ranging from 6.8 °C to 24.2 °C. Data were not affected by the temperature outliers; no action was taken.

**L2322808:** Sample CITY-20190725-0801 was listed on the COC but was not received. The sample was received at a later date and reported in **SDG L2327824**.

### Laboratory Blanks

To assess the impact of any blank contaminant on the reported sample results, an action level is established at five times (5x) the concentration reported in the blank. If a contaminant is reported in an associated field sample and the concentration is less than the action level, the result is qualified as not detected (U-7). No action is taken if the sample result is greater than the action level, or for non-detected results. The laboratory assigned EMPC-flags to values when a peak was detected but did not meet identification criteria. These values cannot be considered as positive identifications but

are "estimated maximum possible concentrations". When these occurred in the method blank the results were considered as false positives. No action levels were established for these analytes.

Method blanks were analyzed at the appropriate frequency. Several target analytes were detected in the method blanks; however, only the following analytes required qualification in one or more of the associated samples:

BATCH	METHOD BLANK	BLANK TYPE	ANALYTE	CONCENTRATION (PG)
WG3081836	WG3081836-1	Media Blank	PCB-018/030	9.54
			PCB-022	7.55
			PCB-090/101/113	5.52
			PCB-118	3.52
			PCB-147/149	3.04
			PCB-194	1.96
WG3116369	WG3116369-1	Media Blank	PCB-011	60.6
			PCB-020/028	18.4
			PCB-052	15.2
			PCB-064	4.04
			PCB-207	22.7
			PCB-209	30.4
	WG3116369-4	Reagent Blank	PCB-044/047/065	15.5
			PCB-147/149	6.09
WG3136778	WG3136778-1	Media Blank	PCB-007	20.1
			PCB-011	117
			PCB-020/028	14.1
			PCB-044/047/065	15.7
			PCB-061/070/074/076	11.8
			PCB-066	7.21
			PCB-056	4.74

### Field Standards

Labeled compounds were added to the sample cartridges prior to sampling. The percent recovery (%R) control limits are 70-130%. These surrogates are used to evaluate the sampling system. No action was taken if only one of the recoveries was outside of the control limits. If the recoveries indicated a potential problem with the sampling set-up, all results for the sample were estimated (J/UJ-13). The following samples were qualified based on field standard results:

*SDG L2294320:* The PUF cartridges were not spiked with the field standards. All results were estimated (J/UJ-13) due to the lack of information regarding the functioning of the sampling system.

### Extraction Standards

Labeled compounds were added as internal standards to each sample prior to extraction. Recoveries were within the method criteria.

## **Cleanup Standards**

*Batch WG3081836:* The cleanup standards were not added. This does not impact sample quantitation. The recoveries for all extraction standards were acceptable; no action was taken on this basis.

## **Laboratory Control Samples**

Laboratory control samples (LCS) were analyzed with each batch. All recoveries were within the control limits of 70%-130%.

## **Matrix Spikes/Matrix Spike Duplicates**

Matrix spike/matrix spike duplicates (MS/MSD) were not analyzed. These are not required by the method. Accuracy was assessed using labeled compound and laboratory control sample recoveries. Precision could not be assessed.

## **Field Duplicates**

No field duplicates were submitted.

## **Compound Identification**

The laboratory reported EMPC or "estimated maximum possible concentrations" values for one or more of the target analytes in all samples. An EMPC value was reported when a peak was detected but did not meet identification criteria as required by the method; therefore, the result cannot be considered as positive identification for the analyte. The lab flagged these results "R". All EMPC results were qualified as not-detected (U-25) at the reported concentrations.

## **Calculation Verification**

Several results were verified by recalculation from the raw data. No calculation or transcription errors were noted.

## **OVERALL ASSESSMENT**

As was determined by this evaluation, the laboratory followed the specified analytical methods. With the exceptions noted above, accuracy was acceptable as demonstrated by the labeled compound and LCS recoveries. Precision within the batches could not be assessed.

Detection limits were elevated due to blank contamination and ion ratio outliers. Results were estimated based on field standard results.

All data, as qualified, are acceptable for use.



**APPENDIX A**

**DATA QUALIFIER DEFINITIONS  
REASON CODES  
AND CRITERIA TABLES**

## **DATA VALIDATION QUALIFIER CODES** **Based on National Functional Guidelines**

The following definitions provide brief explanations of the qualifiers assigned to results in the data review process.

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U	The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
J	The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
NJ	The analysis indicates the presence of an analyte that has been “tentatively identified” and the associated numerical value represents the approximate concentration.
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.
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.

The following is an EcoChem qualifier that may also be assigned during the data review process:

DNR	Do not report; a more appropriate result is reported from another analysis or dilution.
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## DATA QUALIFIER REASON CODES

Group	Code	Reason for Qualification
Sample Handling	1	Improper Sample Handling or Sample Preservation (i.e., headspace, cooler temperature, pH, summa canister pressure); Exceeded Holding Times
Instrument Performance	24	Instrument Performance (i.e., tune, resolution, retention time window, endrin breakdown, lock-mass)
	5A	Initial Calibration (RF, %RSD, $r^2$ )
	5B	Calibration Verification (CCV, CCAL; RF, %D, %R) Use bias flags (H,L) <sup>1</sup> where appropriate
	5C	Initial Calibration Verification (ICV %D, %R) Use bias flags (H,L) <sup>1</sup> where appropriate
Blank Contamination	6	Field Blank Contamination (Equipment Rinsate, Trip Blank, etc.)
	7	Lab Blank Contamination (i.e., method blank, instrument blank, etc.) Use low bias flag (L) <sup>1</sup> for negative instrument blanks
Precision and Accuracy	8	Matrix Spike (MS and/or MSD) Recoveries Use bias flags (H,L) <sup>1</sup> where appropriate
	9	Precision (all replicates: LCS/LCSD, MS/MSD, Lab Replicate, Field Replicate)
	10	Laboratory Control Sample Recoveries (a.k.a. Blank Spikes) Use bias flags (H,L) <sup>1</sup> where appropriate
	12	Reference Material Use bias flags (H,L) <sup>1</sup> where appropriate
	13	Surrogate Spike Recoveries (a.k.a. labeled compounds, recovery standards) Use bias flags (H,L) <sup>1</sup> where appropriate
Interferences	16	ICP/ICP-MS Serial Dilution Percent Difference
	17	ICP/ICP-MS Interference Check Standard Recovery Use bias flags (H,L) <sup>1</sup> where appropriate
	19	Internal Standard Performance (i.e., area, retention time, recovery)
	22	Elevated Detection Limit due to Interference (i.e., chemical and/or matrix)
	23	Bias from Matrix Interference (i.e. diphenyl ether, PCB/pesticides)
Identification and Quantitation	2	Chromatographic pattern in sample does not match pattern of calibration standard
	3	2 <sup>nd</sup> column confirmation (RPD or %D)
	4	Tentatively Identified Compound (TIC) (associated with NJ only)
	20	Calibration Range or Linear Range Exceeded
	25	Compound Identification (i.e., ion ratio, retention time, relative abundance, etc.)
Miscellaneous	11	A more appropriate result is reported (multiple reported analyses i.e., dilutions, re-extractions, etc. Associated with "R" and "DNR" only)
	14	Other (See DV report for details)
	26	Method QC information not provided

<sup>1</sup>H = high bias indicated

L = low bias indicated

## DATA QUALIFIER REASON CODES

Group	Code	Reason for Qualification
Sample Handling	1	Improper Sample Handling or Sample Preservation (i.e., headspace, cooler temperature, pH, summa canister pressure); Exceeded Holding Times
Instrument Performance	24	Instrument Performance (i.e., tune, resolution, retention time window, endrin breakdown, lock-mass)
	5A	Initial Calibration (RF, %RSD, $r^2$ )
	5B	Calibration Verification (CCV, CCAL; RF, %D, %R) Use bias flags (H,L) <sup>1</sup> where appropriate
	5C	Initial Calibration Verification (ICV %D, %R) Use bias flags (H,L) <sup>1</sup> where appropriate
Blank Contamination	6	Field Blank Contamination (Equipment Rinsate, Trip Blank, etc.)
	7	Lab Blank Contamination (i.e., method blank, instrument blank, etc.) Use low bias flag (L) <sup>1</sup> for negative instrument blanks
Precision and Accuracy	8	Matrix Spike (MS and/or MSD) Recoveries Use bias flags (H,L) <sup>1</sup> where appropriate
	9	Precision (all replicates: LCS/LCSD, MS/MSD, Lab Replicate, Field Replicate)
	10	Laboratory Control Sample Recoveries (a.k.a. Blank Spikes) Use bias flags (H,L) <sup>1</sup> where appropriate
	12	Reference Material Use bias flags (H,L) <sup>1</sup> where appropriate
	13	Surrogate Spike Recoveries (a.k.a. labeled compounds, recovery standards) Use bias flags (H,L) <sup>1</sup> where appropriate
Interferences	16	ICP/ICP-MS Serial Dilution Percent Difference
	17	ICP/ICP-MS Interference Check Standard Recovery Use bias flags (H,L) <sup>1</sup> where appropriate
	19	Internal Standard Performance (i.e., area, retention time, recovery)
	22	Elevated Detection Limit due to Interference (i.e., chemical and/or matrix)
	23	Bias from Matrix Interference (i.e. diphenyl ether, PCB/pesticides)
Identification and Quantitation	2	Chromatographic pattern in sample does not match pattern of calibration standard
	3	2 <sup>nd</sup> column confirmation (RPD or %D)
	4	Tentatively Identified Compound (TIC) (associated with NJ only)
	20	Calibration Range or Linear Range Exceeded
	25	Compound Identification (i.e., ion ratio, retention time, relative abundance, etc.)
Miscellaneous	11	A more appropriate result is reported (multiple reported analyses i.e., dilutions, re-extractions, etc. Associated with "R" and "DNR" only)
	14	Other (See DV report for details)
	26	Method QC information not provided

<sup>1</sup>H = high bias indicated

L = low bias indicated

**Dioxin/Furan Analysis by HRMS**  
(Based on Dioxin NFG 2011 and Methods EPA 1613B and SW-846 8290)

QC Element	Acceptance Criteria	Source of Criteria	Action for Non-Conformance	Reason Code	Discussion and Comments
<b>Sample Handling</b>					
Cooler/Storage Temperature Preservation	Waters/Solids ≤ 6°C & in the dark Tissues < -10°C & in the dark <b>Preservation Aqueous:</b> If Cl <sub>2</sub> is present Thiosulfate must be added and if pH > 9 it must be adjusted to 7 - 9	NFG <sup>(1)</sup> Method <sup>(2)</sup>	J(pos)/R(ND) if thiosulfate not added if Cl <sub>2</sub> present; J(pos)/UJ(ND) if pH not adjusted J(pos)/UJ(ND) if temp > 20°C	1	<b>EcoChem PJ, see TM-05</b>
Holding Time	<b>If properly stored, 1 year or:</b> <b>Extraction (all matrices):</b> 30 days from collection <b>Analysis (all matrices):</b> 45 days from extraction	NFG <sup>(1)</sup> Method <sup>(2)</sup>	If not properly stored or HT exceedance: J(pos)/UJ(ND)	1	<b>EcoChem PJ, see TM-05</b> Gross exceedance = > 1 year 2011 NFG <b>Note:</b> Under CWA, SDWA, and RCRA the HT for H <sub>2</sub> O is 7 days.
<b>Instrument Performance</b>					
Mass Resolution (Tuning)	PFK (Perfluorokerosene) ≥10,000 resolving power at m/z 304.9824. Exact mass of m/z 380.9760 w/in 5 ppm of theoretical value (380.97410 to 380.97790) . Analyzed prior to ICAL and at the start and end of each 12 hr. shift.	NFG <sup>(1)</sup> Method <sup>(2)</sup>	R(pos/ND) all analytes in all samples associated with the tune	24	Notify PM
Windows Defining Mix	Peaks for first and last eluters must be within established retention time windows for each selector group (chlorination level)	NFG <sup>(1)</sup> Method <sup>(2)</sup>	If peaks are not completely within windows (clipped): If natives are ok, J(pos)/UJ(ND) homologs (Totals) If natives are affected, R all results for that selector group	24	Notify PM
Column Performance Mix	Both mixes must be analyzed before ICAL and CCAL Valley < 25% (valley = (x/y)*100%) where x = ht. of TCDD (or TCDF) & y = baseline to bottom of valley For all isomers eluting near the 2378-TCDD (TCDF) peak (TCDD only for 8290)	NFG <sup>(1)</sup> Method <sup>(2)</sup>	J(pos) if valley > 25%	24	<b>EcoChem PJ, see TM-05, Rev. 2;</b> Note: TCDF is evaluated only if second column confirmation is performed
Initial Calibration Sensitivity	S/N ratio > 10 for all native and labeled compounds in CS1 std.	NFG <sup>(1)</sup> Method <sup>(2)</sup>	If <10, elevate Det. Limit or R(ND)	5A	
Initial Calibration Selectivity	Ion Abundance ratios within QC limits (Table 8 of method 8290) (Table 9 of method 1613B)	NFG <sup>(1)</sup> Method <sup>(2)</sup>	If 2 or more ion ratios are out for one compound in ICAL, J(pos)	5A	<b>EcoChem PJ, see TM-05, Rev. 2</b>



**Dioxin/Furan Analysis by HRMS  
(Based on Dioxin NFG 2011 and Methods EPA 1613B and SW-846 8290)**

QC Element	Acceptance Criteria	Source of Criteria	Action for Non-Conformance	Reason Code	Discussion and Comments
<b>Instrument Performance (continued)</b>					
Initial Calibration (Minimum 5 stds.) <b>Stability</b>	%RSD < 20% for native compounds %RSD < 30% for labeled compounds (%RSD < 35% for labeled compounds under 1613b)	NFG <sup>(1)</sup> Method <sup>(2)</sup>	J(pos) natives if %RSD > 20%	5A	<b>EcoChem PJ, see TM-05, Rev. 2</b>
	Absolute RT of <sup>13</sup> C <sub>12</sub> -1234-TCDD >25 min on DB5 & >15 min on DB-225	NFG <sup>(1)</sup> Method <sup>(2)</sup>	Narrate, no action		
Continuing Calibration (Prior to each 12 hr. shift) <b>Sensitivity</b>	S/N ratio for CS3 standard > 10	NFG <sup>(1)</sup> Method <sup>(2)</sup>	If <10, elevate Det. Limit or R(ND)	5B	
Continuing Calibration (Prior to each 12 hr. shift) <b>Selectivity</b>	Ion Abundance ratios within QC limits (Table 8 of method 8290) (Table 9 of method 1613B)	NFG <sup>(1)</sup> Method <sup>(2)</sup>	For congener with ion ratio outlier, J(pos) natives in all samples associated with CCAL. No action for labeled congener ion ratio outliers.	25	<b>EcoChem PJ, see TM-05</b>
Continuing Calibration (Prior to each 12 hr. shift) <b>Stability</b>	%D +/-20% for native compounds %D +/-30% for labeled compounds <b>(Must meet limits in Table 6, Method 1613B)</b>  If %D in the closing CCAL are within 25%/35%, the mean RF from the two CCAL may be used to calculate samples <b>(Section 8.3.2.4 of 8290).</b>	NFG <sup>(1)</sup> Method <sup>(2)</sup>	<b>Labeled compounds:</b> Narrate, no action. <b>Native compounds:</b> 1613: J(pos)/UJ(ND) if %D is outside Table 6 limits J(pos)/R(ND) if %D is +/-75% of Table 6 limits  8290: J(pos)/UJ(ND) if %D = 20% - 75% J(pos)/R(ND) if %D > 75%	5B (H,L) <sup>3</sup>	
	Absolute RT of <sup>13</sup> C <sub>12</sub> -1234-TCDD and <sup>13</sup> C <sub>12</sub> -123789-HxCDD should be ± 15 seconds of ICAL RRT for all other compounds must meet criteria listed in Table 2 Method 1316.	NFG <sup>(1)</sup> Method <sup>(2)</sup>	Narrate, no action	5B	<b>EcoChem PJ, see TM-05</b>
<b>Blank Contamination</b>					
Method Blank (MB)	MB: One per matrix per batch of (of ≤ 20 samples) No detected compounds > RL	NFG <sup>(1)</sup> Method <sup>(2)</sup>	U(pos) if result is < 5X action level.	7	<b>Hierarchy of blank review: #1 - Review MB, qualify as needed #2 - Review FB, qualify as needed</b>
Field Blank (FB)	FB: frequency as per QAPP No detected compounds > RL		U(pos) if result is < 5X action level.	6	

**Dioxin/Furan Analysis by HRMS  
(Based on Dioxin NFG 2011 and Methods EPA 1613B and SW-846 8290)**

QC Element	Acceptance Criteria	Source of Criteria	Action for Non-Conformance	Reason Code	Discussion and Comments
<b>Precision and Accuracy</b>					
MS/MSD (recovery)	<b>MS/MSD not typically required for HRMS analyses.</b> If lab analyzes MS/MSD then one set per matrix per batch (of ≤ 20 samples) Use most current laboratory control limits	EcoChem standard policy	J(pos) if both %R > UCL - high bias J(pos)/UJ(ND) if both %R < LCL - low bias J(pos)/R(ND) if both %R < 10% - very low bias J(pos)/UJ(ND) if one > UCL & one < LCL, with no bias <b>PJ if only one %R outlier</b>	8 (H,L) <sup>3</sup>	No action if only one spike %R is outside criteria. No action if parent concentration is > 4x the amount spiked.  Qualify parent sample only unless other QC indicates systematic problems.
MS/MSD (RPD)	<b>MS/MSD not typically required for HRMS analyses.</b> If lab analyzes MS/MSD then one set per matrix per batch (of ≤ 20 samples) Use most current laboratory control limits	EcoChem standard policy	J(pos) in parent sample if RPD > CL	9	Qualify parent sample only.
LCS (or OPR)	One per lab batch (of ≤ 20 samples) Use most current laboratory control limits <b>or</b> Limits from Table 6 of 1613B	NFG <sup>(1)</sup> Method <sup>(2)</sup>	J(pos) if %R > UCL - high bias J(pos)/UJ(ND) if %R < LCL - low bias J(pos)/R(ND) if %R < 10% - very low bias	10 (H,L) <sup>3</sup>	No action if only one spike %R is outside criteria, when LCSD is analyzed.  Qualify all associated samples.
LCS/LCSD (RPD)	<b>LCSD not typically required for HRMS analyses.</b> One set per matrix and batch of 20 samples RPD < 35%	Method <sup>(2)</sup> EcoChem standard policy	J(pos) assoc. compound in all samples if RPD > CL	9	Qualify all associated samples.
Lab Duplicate (RPD)	<b>Lab Dup not typically required for HRMS analyses.</b> One per lab batch (of ≤ 20 samples) Use most current laboratory control limits	EcoChem standard policy	J(pos)/UJ(ND) if RPD > CL	9	
Labeled Compounds (Internal Standards)	Added to all samples %R = 40% - 135% in all samples 8290 %R must meet limits in Table 7 Method 1613B	NFG <sup>(1)</sup> Method <sup>(2)</sup>	J(pos) if %R > UCL - high bias J(pos)/UJ(ND) if %R < LCL - low bias J(pos)/R(ND) if %R < 10% - very low bias	13 (H,L) <sup>3</sup>	
Field Duplicates	Solids: RPD < 50% OR difference < 2X RL (for results < 5X RL)  Aqueous: RPD < 35% OR difference < 1X RL (for results < 5X RL)	EcoChem standard policy	Narrate and qualify if required by project	9	<b>Use professional judgment</b>

**Dioxin/Furan Analysis by HRMS  
(Based on Dioxin NFG 2011 and Methods EPA 1613B and SW-846 8290)**

QC Element	Acceptance Criteria	Source of Criteria	Action for Non-Conformance	Reason Code	Discussion and Comments
<b>Compound ID and Calculation</b>					
Quantitation/ Identification	All ions for each isomer must maximize within $\pm 2$ seconds. S/N ratio >2.5 Ion ratios must meet criteria listed in Table 8 Method 8290, or Table 9 of 1613B; RRTs w/in limits in Table 2 of 1613B	NFG <sup>(1)</sup> Method <sup>(2)</sup>	Narrate in report; qualify if necessary NJ(pos) for retention time outliers. U(pos) for ion ratio outliers.	25	<b>EcoChem PJ, see TM-05</b>
EMPC (estimated maximum possible concentration)	If quantitation identification criteria are not met, laboratory should report an EMPC value.	NFG <sup>(1)</sup> Method <sup>(2)</sup>	If laboratory correctly reported an EMPC value, qualify the native compound U(pos) to indicate that the value is a detection limit and qualify total homolog groups J (pos)	25	<b>Use professional judgment See TM-18</b>
Interferences	Interferences from chlorodiphenyl ether compounds	NFG <sup>(1)</sup> Method <sup>(2)</sup>	J(pos)/UJ(ND) if present	23	<b>See TM-16</b>
	Lock masses must not deviate $\pm 20\%$ from values in Table 8 of 1613B	Method <sup>(2)</sup>	J(pos)/UJ(ND) if present	24	<b>See TM-17</b>
Second Column Confirmation	All 2,3,7,8-TCDF hits must be confirmed on a DB-225 (or equiv) column. All QC criteria must also be met for the confirmation analysis.	NFG <sup>(1)</sup> Method <sup>(2)</sup>	Report the DB-225 value. If not performed use PJ.	3	DNR-11 DB5 result if both results from both columns are reported. <b>EcoChem PJ, see TM-05</b>
Calculation Check	Check 10% of field & QC sample results	EcoChem standard policy	Contact laboratory for resolution and/or corrective action	na	Full data validation only.
<b>Electronic Data Deliverable (EDD)</b>					
Verification of EDD to hardcopy data	EcoChem verify @ 10% unless problems noted; then increase level up to 100% for next several packages.		Depending on scope of problem, correct at EcoChem (minor issues) to resubmittal by laboratory (major issues).	na	EcoChem Project Manager and/or Database Administrator will work with lab to provide long-term corrective action.
Dilutions, Re-extractions and/or Reanalyses	Report only one result per analyte	Standard reporting policy	Use "DNR" to flag results that will not be reported.	11	

(pos) - positive (detected) results; (ND) - not detected results

<sup>1</sup> National Functional Guidelines for Chlorinated Dibenzo-p-Dioxins (CDDs) & Chlorinated Dibenzofurans (CDFs) Data Review, September 2011

<sup>2</sup> Polychlorinated Dibenzodioxins (PCDDs) and Polychlorinated Dibenzofurans (PCDFs) by High-Resolution Gas Chromatography/High-Resolution Mass Spectrometry (HRGC/HRMS), USEPA SW-846, Method 8290

<sup>2</sup> EPA Method 1613, Rev.B, Tetra-through Octa-Chlorinated Dioxins and Furans by Isotope Dilution HRGS/HRMS, October 1994

<sup>3</sup> NFG 2013 suggests using "+" / "-" to indicate bias; EcoChem has chosen "H" = high bias indicated; "L" = low bias indicated.

**PCB Congener Analysis by HRMS**  
(Based on EPA DV Guidance<sup>1</sup> and Method EPA 1668C)

QC Element	Acceptance Criteria	Source of Criteria	Action for Non-Conformance	Reason Code	Discussion and Comments
<b>Sample Handling</b>					
Cooler/Storage Temperature Preservation	Waters/Solids ≤ 6°C & in the dark Tissues < -10°C & in the dark <b>Preservation Aqueous:</b> If Cl <sub>2</sub> is present Thiosulfate must be added and if needed adjust pH to 2 - 3 (drinking water requirement)	EPA <sup>(1)</sup> Method <sup>(2)</sup>	J(pos)/R(ND) if thiosulfate not added if Cl <sub>2</sub> present and J(pos)/UJ(ND) if pH not adjusted; J(pos)/UJ(ND) if temp > 20°C	1	Note: EPA DV guidance documents use < 4°C, method uses ≤ 6°C. Info in EcoChem TM-05 also generally applies.
Holding Time	If properly stored, 1 year prior to extraction. If extracts properly stored (< -10°C & in dark), 1 year from extraction to analysis.	EPA <sup>(1)</sup> Method <sup>(2)</sup>	If not properly stored or HT exceeded: J(pos)/UJ(ND)	1	<b>May be dictated by QAPP</b> Info in EcoChem TM-05 also generally applies
<b>Instrument Performance</b>					
Mass Resolution (Tuning)	≥10,000 resolving power at m/z 330.9792 <5 ppm deviation from each m/z listed in <b>Table 7</b> of method. Analyzed prior to ICAL and at the beginning and end of each 12 hr. shift	EPA <sup>(1)</sup> Method <sup>(2)</sup>	R all analytes in all samples associated with a failed tune	24	PFK (Perfluorokerosene) tuning compound
Column Resolution	Mix of all 209 PCBs run prior to each ICAL/12 hours RT of PCB209 must be > 55 min PCB156 & 157 must coelute w/in 2 sec PCB34 & 23 and PCB187 & 182 must be resolved where (x/y)*100% < 40% x = ht of valley and y = ht of shortest peak RRT of all congeners must fall within the range in <b>Table 2</b> of the method	EPA <sup>(1)</sup> Method <sup>(2)</sup>	If criteria are not met, review sample chromatograms to determine if sample results are negatively impacted. If so, discuss with client for possible reanalyses, or J(pos) all data.	24	Criteria are for SPB-octyl column. If different column used, see Section 6.9.1.2 of method. Appendix A provides info for DB-1 column
Initial Calibration <b>Sensitivity</b>	S/N ratio > 10 for all native and labeled congeners in CS1 std.	EPA <sup>(1)</sup> Method <sup>(2)</sup>	If <10, elevate Det. Limit or R(ND)	5A	
Initial Calibration <b>Selectivity</b>	Ion Abundance ratios within QC limits ( <b>Table 8</b> of Method 1668C)	EPA <sup>(1)</sup> Method <sup>(2)</sup>	If ion ratios are out for a given congener in 2 or more standards in ICAL, J(pos) results for that congener in all samples	5A	Professional judgement. The info in EcoChem TM-05 also generally applies
Initial Calibration (Minimum 5 stds.) <b>Stability</b>	%RSD < 20% for congeners listed in <b>Table 3</b> of method RRT of all congeners must meet <b>Table 2</b> of method	EPA <sup>(1)</sup> Method <sup>(2)</sup>	J(pos) natives if %RSD > 20% RRT outliers: narrate, no action	5A	RRT outliers: professional judgement. The info in EcoChem TM-05 also generally applies
Continuing Calibration (Prior to each 12 hr. shift) <b>Sensitivity</b>	S/N ratio for CS3 standard > 10	EPA <sup>(1)</sup> Method <sup>(2)</sup>	If <10, elevate Det. Limit to lowest calibration or R(ND)	5B	
Continuing Calibration (Prior to each 12 hr. shift) <b>Selectivity</b>	Ion Abundance ratios within QC limits ( <b>Table 8</b> of Method 1668C)	EPA <sup>(1)</sup> Method <sup>(2)</sup>	No action if %D acceptable, review sample ion ratios, U(pos) if ion ratio outside limits	5B	Professional judgement. The info in EcoChem TM-05 also generally applies.

**PCB Congener Analysis by HRMS**  
(Based on EPA DV Guidance<sup>1</sup> and Method EPA 1668C)

QC Element	Acceptance Criteria	Source of Criteria	Action for Non-Conformance	Reason Code	Discussion and Comments
Continuing Calibration (Prior to each 12 hr. shift) <b>Stability</b>	Recoveries must meet VER% limits in <b>Table 6</b> , Method 1668C	EPA <sup>(1)</sup> Method <sup>(2)</sup>	<b>Labeled congeners:</b> Narrate, no action. <b>Native congeners:</b> J(pos)/UJ(ND) for low bias J(pos) for high bias	5B (H,L) <sup>3</sup>	
	Absolute RT of all Labeled congeners and Window Defining Congeners must be +/- 15 sec of RT in ICAL RRT of all congeners must be within range in <b>Table 2</b> of method	EPA <sup>(1)</sup> Method <sup>(2)</sup>	Narrate, no action	5B	Professional judgement. The info in EcoChem TM-05 also generally applies
<b>Blank Contamination</b>					
Method Blank (MB)	MB: One per matrix per batch of (of ≤ 20 samples) No detected congeners	EPA <sup>(1)</sup> Method <sup>(2)</sup>	U(pos) if sample result is < 5X blank concentration	7	<b>Heirarchy of blank review:</b> <b>#1 - Review MB, qualify as needed</b> <b>#2 - Review FB , qualify as needed</b> EMPC values in blanks as considered to be non-detects
Field Blank (FB)	FB: frequency as per QAPP No detected congeners		U(pos) if sample result is < 5X blank concentration	6	
<b>Precision and Accuracy</b>					
MS/MSD (recovery)	<b>MS/MSD not typically required for HRMS analyses.</b> If lab analyzes MS/MSD then one set per matrix per batch (of ≤ 20 samples) Use most current laboratory control limits	EcoChem standard policy	J(pos) if both %R > UCL - high bias J(pos)/UJ(ND) if both %R < LCL - low bias J(pos)/R(ND) if both %R < 10% - very low bias J(pos)/UJ(ND) if one > UCL & one < LCL, with no bias <b>PJ if only one %R outlier</b>	8 (H,L) <sup>3</sup>	No action if only one spike %R is outside criteria. No action if parent concentration is >4x the amount spiked. Qualify parent sample only unless other QC indicates systematic problems.
MS/MSD (RPD)	<b>MS/MSD not typically required for HRMS analyses.</b> If lab analyzes MS/MSD then one set per matrix per batch (of ≤ 20 samples) Use most current laboratory control limits	EcoChem standard policy	J(pos) in parent sample if RPD > CL	9	Qualify parent sample only.
LCS (or OPR)	One per lab batch (of ≤ 20 samples) %R must meet limits in <b>Table 6</b> Method 1668C	EPA <sup>(1)</sup> Method <sup>(2)</sup>	J(pos) if %R > UCL - high bias J(pos)/UJ(ND) if %R < LCL - low bias J(pos)/R(ND) if %R < 10% - very low bias	10 (H,L) <sup>3</sup>	No action if only one spike %R is outside criteria, when LCSD is analyzed. Qualify all associated samples.
LCS/LCSD (RPD)	<b>LCS/LCSD not typically required for HRMS analyses.</b> If lab analyzes LCS/LCSD then one set per matrix and batch of 20 samples RPD < 35%	EcoChem standard policy	J(pos) assoc. congener in all samples if RPD > CL	9	Qualify all associated samples.
Lab Duplicate (RPD) (if required)	<b>Lab Dup not typically required for HRMS analyses.</b> One per lab batch (of ≤ 20 samples) Use most current laboratory control limits	EcoChem standard policy	J(pos)/UJ(ND) if RPD > CL	9	Optional element. Qualify parent sample only.

PCB Congener Analysis by HRMS  
 (Based on EPA DV Guidance<sup>1</sup> and Method EPA 1668C)

QC Element	Acceptance Criteria	Source of Criteria	Action for Non-Conformance	Reason Code	Discussion and Comments
Labeled congeners (Internal Standards)	Added to all samples %R must meet limits in <b>Table 6</b> Method 1668C	EPA <sup>(1)</sup> Method <sup>(2)</sup>	J(pos) if %R > UCL - high bias J(pos)/UJ(ND) if %R < LCL - low bias J(pos)/R(ND) if %R < 5% - very low bias J(pos)/UJ(ND) if %R between 5-10% for two or more labeled compounds in a substitution group (ie, mono-, di-, trichlorinated) - very low bias	13 (H,L) <sup>3</sup>	See next tab for labeled congener associations as per <b>Table 2</b> Method 1668
Field Duplicates	Solids: RPD < 50% OR difference < 2X RL (for results < 5X RL)  Aqueous: RPD < 35% OR difference < 1X RL (for results < 5X RL)	EcoChem standard policy	Narrate and qualify if required by project <b>(EcoChem PJ)</b>	9	<b>RPD values may be dictated by QAPP</b> 35% and 50% are EcoChem defaults
<b>Compound ID and Calculation</b>					
Quantitation/ Identification	All ions for each isomer must maximize within +/- 2 seconds. S/N ratio > 2.5 Ion ratios must meet criteria listed in <b>Table 8</b> of 1668C; RRTs w/in limits in <b>Table 2</b> of 1668C	EPA <sup>(1)</sup> Method <sup>(2)</sup>	Narrate in report; qualify if necessary NJ(pos) for retention time outliers. U(pos) for ion ratio outliers.	25	The info in EcoChem TM-05 also generally applies
EMPC (estimated maximum possible concentration)	If quantitation identification criteria are not met, laboratory should report an EMPC value.	EPA <sup>(1)</sup> Method <sup>(2)</sup>	If laboratory correctly reported an EMPC value, qualify the native congener U to indicate that the value is an elevated detection limit and qualify total homolog groups J(+)	25	<b>Use professional judgment. See TM-18</b>
Interferences	Lock masses must not deviate +/- 20% from values in <b>Table 7</b> of 1668C	Method <sup>(2)</sup>	J(pos)/UJ(ND) if present	24	<b>Use professional judgment. See TM-17</b>
Calibration Range	Results greater than highest calibration standard	EcoChem standard policy	Qualify J (pos)	20	If result from dilution analysis is not reported.
Calculation Check	Check 10% of field & QC sample results	EcoChem standard policy	Contact laboratory for resolution and/or corrective action	na	Full data validation only.
<b>Electronic Data Deliverable (EDD)</b>					
Verification of EDD to hardcopy data	EcoChem verify @ 10% unless problems noted; then increase level up to 100% for next several packages.		Depending on scope of problem, correct at EcoChem (minor issues) to resubmittal by laboratory (major issues).	na	EcoChem Project Manager and/or Database Administrator will work with lab to provide long-term corrective action.
Dilutions, Re-extractions and/or Reanalyses	Report only one result per analyte	Standard reporting policy	Use "DNR" to flag results that will not be reported.	11	

<sup>1</sup> USEPA Region 2 Data Validation, Standard Operating Procedure for EPA Method 1668A, Revision 1, September 2008  
 USEPA Region 3 Interim Guidelines for the Validation of Data Generated Using Method 1668 PCB Congener Data, Revision 0, April 2004  
 USEPA Region 10 SOP For the Validation of Method 1668 Toxic, Dioxin-like, PCB Data, Revision 1, December 1995  
<sup>2</sup> EPA Method 1668, Rev.C, Chlorinated Biphenyl Congeners in Water, Soil, Sediment, Biosolids, and Tissue by HRGC/HRMS, April 2010  
<sup>3</sup> "H" = high bias indicated; "L" = low bias indicated

(pos): Positive Result(s)  
 (ND): Non-detects





**ECO-CHEM**  
Data Quality

## **APPENDIX B**

# **QUALIFIED DATA SUMMARY TABLE**



**Qualified Data Summary Table**  
**Seattle Iron and Metals - Phase I Dust Monitoring**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB QUAL	DV QUAL	DV CODE
RES-061419	L2294320-1	EPA TO9A	2,3,7,8-TCDD	0.64	pg	U	UJ	13
RES-061419	L2294320-1	EPA TO9A	1,2,3,7,8-PeCDD	0.29	pg	U	UJ	13
RES-061419	L2294320-1	EPA TO9A	1,2,3,4,7,8-HxCDD	0.48	pg	M,J,R	UJ	13,25
RES-061419	L2294320-1	EPA TO9A	1,2,3,6,7,8-HxCDD	0.29	pg	U	UJ	13
RES-061419	L2294320-1	EPA TO9A	1,2,3,7,8,9-HxCDD	0.3	pg	U	UJ	13
RES-061419	L2294320-1	EPA TO9A	1,2,3,4,6,7,8-HpCDD	1	pg	M,J,R	UJ	13,25
RES-061419	L2294320-1	EPA TO9A	OCDD	1.6	pg	J,R	UJ	13,25
RES-061419	L2294320-1	EPA TO9A	2,3,7,8-TCDF	0.38	pg	U	UJ	13
RES-061419	L2294320-1	EPA TO9A	1,2,3,7,8-PeCDF	0.35	pg	U	UJ	13
RES-061419	L2294320-1	EPA TO9A	2,3,4,7,8-PeCDF	0.32	pg	U	UJ	13
RES-061419	L2294320-1	EPA TO9A	1,2,3,4,7,8-HxCDF	0.2	pg	U	UJ	13
RES-061419	L2294320-1	EPA TO9A	1,2,3,6,7,8-HxCDF	0.19	pg	U	UJ	13
RES-061419	L2294320-1	EPA TO9A	2,3,4,6,7,8-HxCDF	0.2	pg	U	UJ	13
RES-061419	L2294320-1	EPA TO9A	1,2,3,7,8,9-HxCDF	0.23	pg	U	UJ	13
RES-061419	L2294320-1	EPA TO9A	1,2,3,4,6,7,8-HpCDF	0.45	pg	M,J,R	UJ	13,25
RES-061419	L2294320-1	EPA TO9A	1,2,3,4,7,8,9-HpCDF	0.2	pg	U	UJ	13
RES-061419	L2294320-1	EPA TO9A	OCDF	0.74	pg	M,J	J	13
RES-061419	L2294320-1	EPA TO9A	Total-TCDD	0.64	pg	U	UJ	13
RES-061419	L2294320-1	EPA TO9A	Total-PeCDD	0.29	pg	U	UJ	13
RES-061419	L2294320-1	EPA TO9A	Total-HxCDD	0.32	pg	U	UJ	13
RES-061419	L2294320-1	EPA TO9A	Total-HpCDD	0.47	pg		J	13
RES-061419	L2294320-1	EPA TO9A	Total-TCDF	0.38	pg	U	UJ	13
RES-061419	L2294320-1	EPA TO9A	Total-PeCDF	0.35	pg	U	UJ	13
RES-061419	L2294320-1	EPA TO9A	Total-HxCDF	0.23	pg	U	UJ	13
RES-061419	L2294320-1	EPA TO9A	Total-HpCDF	0.2	pg	U	UJ	13
HEI-061419	L2294320-2	EPA TO9A	2,3,7,8-TCDD	0.59	pg	U	UJ	13
HEI-061419	L2294320-2	EPA TO9A	1,2,3,7,8-PeCDD	0.35	pg	U	UJ	13
HEI-061419	L2294320-2	EPA TO9A	1,2,3,4,7,8-HxCDD	0.48	pg	U	UJ	13
HEI-061419	L2294320-2	EPA TO9A	1,2,3,6,7,8-HxCDD	0.44	pg	U	UJ	13
HEI-061419	L2294320-2	EPA TO9A	1,2,3,7,8,9-HxCDD	0.46	pg	U	UJ	13
HEI-061419	L2294320-2	EPA TO9A	1,2,3,4,6,7,8-HpCDD	2.41	pg	M,J	J	13

**Qualified Data Summary Table**  
**Seattle Iron and Metals - Phase I Dust Monitoring**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB QUAL	DV QUAL	DV CODE
HEI-061419	L2294320-2	EPA TO9A	OCDD	7.95	pg	J,B	UJ	7,13
HEI-061419	L2294320-2	EPA TO9A	2,3,7,8-TCDF	0.48	pg	U	UJ	13
HEI-061419	L2294320-2	EPA TO9A	1,2,3,7,8-PeCDF	0.36	pg	U	UJ	13
HEI-061419	L2294320-2	EPA TO9A	2,3,4,7,8-PeCDF	0.33	pg	U	UJ	13
HEI-061419	L2294320-2	EPA TO9A	1,2,3,4,7,8-HxCDF	0.28	pg	U	UJ	13
HEI-061419	L2294320-2	EPA TO9A	1,2,3,6,7,8-HxCDF	0.28	pg	M,J,R	UJ	13,25
HEI-061419	L2294320-2	EPA TO9A	2,3,4,6,7,8-HxCDF	0.28	pg	U	UJ	13
HEI-061419	L2294320-2	EPA TO9A	1,2,3,7,8,9-HxCDF	0.32	pg	U	UJ	13
HEI-061419	L2294320-2	EPA TO9A	1,2,3,4,6,7,8-HpCDF	0.29	pg	M,J,R	UJ	13,25
HEI-061419	L2294320-2	EPA TO9A	1,2,3,4,7,8,9-HpCDF	0.27	pg	U	UJ	13
HEI-061419	L2294320-2	EPA TO9A	OCDF	1.01	pg	M,J	J	13
HEI-061419	L2294320-2	EPA TO9A	Total-TCDD	0.59	pg	U	UJ	13
HEI-061419	L2294320-2	EPA TO9A	Total-PeCDD	0.35	pg	U	UJ	13
HEI-061419	L2294320-2	EPA TO9A	Total-HxCDD	0.48	pg	U	UJ	13
HEI-061419	L2294320-2	EPA TO9A	Total-HpCDD	2.41	pg		J	13
HEI-061419	L2294320-2	EPA TO9A	Total-TCDF	0.48	pg	U	UJ	13
HEI-061419	L2294320-2	EPA TO9A	Total-PeCDF	0.36	pg	U	UJ	13
HEI-061419	L2294320-2	EPA TO9A	Total-HxCDF	0.32	pg	U	UJ	13
HEI-061419	L2294320-2	EPA TO9A	Total-HpCDF	0.27	pg	U	UJ	13
CIT-061419	L2294320-3	EPA TO9A	2,3,7,8-TCDD	0.72	pg	U	UJ	13
CIT-061419	L2294320-3	EPA TO9A	1,2,3,7,8-PeCDD	0.48	pg	U	UJ	13
CIT-061419	L2294320-3	EPA TO9A	1,2,3,4,7,8-HxCDD	0.58	pg	M,U	UJ	13
CIT-061419	L2294320-3	EPA TO9A	1,2,3,6,7,8-HxCDD	0.53	pg	U	UJ	13
CIT-061419	L2294320-3	EPA TO9A	1,2,3,7,8,9-HxCDD	0.55	pg	U	UJ	13
CIT-061419	L2294320-3	EPA TO9A	1,2,3,4,6,7,8-HpCDD	1.5	pg	M,J,R	UJ	13,25
CIT-061419	L2294320-3	EPA TO9A	OCDD	3.6	pg	J,R	UJ	13,25
CIT-061419	L2294320-3	EPA TO9A	2,3,7,8-TCDF	0.45	pg	U	UJ	13
CIT-061419	L2294320-3	EPA TO9A	1,2,3,7,8-PeCDF	0.41	pg	U	UJ	13
CIT-061419	L2294320-3	EPA TO9A	2,3,4,7,8-PeCDF	0.37	pg	U	UJ	13
CIT-061419	L2294320-3	EPA TO9A	1,2,3,4,7,8-HxCDF	0.25	pg	U	UJ	13
CIT-061419	L2294320-3	EPA TO9A	1,2,3,6,7,8-HxCDF	0.23	pg	U	UJ	13

**Qualified Data Summary Table**  
**Seattle Iron and Metals - Phase I Dust Monitoring**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB QUAL	DV QUAL	DV CODE
CIT-061419	L2294320-3	EPA TO9A	2,3,4,6,7,8-HxCDF	0.25	pg	U	UJ	13
CIT-061419	L2294320-3	EPA TO9A	1,2,3,7,8,9-HxCDF	0.28	pg	U	UJ	13
CIT-061419	L2294320-3	EPA TO9A	1,2,3,4,6,7,8-HpCDF	0.51	pg	M,J,R	UJ	13,25
CIT-061419	L2294320-3	EPA TO9A	1,2,3,4,7,8,9-HpCDF	0.37	pg	U	UJ	13
CIT-061419	L2294320-3	EPA TO9A	OCDF	1.35	pg	M,J	J	13
CIT-061419	L2294320-3	EPA TO9A	Total-TCDD	0.72	pg	U	UJ	13
CIT-061419	L2294320-3	EPA TO9A	Total-PeCDD	0.48	pg	U	UJ	13
CIT-061419	L2294320-3	EPA TO9A	Total-HxCDD	0.58	pg	U	UJ	13
CIT-061419	L2294320-3	EPA TO9A	Total-HpCDD	1.04	pg		J	13
CIT-061419	L2294320-3	EPA TO9A	Total-TCDF	0.45	pg	U	UJ	13
CIT-061419	L2294320-3	EPA TO9A	Total-PeCDF	0.41	pg	U	UJ	13
CIT-061419	L2294320-3	EPA TO9A	Total-HxCDF	0.28	pg	U	UJ	13
CIT-061419	L2294320-3	EPA TO9A	Total-HpCDF	0.37	pg	U	UJ	13
RES-25764409	L2310263-3	EPA TO9A	1,2,3,7,8,9-HxCDD	1.1	pg	U	UJ	1
RES-25764409	L2310263-3	EPA TO9A	1,2,3,4,6,7,8-HpCDD	2.4	pg	U	UJ	1
RES-25764409	L2310263-3	EPA TO9A	OCDD	5.9	pg	M,J,R	UJ	1,25
RES-25764409	L2310263-3	EPA TO9A	2,3,7,8-TCDF	1.2	pg	U	UJ	1
RES-25764409	L2310263-3	EPA TO9A	1,2,3,7,8-PeCDF	0.93	pg	U	UJ	1
RES-25764409	L2310263-3	EPA TO9A	2,3,4,7,8-PeCDF	0.84	pg	U	UJ	1
RES-25764409	L2310263-3	EPA TO9A	1,2,3,4,7,8-HxCDF	0.7	pg	U	UJ	1
RES-25764409	L2310263-3	EPA TO9A	1,2,3,6,7,8-HxCDF	0.65	pg	U	UJ	1
RES-25764409	L2310263-3	EPA TO9A	2,3,4,6,7,8-HxCDF	0.69	pg	U	UJ	1
RES-25764409	L2310263-3	EPA TO9A	1,2,3,7,8,9-HxCDF	1.3	pg	M,J,R	UJ	1,25
RES-25764409	L2310263-3	EPA TO9A	1,2,3,4,6,7,8-HpCDF	0.89	pg	U	UJ	1
RES-25764409	L2310263-3	EPA TO9A	1,2,3,4,7,8,9-HpCDF	1.1	pg	U	UJ	1
RES-25764409	L2310263-3	EPA TO9A	OCDF	1.7	pg	U	UJ	1
RES-25764409	L2310263-3	EPA TO9A	Total-TCDD	2	pg	U	UJ	1
RES-25764409	L2310263-3	EPA TO9A	Total-PeCDD	0.89	pg	U	UJ	1
RES-25764409	L2310263-3	EPA TO9A	Total-HxCDD	1.1	pg	U	UJ	1
RES-25764409	L2310263-3	EPA TO9A	Total-HpCDD	2.4	pg	U	UJ	1
RES-25764409	L2310263-3	EPA TO9A	Total-TCDF	1.2	pg	U	UJ	1

**Qualified Data Summary Table**  
**Seattle Iron and Metals - Phase I Dust Monitoring**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB QUAL	DV QUAL	DV CODE
RES-25764409	L2310263-3	EPA TO9A	Total-PeCDF	0.93	pg	U	UJ	1
RES-25764409	L2310263-3	EPA TO9A	Total-HxCDF	0.79	pg	U	UJ	1
RES-25764409	L2310263-3	EPA TO9A	Total-HpCDF	1.1	pg	U	UJ	1
HEISER-06282019	L2301798-1	EPA TO9A	OCDD	2.56	pg	M,J,B	U	7
CITY-06282019	L2301798-2	EPA TO9A	1,2,3,7,8,9-HxCDD	0.71	pg	M,J,R	U	25
CITY-06282019	L2301798-2	EPA TO9A	OCDD	5.53	pg	M,J,B	U	7
CITY-06282019	L2301798-2	EPA TO9A	1,2,3,7,8-PeCDF	0.54	pg	M,J,R	U	25
CITY-06282019	L2301798-2	EPA TO9A	2,3,4,6,7,8-HxCDF	0.35	pg	M,J,B	U	7
CITY-06282019	L2301798-2	EPA TO9A	1,2,3,4,6,7,8-HpCDF	0.52	pg	M,J,R	U	25
RESIDENTIAL-06282019	L2301798-3	EPA TO9A	1,2,3,4,6,7,8-HpCDD	1.5	pg	M,J,R	U	25
RESIDENTIAL-06282019	L2301798-3	EPA TO9A	OCDD	7.04	pg	J,B	U	7
RESIDENTIAL-06282019	L2301798-3	EPA TO9A	1,2,3,7,8-PeCDF	0.66	pg	M,J,R	U	25
HEISER-20190711-0719	L2316030-1	EPA TO9A	OCDD	7.01	pg	J	U	7
HEISER-20190711-0719	L2316030-1	EPA TO9A	1,2,3,7,8-PeCDF	1	pg	M,J,R	U	25
HEISER-20190711-0719	L2316030-1	EPA TO9A	OCDF	1.2	pg	M,J,R	U	25
CITY-20190719-0725	L2320141-2	EPA TO9A	OCDD	23	pg	M,J,R	U	25
CITY-20190719-0725	L2320141-2	EPA TO9A	1,2,3,4,6,7,8-HpCDF	0.86	pg	M,J,R	U	25
CITY-20190719-0725	L2320141-2	EPA TO9A	OCDF	2.56	pg	M,J,B	U	7
CITY-20190711-0719	L2316030-2	EPA TO9A	OCDD	3.4	pg	J,R	U	25
CITY-20190711-0719	L2316030-2	EPA TO9A	1,2,3,7,8,9-HxCDF	1.81	pg	M,J,B	U	7
CITY-20190711-0719	L2316030-2	EPA TO9A	1,2,3,4,6,7,8-HpCDF	0.63	pg	M,J,R	U	25
CITY-20190711-0719	L2316030-2	EPA TO9A	OCDF	0.93	pg	M,J,R	U	25
RESIDENTIAL-20190713-0719	L2316030-3	EPA TO9A	1,2,3,4,6,7,8-HpCDD	1.3	pg	M,J,R	U	25
RESIDENTIAL-20190713-0719	L2316030-3	EPA TO9A	OCDD	5.2	pg	J,R	U	25
HEISER-25745103	L2308151-1	EPA TO9A	1,2,3,4,6,7,8-HpCDD	0.93	pg	M,J,R	U	25
HEISER-25745103	L2308151-1	EPA TO9A	OCDD	2.81	pg	J,B	U	7
RES-25745100	L2308151-2	EPA TO9A	OCDD	2.71	pg	J,B	U	7
RES-25745100	L2308151-2	EPA TO9A	OCDF	0.95	pg	M,J,R	U	25
CITY-25745101	L2308151-3	EPA TO9A	1,2,3,4,7,8-HxCDD	0.64	pg	M,J,R	U	25
CITY-25745101	L2308151-3	EPA TO9A	1,2,3,6,7,8-HxCDD	0.55	pg	M,J,R	U	25
CITY-25745101	L2308151-3	EPA TO9A	1,2,3,7,8,9-HxCDD	0.48	pg	M,J,R	U	25

**Qualified Data Summary Table**  
**Seattle Iron and Metals - Phase I Dust Monitoring**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB QUAL	DV QUAL	DV CODE
CITY-25745101	L2308151-3	EPA TO9A	OCDD	9.64	pg	M,J,B	U	7
HEISER-25764410	L2310263-1	EPA TO9A	2,3,7,8-TCDD	1.4	pg	U	UJ	1
RESIDENTIAL-20190719-0725	L2320141-3	EPA TO9A	1,2,3,4,6,7,8-HpCDD	0.95	pg	M,J,R	U	25
RESIDENTIAL-20190719-0725	L2320141-3	EPA TO9A	OCDD	5.48	pg	J	U	7
HEISER-20190815-0823	L2336381-4	EPA TO9A	1,2,3,4,6,7,8-HpCDD	2	pg	M,J,R	U	25
HEISER-20190815-0823	L2336381-4	EPA TO9A	OCDD	9.2	pg	M,J,R	U	25
HEISER-20190815-0823	L2336381-4	EPA TO9A	1,2,3,7,8,9-HxCDF	1.4	pg	M,J,R	U	25
HEISER-20190815-0823	L2336381-4	EPA TO9A	1,2,3,4,7,8,9-HpCDF	0.82	pg	M,J,R	U	25
HEISER-20190815-0823	L2336381-4	EPA TO9A	OCDF	5.3	pg	M,J,R	U	25
HEISER-25764410	L2310263-1	EPA TO9A	1,2,3,7,8-PeCDD	0.61	pg	U	UJ	1
HEISER-25764410	L2310263-1	EPA TO9A	1,2,3,4,7,8-HxCDD	0.85	pg	U	UJ	1
HEISER-25764410	L2310263-1	EPA TO9A	1,2,3,6,7,8-HxCDD	0.78	pg	U	UJ	1
HEISER-25764410	L2310263-1	EPA TO9A	1,2,3,7,8,9-HxCDD	0.81	pg	U	UJ	1
HEISER-25764410	L2310263-1	EPA TO9A	1,2,3,4,6,7,8-HpCDD	1.3	pg	M,J,R	UJ	1,25
HEISER-25764410	L2310263-1	EPA TO9A	OCDD	6.5	pg	M,J,R	UJ	1,25
HEISER-25764410	L2310263-1	EPA TO9A	2,3,7,8-TCDF	0.99	pg	U	UJ	1
HEISER-25764410	L2310263-1	EPA TO9A	1,2,3,7,8-PeCDF	0.65	pg	U	UJ	1
HEISER-25764410	L2310263-1	EPA TO9A	2,3,4,7,8-PeCDF	0.58	pg	U	UJ	1
HEISER-25764410	L2310263-1	EPA TO9A	1,2,3,4,7,8-HxCDF	0.65	pg	U	UJ	1
HEISER-25764410	L2310263-1	EPA TO9A	1,2,3,6,7,8-HxCDF	0.61	pg	U	UJ	1
HEISER-25764410	L2310263-1	EPA TO9A	2,3,4,6,7,8-HxCDF	0.65	pg	M,U	UJ	1
HEISER-25764410	L2310263-1	EPA TO9A	1,2,3,7,8,9-HxCDF	0.74	pg	M,U	UJ	1
HEISER-25764410	L2310263-1	EPA TO9A	1,2,3,4,6,7,8-HpCDF	0.55	pg	U	UJ	1
HEISER-25764410	L2310263-1	EPA TO9A	1,2,3,4,7,8,9-HpCDF	0.65	pg	U	UJ	1
HEISER-25764410	L2310263-1	EPA TO9A	OCDF	1.5	pg	M,J,R	UJ	1,25
HEISER-25764410	L2310263-1	EPA TO9A	Total-TCDD	1.4	pg	U	UJ	1
HEISER-25764410	L2310263-1	EPA TO9A	Total-PeCDD	0.61	pg	U	UJ	1
HEISER-25764410	L2310263-1	EPA TO9A	Total-HxCDD	0.85	pg	U	UJ	1
HEISER-25764410	L2310263-1	EPA TO9A	Total-HpCDD	0.75	pg	U	UJ	1
HEISER-25764410	L2310263-1	EPA TO9A	Total-TCDF	0.99	pg	U	UJ	1
HEISER-25764410	L2310263-1	EPA TO9A	Total-PeCDF	0.65	pg	U	UJ	1

**Qualified Data Summary Table**  
**Seattle Iron and Metals - Phase I Dust Monitoring**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB QUAL	DV QUAL	DV CODE
HEISER-25764410	L2310263-1	EPA TO9A	Total-HxCDF	0.74	pg	U	UJ	1
HEISER-25764410	L2310263-1	EPA TO9A	Total-HpCDF	0.65	pg	U	UJ	1
CITY-45764407	L2310263-2	EPA TO9A	2,3,7,8-TCDD	2.1	pg	U	UJ	1
CITY-45764407	L2310263-2	EPA TO9A	1,2,3,7,8-PeCDD	1	pg	U	UJ	1
CITY-45764407	L2310263-2	EPA TO9A	1,2,3,4,7,8-HxCDD	1.2	pg	U	UJ	1
CITY-45764407	L2310263-2	EPA TO9A	1,2,3,6,7,8-HxCDD	1.1	pg	U	UJ	1
CITY-45764407	L2310263-2	EPA TO9A	1,2,3,7,8,9-HxCDD	1.1	pg	U	UJ	1
CITY-45764407	L2310263-2	EPA TO9A	1,2,3,4,6,7,8-HpCDD	1.4	pg	M,J,R	UJ	1,25
CITY-45764407	L2310263-2	EPA TO9A	OCDD	8.24	pg	M,J	UJ	1,7
CITY-45764407	L2310263-2	EPA TO9A	2,3,7,8-TCDF	1.2	pg	U	UJ	1
CITY-45764407	L2310263-2	EPA TO9A	1,2,3,7,8-PeCDF	0.82	pg	U	UJ	1
CITY-45764407	L2310263-2	EPA TO9A	2,3,4,7,8-PeCDF	0.73	pg	U	UJ	1
CITY-45764407	L2310263-2	EPA TO9A	1,2,3,4,7,8-HxCDF	0.67	pg	U	UJ	1
CITY-45764407	L2310263-2	EPA TO9A	1,2,3,6,7,8-HxCDF	0.62	pg	U	UJ	1
CITY-45764407	L2310263-2	EPA TO9A	2,3,4,6,7,8-HxCDF	0.66	pg	U	UJ	1
CITY-45764407	L2310263-2	EPA TO9A	1,2,3,7,8,9-HxCDF	1.1	pg	M,J,R	UJ	1,25
CITY-45764407	L2310263-2	EPA TO9A	1,2,3,4,6,7,8-HpCDF	0.81	pg	M,J,R	UJ	1,25
CITY-45764407	L2310263-2	EPA TO9A	1,2,3,4,7,8,9-HpCDF	0.84	pg	U	UJ	1
CITY-45764407	L2310263-2	EPA TO9A	OCDF	1.3	pg	M,J,R	UJ	1,25
CITY-45764407	L2310263-2	EPA TO9A	Total-TCDD	2.1	pg	U	UJ	1
CITY-45764407	L2310263-2	EPA TO9A	Total-PeCDD	1	pg	U	UJ	1
CITY-45764407	L2310263-2	EPA TO9A	Total-HxCDD	1.2	pg	U	UJ	1
CITY-45764407	L2310263-2	EPA TO9A	Total-HpCDD	0.68	pg	U	UJ	1
CITY-45764407	L2310263-2	EPA TO9A	Total-TCDF	1.2	pg	U	UJ	1
CITY-45764407	L2310263-2	EPA TO9A	Total-PeCDF	0.82	pg	U	UJ	1
CITY-45764407	L2310263-2	EPA TO9A	Total-HxCDF	0.76	pg	U	UJ	1
CITY-45764407	L2310263-2	EPA TO9A	Total-HpCDF	0.84	pg	U	UJ	1
RES-25764409	L2310263-3	EPA TO9A	2,3,7,8-TCDD	2	pg	U	UJ	1
RES-25764409	L2310263-3	EPA TO9A	1,2,3,7,8-PeCDD	0.89	pg	U	UJ	1
RES-25764409	L2310263-3	EPA TO9A	1,2,3,4,7,8-HxCDD	1.1	pg	U	UJ	1
RES-25764409	L2310263-3	EPA TO9A	1,2,3,6,7,8-HxCDD	1	pg	U	UJ	1

**Qualified Data Summary Table**  
**Seattle Iron and Metals - Phase I Dust Monitoring**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB QUAL	DV QUAL	DV CODE
RESIDENTIAL-20190713-0719	L2316030-3	EPA TO9A	1,2,3,7,8,9-HxCDF	0.87	pg	M,J,R	U	25
RESIDENTIAL-20190713-0719	L2316030-3	EPA TO9A	OCDF	0.79	pg	M,J,R	U	25
HEISER-20190719-0725	L2320141-1	EPA TO9A	OCDD	2.8	pg	M,J,R	U	25
HEISER-20190719-0725	L2320141-1	EPA TO9A	1,2,3,7,8,9-HxCDF	1.38	pg	M,J,B	U	7
HEISER-20190725-0801	L2322808-1	EPA TO9A	1,2,3,4,6,7,8-HpCDD	0.96	pg	M,J,R	U	25
HEISER-20190725-0801	L2322808-1	EPA TO9A	OCDD	5.59	pg	M,J	U	7
HEISER-20190725-0801	L2322808-1	EPA TO9A	1,2,3,7,8,9-HxCDF	1.39	pg	M,J,B	U	7
RESIDENTIAL-20190725-0801	L2322808-3	EPA TO9A	1,2,3,4,6,7,8-HpCDD	1.5	pg	M,J,R	U	25
RESIDENTIAL-20190725-0801	L2322808-3	EPA TO9A	OCDD	12	pg	J,R	U	25
RESIDENTIAL-20190725-0801	L2322808-3	EPA TO9A	1,2,3,7,8-PeCDF	0.82	pg	M,J,R	U	25
RESIDENTIAL-20190725-0801	L2322808-3	EPA TO9A	1,2,3,7,8,9-HxCDF	0.88	pg	M,J,B	U	7
RESIDENTIAL-20190725-0801	L2322808-3	EPA TO9A	1,2,3,4,6,7,8-HpCDF	0.76	pg	M,J,R	U	25
RESIDENTIAL-20190725-0801	L2322808-3	EPA TO9A	OCDF	3.54	pg	J,B	U	7
HEISER-20190801-0808	L2327284-1	EPA TO9A	2,3,7,8-TCDD	1.1	pg	U	UJ	13L
HEISER-20190801-0808	L2327284-1	EPA TO9A	1,2,3,7,8-PeCDD	0.56	pg	U	UJ	13L
HEISER-20190801-0808	L2327284-1	EPA TO9A	1,2,3,4,7,8-HxCDD	0.48	pg	U	UJ	13L
HEISER-20190801-0808	L2327284-1	EPA TO9A	1,2,3,6,7,8-HxCDD	0.44	pg	M,U	UJ	13L
HEISER-20190801-0808	L2327284-1	EPA TO9A	1,2,3,7,8,9-HxCDD	0.45	pg	M,U	UJ	13L
HEISER-20190801-0808	L2327284-1	EPA TO9A	1,2,3,4,6,7,8-HpCDD	1.35	pg	M,J,B	UJ	7,13L
HEISER-20190801-0808	L2327284-1	EPA TO9A	OCDD	4	pg	M,J,R	UJ	13,25
HEISER-20190801-0808	L2327284-1	EPA TO9A	2,3,7,8-TCDF	0.65	pg	U	UJ	13L
HEISER-20190801-0808	L2327284-1	EPA TO9A	1,2,3,7,8-PeCDF	1	pg	M,J,R	UJ	13,25
HEISER-20190801-0808	L2327284-1	EPA TO9A	2,3,4,7,8-PeCDF	0.34	pg	U	UJ	13,25
HEISER-20190801-0808	L2327284-1	EPA TO9A	1,2,3,4,7,8-HxCDF	0.6	pg	M,J	J	13
HEISER-20190801-0808	L2327284-1	EPA TO9A	1,2,3,6,7,8-HxCDF	0.42	pg	M,J,R	UJ	13,25
HEISER-20190801-0808	L2327284-1	EPA TO9A	2,3,4,6,7,8-HxCDF	0.49	pg	M,J	J	13
HEISER-20190801-0808	L2327284-1	EPA TO9A	1,2,3,7,8,9-HxCDF	0.95	pg	M,J,R	UJ	13,25
HEISER-20190801-0808	L2327284-1	EPA TO9A	1,2,3,4,6,7,8-HpCDF	0.54	pg	M,J,R	UJ	13,25
HEISER-20190801-0808	L2327284-1	EPA TO9A	1,2,3,4,7,8,9-HpCDF	0.58	pg	M,J,R	UJ	13,25
HEISER-20190801-0808	L2327284-1	EPA TO9A	OCDF	1.8	pg	J,R	UJ	13,25
HEISER-20190801-0808	L2327284-1	EPA TO9A	Total-TCDD	1.1	pg	U	UJ	13L

**Qualified Data Summary Table**  
**Seattle Iron and Metals - Phase I Dust Monitoring**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB QUAL	DV QUAL	DV CODE
HEISER-20190801-0808	L2327284-1	EPA TO9A	Total-PeCDD	0.56	pg	U	UJ	13L
HEISER-20190801-0808	L2327284-1	EPA TO9A	Total-HxCDD	0.48	pg	U	UJ	13L
HEISER-20190801-0808	L2327284-1	EPA TO9A	Total-HpCDD	1.35	pg		J	13L
HEISER-20190801-0808	L2327284-1	EPA TO9A	Total-TCDF	0.65	pg	U	UJ	13L
HEISER-20190801-0808	L2327284-1	EPA TO9A	Total-PeCDF	0.38	pg	U	UJ	13L
HEISER-20190801-0808	L2327284-1	EPA TO9A	Total-HxCDF	1.09	pg		J	13L
HEISER-20190801-0808	L2327284-1	EPA TO9A	Total-HpCDF	0.43	pg	U	UJ	13L
CITY-20190801-0808	L2327284-2	EPA TO9A	1,2,3,4,6,7,8-HpCDD	1.92	pg	J,B	U	7
CITY-20190801-0808	L2327284-2	EPA TO9A	OCDD	5.84	pg	J	U	7
CITY-20190801-0808	L2327284-2	EPA TO9A	1,2,3,7,8-PeCDF	1.1	pg	M,J,R	U	25
CITY-20190801-0808	L2327284-2	EPA TO9A	2,3,4,6,7,8-HxCDF	0.38	pg	M,J,R	U	25
CITY-20190801-0808	L2327284-2	EPA TO9A	1,2,3,4,7,8,9-HpCDF	0.51	pg	M,J,R	U	25
CITY-20190801-0808	L2327284-2	EPA TO9A	OCDF	2	pg	M,J,R	U	25
RESIDENTIAL-20190801-0808	L2327284-3	EPA TO9A	1,2,3,6,7,8-HxCDD	0.4	pg	M,J,R	U	25
RESIDENTIAL-20190801-0808	L2327284-3	EPA TO9A	1,2,3,4,6,7,8-HpCDD	1.2	pg	J,R	U	25
RESIDENTIAL-20190801-0808	L2327284-3	EPA TO9A	OCDD	5.2	pg	M,J,R	U	25
RESIDENTIAL-20190801-0808	L2327284-3	EPA TO9A	1,2,3,4,7,8-HxCDF	0.29	pg	M,J,R	U	25
RESIDENTIAL-20190801-0808	L2327284-3	EPA TO9A	OCDF	1.8	pg	J,R	U	25
CITY-20190725-0801	L2327284-4	EPA TO9A	2,3,7,8-TCDD	0.74	pg	U	UJ	1
CITY-20190725-0801	L2327284-4	EPA TO9A	1,2,3,7,8-PeCDD	0.48	pg	U	UJ	1
CITY-20190725-0801	L2327284-4	EPA TO9A	1,2,3,4,7,8-HxCDD	0.62	pg	U	UJ	1
CITY-20190725-0801	L2327284-4	EPA TO9A	1,2,3,6,7,8-HxCDD	0.57	pg	M,U	UJ	1
CITY-20190725-0801	L2327284-4	EPA TO9A	1,2,3,7,8,9-HxCDD	0.59	pg	M,U	UJ	1
CITY-20190725-0801	L2327284-4	EPA TO9A	1,2,3,4,6,7,8-HpCDD	2.95	pg	M,J,B	UJ	1,7
CITY-20190725-0801	L2327284-4	EPA TO9A	OCDD	10.1	pg	J	UJ	1,7
CITY-20190725-0801	L2327284-4	EPA TO9A	2,3,7,8-TCDF	0.45	pg	U	UJ	1
CITY-20190725-0801	L2327284-4	EPA TO9A	1,2,3,7,8-PeCDF	0.74	pg	M,J	J	1
CITY-20190725-0801	L2327284-4	EPA TO9A	2,3,4,7,8-PeCDF	0.53	pg	M,J	J	1
CITY-20190725-0801	L2327284-4	EPA TO9A	1,2,3,4,7,8-HxCDF	0.35	pg	U	UJ	1
CITY-20190725-0801	L2327284-4	EPA TO9A	1,2,3,6,7,8-HxCDF	0.33	pg	U	UJ	1
CITY-20190725-0801	L2327284-4	EPA TO9A	2,3,4,6,7,8-HxCDF	0.35	pg	M,U	UJ	1



**Qualified Data Summary Table  
Seattle Iron and Metals - Phase I Dust Monitoring**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB QUAL	DV QUAL	DV CODE
CITY-20190725-0801	L2327284-4	EPA TO9A	1,2,3,7,8,9-HxCDF	1.2	pg	M,J,R	UJ	1,25
CITY-20190725-0801	L2327284-4	EPA TO9A	1,2,3,4,6,7,8-HpCDF	0.99	pg	M,J	J	1
CITY-20190725-0801	L2327284-4	EPA TO9A	1,2,3,4,7,8,9-HpCDF	0.32	pg	U	UJ	1
CITY-20190725-0801	L2327284-4	EPA TO9A	OCDF	1.32	pg	M,J,B	UJ	1,7
CITY-20190725-0801	L2327284-4	EPA TO9A	Total-TCDD	0.74	pg	U	UJ	1
CITY-20190725-0801	L2327284-4	EPA TO9A	Total-PeCDD	0.48	pg	U	UJ	1
CITY-20190725-0801	L2327284-4	EPA TO9A	Total-HxCDD	0.62	pg	U	UJ	1
CITY-20190725-0801	L2327284-4	EPA TO9A	Total-HpCDD	2.95	pg		J	1
CITY-20190725-0801	L2327284-4	EPA TO9A	Total-TCDF	0.45	pg	U	UJ	1
CITY-20190725-0801	L2327284-4	EPA TO9A	Total-PeCDF	1.27	pg		J	1
CITY-20190725-0801	L2327284-4	EPA TO9A	Total-HxCDF	0.68	pg		J	1
CITY-20190725-0801	L2327284-4	EPA TO9A	Total-HpCDF	0.99	pg		J	1
HEISER-20190808-0815	L2336381-1	EPA TO9A	1,2,3,4,6,7,8-HpCDD	3.55	pg	J,B	U	7
HEISER-20190808-0815	L2336381-1	EPA TO9A	OCDD	18.2	pg	J	U	7
HEISER-20190808-0815	L2336381-1	EPA TO9A	1,2,3,7,8,9-HxCDF	0.99	pg	M,J,R	U	25
HEISER-20190808-0815	L2336381-1	EPA TO9A	1,2,3,4,6,7,8-HpCDF	1.8	pg	M,J,R	U	25
HEISER-20190808-0815	L2336381-1	EPA TO9A	1,2,3,4,7,8,9-HpCDF	1.5	pg	M,J,R	U	25
HEISER-20190808-0815	L2336381-1	EPA TO9A	OCDF	9.36	pg	J,B	U	7
CITY-20190808-0815	L2336381-2	EPA TO9A	1,2,3,4,6,7,8-HpCDD	1.1	pg	M,J,R	U	25
CITY-20190808-0815	L2336381-2	EPA TO9A	OCDD	5.56	pg	J	U	7
CITY-20190808-0815	L2336381-2	EPA TO9A	OCDF	1.4	pg	M,J,R	U	25
RESIDENTIAL-20190808-0815	L2336381-3	EPA TO9A	1,2,3,4,7,8-HxCDD	0.44	pg	M,J,R	U	25
RESIDENTIAL-20190808-0815	L2336381-3	EPA TO9A	1,2,3,4,6,7,8-HpCDD	1.54	pg	M,J,B	U	7
RESIDENTIAL-20190808-0815	L2336381-3	EPA TO9A	OCDD	6.45	pg	J	U	7
RESIDENTIAL-20190808-0815	L2336381-3	EPA TO9A	1,2,3,7,8,9-HxCDF	0.97	pg	M,J,R	U	25
RESIDENTIAL-20190808-0815	L2336381-3	EPA TO9A	1,2,3,4,6,7,8-HpCDF	0.57	pg	M,J,R	U	25
RESIDENTIAL-20190808-0815	L2336381-3	EPA TO9A	1,2,3,4,7,8,9-HpCDF	0.59	pg	M,J,R	U	25
RESIDENTIAL-20190808-0815	L2336381-3	EPA TO9A	OCDF	2.21	pg	J,B	U	7
CITY-20190815-0823	L2336381-5	EPA TO9A	1,2,3,4,6,7,8-HpCDD	1.39	pg	M,J,B	U	7
CITY-20190815-0823	L2336381-5	EPA TO9A	OCDD	3.4	pg	M,J,R	U	25
CITY-20190815-0823	L2336381-5	EPA TO9A	1,2,3,7,8-PeCDF	0.52	pg	M,J,R	U	25

**Qualified Data Summary Table**  
**Seattle Iron and Metals - Phase I Dust Monitoring**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB QUAL	DV QUAL	DV CODE
CITY-20190815-0823	L2336381-5	EPA TO9A	2,3,4,6,7,8-HxCDF	0.3	pg	M,J	U	7
CITY-20190815-0823	L2336381-5	EPA TO9A	1,2,3,4,6,7,8-HpCDF	0.33	pg	M,J,R	U	25
CITY-20190815-0823	L2336381-5	EPA TO9A	OCDF	1.2	pg	M,J,R	U	25
RESIDENTIAL-20190815-0823	L2336381-6	EPA TO9A	1,2,3,7,8,9-HxCDD	0.56	pg	M,J,R	U	25
RESIDENTIAL-20190815-0823	L2336381-6	EPA TO9A	1,2,3,4,6,7,8-HpCDD	1.92	pg	J,B	U	7
RESIDENTIAL-20190815-0823	L2336381-6	EPA TO9A	OCDD	5.35	pg	J	U	7
RESIDENTIAL-20190815-0823	L2336381-6	EPA TO9A	1,2,3,7,8-PeCDF	0.53	pg	M,J,R	U	25
RESIDENTIAL-20190815-0823	L2336381-6	EPA TO9A	1,2,3,6,7,8-HxCDF	0.39	pg	M,J,R	U	25
RESIDENTIAL-20190815-0823	L2336381-6	EPA TO9A	2,3,4,6,7,8-HxCDF	0.52	pg	M,J,R	U	25
RESIDENTIAL-20190815-0823	L2336381-6	EPA TO9A	1,2,3,7,8,9-HxCDF	0.76	pg	M,J,R	U	25
RESIDENTIAL-20190815-0823	L2336381-6	EPA TO9A	OCDF	2.47	pg	J,B	U	7
RES-061419	L2294320-1	EPA 1668C	PCB-001	38.5	pg	J	J	13
RES-061419	L2294320-1	EPA 1668C	PCB-002	13	pg	J,R	UJ	13,25
RES-061419	L2294320-1	EPA 1668C	PCB-003	27	pg	J,R	UJ	13,25
RES-061419	L2294320-1	EPA 1668C	PCB-004	89	pg	J,R	UJ	13,25
RES-061419	L2294320-1	EPA 1668C	PCB-010	5.3	pg	U	UJ	13
RES-061419	L2294320-1	EPA 1668C	PCB-009	13.2	pg	J	J	13
RES-061419	L2294320-1	EPA 1668C	PCB-007	5.1	pg	U	U	13
RES-061419	L2294320-1	EPA 1668C	PCB-006	41.8	pg	J	J	13
RES-061419	L2294320-1	EPA 1668C	PCB-005	6	pg	U	U	13
RES-061419	L2294320-1	EPA 1668C	PCB-008	119	pg		J	13
RES-061419	L2294320-1	EPA 1668C	PCB-014	4.2	pg	U	U	13
RES-061419	L2294320-1	EPA 1668C	PCB-011	181	pg		J	13
RES-061419	L2294320-1	EPA 1668C	PCB-012/013	4.3	pg	U	U	13
RES-061419	L2294320-1	EPA 1668C	PCB-015	23	pg	J,R	UJ	13,25
RES-061419	L2294320-1	EPA 1668C	PCB-019	12	pg	J,R	UJ	13,25
RES-061419	L2294320-1	EPA 1668C	PCB-018/030	93	pg	J,B	J	13
RES-061419	L2294320-1	EPA 1668C	PCB-017	45.1	pg	J	J	13
RES-061419	L2294320-1	EPA 1668C	PCB-027	7.08	pg	J	J	13
RES-061419	L2294320-1	EPA 1668C	PCB-024	2.5	pg	U	U	13
RES-061419	L2294320-1	EPA 1668C	PCB-016	38.8	pg	J	J	13

**Qualified Data Summary Table  
Seattle Iron and Metals - Phase I Dust Monitoring**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB QUAL	DV QUAL	DV CODE
RES-061419	L2294320-1	EPA 1668C	PCB-032	20	pg	J,R	UJ	13,25
RES-061419	L2294320-1	EPA 1668C	PCB-034	3.2	pg	U	U	13
RES-061419	L2294320-1	EPA 1668C	PCB-023	3.1	pg	U	U	13
RES-061419	L2294320-1	EPA 1668C	PCB-026/029	15	pg	J,R	UJ	13,25
RES-061419	L2294320-1	EPA 1668C	PCB-025	7.9	pg	J,R	UJ	13,25
RES-061419	L2294320-1	EPA 1668C	PCB-031	66.9	pg	J	J	13
RES-061419	L2294320-1	EPA 1668C	PCB-020/028	75.2	pg	J	J	13
RES-061419	L2294320-1	EPA 1668C	PCB-021/033	44	pg	J	J	13
RES-061419	L2294320-1	EPA 1668C	PCB-022	24	pg	J,R	UJ	13,25
RES-061419	L2294320-1	EPA 1668C	PCB-036	2.9	pg	U	U	13
RES-061419	L2294320-1	EPA 1668C	PCB-039	3	pg	U	U	13
RES-061419	L2294320-1	EPA 1668C	PCB-038	3.2	pg	U	U	13
RES-061419	L2294320-1	EPA 1668C	PCB-035	3.2	pg	U	U	13
RES-061419	L2294320-1	EPA 1668C	PCB-037	11.4	pg	J	J	13
RES-061419	L2294320-1	EPA 1668C	PCB-054	1.4	pg	U	U	13
RES-061419	L2294320-1	EPA 1668C	PCB-050/053	8.6	pg	J,R	UJ	13,25
RES-061419	L2294320-1	EPA 1668C	PCB-045/051	14.3	pg	J	J	13
RES-061419	L2294320-1	EPA 1668C	PCB-046	3.1	pg	J,R	UJ	13,25
RES-061419	L2294320-1	EPA 1668C	PCB-052	58.1	pg	J	J	13
RES-061419	L2294320-1	EPA 1668C	PCB-073	1.5	pg	U	U	13
RES-061419	L2294320-1	EPA 1668C	PCB-043	2.3	pg	U	U	13
RES-061419	L2294320-1	EPA 1668C	PCB-049/069	24.5	pg	J	J	13
RES-061419	L2294320-1	EPA 1668C	PCB-048	7.1	pg	J,R	UJ	13,25
RES-061419	L2294320-1	EPA 1668C	PCB-044/047/065	44.8	pg	J	J	13
RES-061419	L2294320-1	EPA 1668C	PCB-059/062/075	2.5	pg	J,R	UJ	13,25
RES-061419	L2294320-1	EPA 1668C	PCB-042	9.2	pg	J,R	UJ	13,25
RES-061419	L2294320-1	EPA 1668C	PCB-040/041/071	17.8	pg	J	J	13
RES-061419	L2294320-1	EPA 1668C	PCB-064	14.3	pg	J	J	13
RES-061419	L2294320-1	EPA 1668C	PCB-072	2.4	pg	U	U	13
RES-061419	L2294320-1	EPA 1668C	PCB-068	2.4	pg	U	U	13
RES-061419	L2294320-1	EPA 1668C	PCB-057	2.5	pg	U	U	13

**Qualified Data Summary Table**  
**Seattle Iron and Metals - Phase I Dust Monitoring**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB QUAL	DV QUAL	DV CODE
RES-061419	L2294320-1	EPA 1668C	PCB-058	2.5	pg	U	U	13
RES-061419	L2294320-1	EPA 1668C	PCB-067	2.2	pg	U	U	13
RES-061419	L2294320-1	EPA 1668C	PCB-063	2.4	pg	U	U	13
RES-061419	L2294320-1	EPA 1668C	PCB-061/070/074/076	36.9	pg	J	J	13
RES-061419	L2294320-1	EPA 1668C	PCB-066	13.1	pg	J	J	13
RES-061419	L2294320-1	EPA 1668C	PCB-055	2.6	pg	U	U	13
RES-061419	L2294320-1	EPA 1668C	PCB-056	5.15	pg	J	J	13
RES-061419	L2294320-1	EPA 1668C	PCB-060	2.6	pg	U	U	13
RES-061419	L2294320-1	EPA 1668C	PCB-080	2.2	pg	U	U	13
RES-061419	L2294320-1	EPA 1668C	PCB-079	2.3	pg	U	U	13
RES-061419	L2294320-1	EPA 1668C	PCB-078	2.6	pg	U	U	13
RES-061419	L2294320-1	EPA 1668C	PCB-081	2.7	pg	U	U	13
RES-061419	L2294320-1	EPA 1668C	PCB-077	2.8	pg	U	U	13
RES-061419	L2294320-1	EPA 1668C	PCB-104	1.2	pg	U	U	13
RES-061419	L2294320-1	EPA 1668C	PCB-096	1.3	pg	U	U	13
RES-061419	L2294320-1	EPA 1668C	PCB-103	1.7	pg	U	U	13
RES-061419	L2294320-1	EPA 1668C	PCB-094	2	pg	U	U	13
RES-061419	L2294320-1	EPA 1668C	PCB-095	19.8	pg	J	J	13
RES-061419	L2294320-1	EPA 1668C	PCB-093/098/100/102	1.9	pg	U	U	13
RES-061419	L2294320-1	EPA 1668C	PCB-088/091	3.1	pg	J,R	UJ	13,25
RES-061419	L2294320-1	EPA 1668C	PCB-084	4.5	pg	J,R	UJ	13,25
RES-061419	L2294320-1	EPA 1668C	PCB-089	2	pg	U	U	13
RES-061419	L2294320-1	EPA 1668C	PCB-121	2.8	pg	J,R	UJ	13,25
RES-061419	L2294320-1	EPA 1668C	PCB-092	3.7	pg	J,R	UJ	13,25
RES-061419	L2294320-1	EPA 1668C	PCB-090/101/113	21	pg	J,R	UJ	13,25
RES-061419	L2294320-1	EPA 1668C	PCB-083/099	12.4	pg	J	J	13
RES-061419	L2294320-1	EPA 1668C	PCB-112	1.3	pg	U	U	13
RES-061419	L2294320-1	EPA 1668C	PCB-086/087/097/109/119/125	14.2	pg	M,J	J	13
RES-061419	L2294320-1	EPA 1668C	PCB-085/110/115/116/117	24.2	pg	M,J	J	13
RES-061419	L2294320-1	EPA 1668C	PCB-082	2.3	pg	U	U	13
RES-061419	L2294320-1	EPA 1668C	PCB-111	1.4	pg	U	U	13

**Qualified Data Summary Table**  
**Seattle Iron and Metals - Phase I Dust Monitoring**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB QUAL	DV QUAL	DV CODE
RES-061419	L2294320-1	EPA 1668C	PCB-120	1.3	pg	U	U	13
RES-061419	L2294320-1	EPA 1668C	PCB-108/124	1.5	pg	U	U	13
RES-061419	L2294320-1	EPA 1668C	PCB-107	1.4	pg	U	U	13
RES-061419	L2294320-1	EPA 1668C	PCB-123	1.7	pg	U	U	13
RES-061419	L2294320-1	EPA 1668C	PCB-106	1.5	pg	U	U	13
RES-061419	L2294320-1	EPA 1668C	PCB-118	5.8	pg	J,R	UJ	13,25
HEISER-06282019	L2301798-1	EPA 1668C	PCB-169	1	pg	J,R	U	25
HEISER-06282019	L2301798-1	EPA 1668C	PCB-187	6.4	pg	J,R	U	25
RES-061419	L2294320-1	EPA 1668C	PCB-122	1.6	pg	U	U	13
RES-061419	L2294320-1	EPA 1668C	PCB-114	1.6	pg	U	U	13
RES-061419	L2294320-1	EPA 1668C	PCB-105	2.9	pg	J,R	UJ	13,25
RES-061419	L2294320-1	EPA 1668C	PCB-127	1.5	pg	U	U	13
RES-061419	L2294320-1	EPA 1668C	PCB-126	1.9	pg	U	U	13
RES-061419	L2294320-1	EPA 1668C	PCB-155	1.5	pg	U	U	13
RES-061419	L2294320-1	EPA 1668C	PCB-152	0.81	pg	U	U	13
RES-061419	L2294320-1	EPA 1668C	PCB-150	0.78	pg	U	U	13
RES-061419	L2294320-1	EPA 1668C	PCB-136	4.2	pg	J,R	UJ	13,25
RES-061419	L2294320-1	EPA 1668C	PCB-145	0.82	pg	U	U	13
RES-061419	L2294320-1	EPA 1668C	PCB-148	1.1	pg	U	U	13
RES-061419	L2294320-1	EPA 1668C	PCB-135/151	8.57	pg	M,J	J	13
RES-061419	L2294320-1	EPA 1668C	PCB-154	0.84	pg	U	U	13
RES-061419	L2294320-1	EPA 1668C	PCB-144	1.1	pg	U	U	13
RES-061419	L2294320-1	EPA 1668C	PCB-147/149	19	pg	J,B	J	13
RES-061419	L2294320-1	EPA 1668C	PCB-134/143	1.9	pg	U	U	13
RES-061419	L2294320-1	EPA 1668C	PCB-139/140	1.6	pg	U	U	13
RES-061419	L2294320-1	EPA 1668C	PCB-131	2.1	pg	U	U	13
RES-061419	L2294320-1	EPA 1668C	PCB-142	1.9	pg	U	U	13
RES-061419	L2294320-1	EPA 1668C	PCB-132	4.9	pg	J,R	UJ	13,25
RES-061419	L2294320-1	EPA 1668C	PCB-133	1.8	pg	U	U	13
RES-061419	L2294320-1	EPA 1668C	PCB-165	1.4	pg	U	U	13
RES-061419	L2294320-1	EPA 1668C	PCB-146	1.6	pg	U	U	13

**Qualified Data Summary Table**  
**Seattle Iron and Metals - Phase I Dust Monitoring**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB QUAL	DV QUAL	DV CODE
RES-061419	L2294320-1	EPA 1668C	PCB-161	1.3	pg	U	U	13
RES-061419	L2294320-1	EPA 1668C	PCB-153/168	12.2	pg	J	J	13
RES-061419	L2294320-1	EPA 1668C	PCB-141	2.5	pg	J,R	UJ	13,25
RES-061419	L2294320-1	EPA 1668C	PCB-130	2	pg	U	U	13
RES-061419	L2294320-1	EPA 1668C	PCB-137/164	1.5	pg	U	U	13
RES-061419	L2294320-1	EPA 1668C	PCB-129/138/163	18.3	pg	J	J	13
RES-061419	L2294320-1	EPA 1668C	PCB-160	1.2	pg	U	U	13
RES-061419	L2294320-1	EPA 1668C	PCB-158	1.2	pg	U	U	13
RES-061419	L2294320-1	EPA 1668C	PCB-128/166	2.15	pg	J	J	13
RES-061419	L2294320-1	EPA 1668C	PCB-159	1.3	pg	U	U	13
RES-061419	L2294320-1	EPA 1668C	PCB-162	1.4	pg	U	U	13
RES-061419	L2294320-1	EPA 1668C	PCB-167	1	pg	U	U	13
RES-061419	L2294320-1	EPA 1668C	PCB-156/157	1.5	pg	U	U	13
RES-061419	L2294320-1	EPA 1668C	PCB-169	1.1	pg	U	U	13
RES-061419	L2294320-1	EPA 1668C	PCB-188	2.6	pg	U	U	13
RES-061419	L2294320-1	EPA 1668C	PCB-179	2	pg	J,R	UJ	13,25
RES-061419	L2294320-1	EPA 1668C	PCB-184	1.9	pg	U	U	13
RES-061419	L2294320-1	EPA 1668C	PCB-176	1.9	pg	U	U	13
RES-061419	L2294320-1	EPA 1668C	PCB-186	2	pg	U	U	13
RES-061419	L2294320-1	EPA 1668C	PCB-178	2.7	pg	U	U	13
RES-061419	L2294320-1	EPA 1668C	PCB-175	2.6	pg	U	U	13
RES-061419	L2294320-1	EPA 1668C	PCB-187	6.66	pg	J	J	13
RES-061419	L2294320-1	EPA 1668C	PCB-182	2.5	pg	U	U	13
RES-061419	L2294320-1	EPA 1668C	PCB-183	2.5	pg	U	U	13
RES-061419	L2294320-1	EPA 1668C	PCB-185	2.9	pg	U	U	13
RES-061419	L2294320-1	EPA 1668C	PCB-174	2.5	pg	U	U	13
RES-061419	L2294320-1	EPA 1668C	PCB-177	3	pg	J,R	UJ	13,25
RES-061419	L2294320-1	EPA 1668C	PCB-181	2.7	pg	U	U	13
RES-061419	L2294320-1	EPA 1668C	PCB-171/173	2.8	pg	U	U	13
RES-061419	L2294320-1	EPA 1668C	PCB-172	2.7	pg	U	U	13
RES-061419	L2294320-1	EPA 1668C	PCB-192	2.2	pg	U	U	13

**Qualified Data Summary Table**  
**Seattle Iron and Metals - Phase I Dust Monitoring**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB QUAL	DV QUAL	DV CODE
RES-061419	L2294320-1	EPA 1668C	PCB-180/193	4.36	pg	J	J	13
RES-061419	L2294320-1	EPA 1668C	PCB-191	2.1	pg	U	U	13
RES-061419	L2294320-1	EPA 1668C	PCB-170	2.8	pg	U	U	13
RES-061419	L2294320-1	EPA 1668C	PCB-190	1.8	pg	U	U	13
RES-061419	L2294320-1	EPA 1668C	PCB-189	0.73	pg	U	U	13
RES-061419	L2294320-1	EPA 1668C	PCB-202	1	pg	U	U	13
RES-061419	L2294320-1	EPA 1668C	PCB-201	0.86	pg	U	U	13
RES-061419	L2294320-1	EPA 1668C	PCB-204	0.88	pg	U	U	13
RES-061419	L2294320-1	EPA 1668C	PCB-197	0.87	pg	U	U	13
RES-061419	L2294320-1	EPA 1668C	PCB-200	0.86	pg	U	U	13
RES-061419	L2294320-1	EPA 1668C	PCB-198/199	1.87	pg	J	J	13
RES-061419	L2294320-1	EPA 1668C	PCB-196	1.1	pg	U	U	13
RES-061419	L2294320-1	EPA 1668C	PCB-203	1.1	pg	U	U	13
RES-061419	L2294320-1	EPA 1668C	PCB-195	1.1	pg	U	U	13
RES-061419	L2294320-1	EPA 1668C	PCB-194	3.3	pg	J,R	UJ	13,25
RES-061419	L2294320-1	EPA 1668C	PCB-205	0.75	pg	U	U	13
RES-061419	L2294320-1	EPA 1668C	PCB-208	2.9	pg	U	U	13
RES-061419	L2294320-1	EPA 1668C	PCB-207	2	pg	U	U	13
RES-061419	L2294320-1	EPA 1668C	PCB-206	2.6	pg	U	U	13
RES-061419	L2294320-1	EPA 1668C	PCB-209	1.9	pg	U	U	13
RES-061419	L2294320-1	EPA 1668C	Total MonoCB	78.5	pg	J	J	13
RES-061419	L2294320-1	EPA 1668C	Total DiCB	467	pg	J	J	13
RES-061419	L2294320-1	EPA 1668C	Total TriCB	460	pg	J	J	13
RES-061419	L2294320-1	EPA 1668C	Total TetraCB	259	pg	J	J	13
RES-061419	L2294320-1	EPA 1668C	Total PentaCB	114	pg	J	J	13
RES-061419	L2294320-1	EPA 1668C	Total HexaCB	71.8	pg	J	J	13
RES-061419	L2294320-1	EPA 1668C	Total HeptaCB	16	pg	J	J	13
RES-061419	L2294320-1	EPA 1668C	Total OctaCB	5.17	pg	J	J	13
RES-061419	L2294320-1	EPA 1668C	Total NonaCB	2	pg	U	U	13
RES-061419	L2294320-1	EPA 1668C	DecaCB	1.9	pg	U	U	13
RES-061419	L2294320-1	EPA 1668C	Total PCB	1470	pg	J	J	13

**Qualified Data Summary Table**  
**Seattle Iron and Metals - Phase I Dust Monitoring**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB QUAL	DV QUAL	DV CODE
HEI-061419	L2294320-2	EPA 1668C	PCB-001	80	pg	J,R	UJ	13,25
HEI-061419	L2294320-2	EPA 1668C	PCB-002	21.7	pg	J	J	13
HEI-061419	L2294320-2	EPA 1668C	PCB-003	40.3	pg	J	J	13
HEI-061419	L2294320-2	EPA 1668C	PCB-004	186	pg		J	13
HEI-061419	L2294320-2	EPA 1668C	PCB-010	5	pg	U	U	13
HEI-061419	L2294320-2	EPA 1668C	PCB-009	23	pg	J,R	UJ	13,25
HEI-061419	L2294320-2	EPA 1668C	PCB-007	18	pg	J,R	UJ	13,25
HEI-061419	L2294320-2	EPA 1668C	PCB-006	76.5	pg	J	J	13
HEI-061419	L2294320-2	EPA 1668C	PCB-005	5.7	pg	U	U	13
HEI-061419	L2294320-2	EPA 1668C	PCB-008	246	pg		J	13
HEI-061419	L2294320-2	EPA 1668C	PCB-014	6.3	pg	U	U	13
HEI-061419	L2294320-2	EPA 1668C	PCB-011	357	pg	M	J	13
HEI-061419	L2294320-2	EPA 1668C	PCB-012/013	25	pg	M,J,R	UJ	13,25
HEI-061419	L2294320-2	EPA 1668C	PCB-015	57.6	pg	J	J	13
HEI-061419	L2294320-2	EPA 1668C	PCB-019	35.5	pg	J	J	13
HEI-061419	L2294320-2	EPA 1668C	PCB-018/030	191	pg		J	13
HEI-061419	L2294320-2	EPA 1668C	PCB-017	80	pg	J,R	UJ	13,25
HEI-061419	L2294320-2	EPA 1668C	PCB-027	10.3	pg	J	J	13
HEI-061419	L2294320-2	EPA 1668C	PCB-024	2.8	pg	J	J	13
HEI-061419	L2294320-2	EPA 1668C	PCB-016	74.6	pg	J	J	13
HEI-061419	L2294320-2	EPA 1668C	PCB-032	42	pg	J,R	UJ	13,25
HEI-061419	L2294320-2	EPA 1668C	PCB-034	3.3	pg	U	U	13
HEI-061419	L2294320-2	EPA 1668C	PCB-023	3.2	pg	U	U	13
HEI-061419	L2294320-2	EPA 1668C	PCB-026/029	34.2	pg	J	J	13
HEI-061419	L2294320-2	EPA 1668C	PCB-025	19	pg	J	J	13
HEI-061419	L2294320-2	EPA 1668C	PCB-031	129	pg		J	13
HEI-061419	L2294320-2	EPA 1668C	PCB-020/028	151	pg		J	13
HEI-061419	L2294320-2	EPA 1668C	PCB-021/033	88.6	pg	J	J	13
HEI-061419	L2294320-2	EPA 1668C	PCB-022	50.2	pg	J,B	J	13
HEI-061419	L2294320-2	EPA 1668C	PCB-036	2.9	pg	U	U	13
HEI-061419	L2294320-2	EPA 1668C	PCB-039	3.1	pg	U	U	13



**Qualified Data Summary Table**  
**Seattle Iron and Metals - Phase I Dust Monitoring**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB QUAL	DV QUAL	DV CODE
HEI-061419	L2294320-2	EPA 1668C	PCB-038	3.3	pg	U	U	13
HEI-061419	L2294320-2	EPA 1668C	PCB-035	6.55	pg	J	J	13
HEI-061419	L2294320-2	EPA 1668C	PCB-037	19.4	pg	J	J	13
HEI-061419	L2294320-2	EPA 1668C	PCB-054	1.8	pg	U	U	13
HEI-061419	L2294320-2	EPA 1668C	PCB-050/053	18.1	pg	J	J	13
HEI-061419	L2294320-2	EPA 1668C	PCB-045/051	21	pg	J,R	UJ	13,25
HEI-061419	L2294320-2	EPA 1668C	PCB-046	7.9	pg	J,R	UJ	13,25
HEI-061419	L2294320-2	EPA 1668C	PCB-052	148	pg		J	13
HEI-061419	L2294320-2	EPA 1668C	PCB-073	2	pg	U	U	13
HEI-061419	L2294320-2	EPA 1668C	PCB-043	3.1	pg	U	U	13
HEI-061419	L2294320-2	EPA 1668C	PCB-049/069	54.2	pg	J	J	13
HEI-061419	L2294320-2	EPA 1668C	PCB-048	21	pg	J	J	13
HEI-061419	L2294320-2	EPA 1668C	PCB-044/047/065	101	pg		J	13
HEI-061419	L2294320-2	EPA 1668C	PCB-059/062/075	7.53	pg	M,J	J	13
HEI-061419	L2294320-2	EPA 1668C	PCB-042	19	pg	J,R	UJ	13,25
HEI-061419	L2294320-2	EPA 1668C	PCB-040/041/071	40.2	pg	J	J	13
HEI-061419	L2294320-2	EPA 1668C	PCB-064	31.6	pg	J	J	13
HEI-061419	L2294320-2	EPA 1668C	PCB-072	2.4	pg	U	U	13
HEI-061419	L2294320-2	EPA 1668C	PCB-068	2.4	pg	U	U	13
HEI-061419	L2294320-2	EPA 1668C	PCB-057	2.5	pg	U	U	13
HEI-061419	L2294320-2	EPA 1668C	PCB-058	2.5	pg	U	U	13
HEI-061419	L2294320-2	EPA 1668C	PCB-067	2.2	pg	U	U	13
HEI-061419	L2294320-2	EPA 1668C	PCB-063	2.3	pg	U	U	13
HEI-061419	L2294320-2	EPA 1668C	PCB-061/070/074/076	74	pg	J,R	UJ	13,25
HEI-061419	L2294320-2	EPA 1668C	PCB-066	25	pg	J,R	UJ	13,25
HEI-061419	L2294320-2	EPA 1668C	PCB-055	2.6	pg	U	U	13
HEI-061419	L2294320-2	EPA 1668C	PCB-056	13.9	pg	J	J	13
HEI-061419	L2294320-2	EPA 1668C	PCB-060	7.26	pg	J	J	13
HEI-061419	L2294320-2	EPA 1668C	PCB-080	2.2	pg	U	U	13
HEI-061419	L2294320-2	EPA 1668C	PCB-079	2.2	pg	U	U	13
HEI-061419	L2294320-2	EPA 1668C	PCB-078	2.6	pg	U	U	13

**Qualified Data Summary Table**  
**Seattle Iron and Metals - Phase I Dust Monitoring**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB QUAL	DV QUAL	DV CODE
HEI-061419	L2294320-2	EPA 1668C	PCB-081	2.6	pg	U	U	13
HEI-061419	L2294320-2	EPA 1668C	PCB-077	2.5	pg	U	U	13
HEI-061419	L2294320-2	EPA 1668C	PCB-104	1.2	pg	U	U	13
HEI-061419	L2294320-2	EPA 1668C	PCB-096	1.2	pg	U	U	13
HEI-061419	L2294320-2	EPA 1668C	PCB-103	2.2	pg	U	U	13
HEI-061419	L2294320-2	EPA 1668C	PCB-094	2.7	pg	U	U	13
HEI-061419	L2294320-2	EPA 1668C	PCB-095	75.1	pg	J	J	13
HEI-061419	L2294320-2	EPA 1668C	PCB-093/098/100/102	2.5	pg	U	U	13
HEI-061419	L2294320-2	EPA 1668C	PCB-088/091	10	pg	J,R	UJ	13,25
HEI-061419	L2294320-2	EPA 1668C	PCB-084	17.5	pg	J	J	13
HEI-061419	L2294320-2	EPA 1668C	PCB-089	2.7	pg	U	U	13
HEI-061419	L2294320-2	EPA 1668C	PCB-121	4.13	pg	J	J	13
HEI-061419	L2294320-2	EPA 1668C	PCB-092	14.2	pg	J	J	13
HEI-061419	L2294320-2	EPA 1668C	PCB-090/101/113	83.7	pg	J	J	13
HEI-061419	L2294320-2	EPA 1668C	PCB-083/099	29	pg	J,R	UJ	13,25
HEI-061419	L2294320-2	EPA 1668C	PCB-112	1.8	pg	U	U	13
HEI-061419	L2294320-2	EPA 1668C	PCB-086/087/097/109/119/125	45.4	pg	M,J	J	13
HEI-061419	L2294320-2	EPA 1668C	PCB-085/110/115/116/117	76.4	pg	M,J	J	13
HEI-061419	L2294320-2	EPA 1668C	PCB-082	3	pg	U	U	13
HEI-061419	L2294320-2	EPA 1668C	PCB-111	1.8	pg	U	U	13
HEI-061419	L2294320-2	EPA 1668C	PCB-120	1.7	pg	U	U	13
HEI-061419	L2294320-2	EPA 1668C	PCB-108/124	2	pg	U	U	13
HEI-061419	L2294320-2	EPA 1668C	PCB-107	1.9	pg	U	U	13
HEI-061419	L2294320-2	EPA 1668C	PCB-123	2.2	pg	U	U	13
HEI-061419	L2294320-2	EPA 1668C	PCB-106	2	pg	U	U	13
HEI-061419	L2294320-2	EPA 1668C	PCB-118	25	pg	J,R	UJ	13,25
HEI-061419	L2294320-2	EPA 1668C	PCB-122	2.1	pg	U	U	13
HEI-061419	L2294320-2	EPA 1668C	PCB-114	2.1	pg	U	U	13
HEI-061419	L2294320-2	EPA 1668C	PCB-105	11	pg	J,R	UJ	13,25
HEI-061419	L2294320-2	EPA 1668C	PCB-127	1.9	pg	U	U	13
HEI-061419	L2294320-2	EPA 1668C	PCB-126	2.4	pg	U	U	13

**Qualified Data Summary Table**  
**Seattle Iron and Metals - Phase I Dust Monitoring**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB QUAL	DV QUAL	DV CODE
HEI-061419	L2294320-2	EPA 1668C	PCB-155	2.3	pg	U	U	13
HEI-061419	L2294320-2	EPA 1668C	PCB-152	2	pg	U	U	13
HEI-061419	L2294320-2	EPA 1668C	PCB-150	1.9	pg	U	U	13
HEI-061419	L2294320-2	EPA 1668C	PCB-136	12	pg	J,R	UJ	13,25
HEI-061419	L2294320-2	EPA 1668C	PCB-145	2	pg	U	U	13
HEI-061419	L2294320-2	EPA 1668C	PCB-148	2.6	pg	U	U	13
HEI-061419	L2294320-2	EPA 1668C	PCB-135/151	47.5	pg	J	J	13
HEI-061419	L2294320-2	EPA 1668C	PCB-154	2	pg	U	U	13
HEI-061419	L2294320-2	EPA 1668C	PCB-144	2.7	pg	U	U	13
HEI-061419	L2294320-2	EPA 1668C	PCB-147/149	74	pg	J	J	13
HEI-061419	L2294320-2	EPA 1668C	PCB-134/143	3.1	pg	U	U	13
HEI-061419	L2294320-2	EPA 1668C	PCB-139/140	2.6	pg	U	U	13
HEI-061419	L2294320-2	EPA 1668C	PCB-131	3.3	pg	U	U	13
HEI-061419	L2294320-2	EPA 1668C	PCB-142	3	pg	U	U	13
HEI-061419	L2294320-2	EPA 1668C	PCB-132	20	pg	J,R	UJ	13,25
HEI-061419	L2294320-2	EPA 1668C	PCB-133	2.8	pg	U	U	13
HEI-061419	L2294320-2	EPA 1668C	PCB-165	2.2	pg	U	U	13
HEI-061419	L2294320-2	EPA 1668C	PCB-146	7.5	pg	J,R	UJ	13,25
HEI-061419	L2294320-2	EPA 1668C	PCB-161	2	pg	U	U	13
HEI-061419	L2294320-2	EPA 1668C	PCB-153/168	54.3	pg	J	J	13
HEI-061419	L2294320-2	EPA 1668C	PCB-141	11	pg	J,R	UJ	13,25
HEI-061419	L2294320-2	EPA 1668C	PCB-130	3.1	pg	U	U	13
HEI-061419	L2294320-2	EPA 1668C	PCB-137/164	5.8	pg	M,J,R	UJ	13,25
HEI-061419	L2294320-2	EPA 1668C	PCB-129/138/163	48.9	pg	J	J	13
HEI-061419	L2294320-2	EPA 1668C	PCB-160	1.9	pg	U	U	13
HEI-061419	L2294320-2	EPA 1668C	PCB-158	3.2	pg	J,R	UJ	13,25
HEI-061419	L2294320-2	EPA 1668C	PCB-128/166	2.4	pg	U	U	13
HEI-061419	L2294320-2	EPA 1668C	PCB-159	2	pg	U	U	13
HEI-061419	L2294320-2	EPA 1668C	PCB-162	2.1	pg	U	U	13
HEI-061419	L2294320-2	EPA 1668C	PCB-167	1.7	pg	U	U	13
HEI-061419	L2294320-2	EPA 1668C	PCB-156/157	2.6	pg	U	U	13

**Qualified Data Summary Table**  
**Seattle Iron and Metals - Phase I Dust Monitoring**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB QUAL	DV QUAL	DV CODE
HEI-061419	L2294320-2	EPA 1668C	PCB-169	1.9	pg	U	U	13
HEI-061419	L2294320-2	EPA 1668C	PCB-188	1.4	pg	U	U	13
HEI-061419	L2294320-2	EPA 1668C	PCB-179	18	pg	J,R	UJ	13,25
HEI-061419	L2294320-2	EPA 1668C	PCB-184	1.2	pg	U	U	13
HEI-061419	L2294320-2	EPA 1668C	PCB-176	3.6	pg	J,R	UJ	13,25
HEI-061419	L2294320-2	EPA 1668C	PCB-186	1.3	pg	U	U	13
HEI-061419	L2294320-2	EPA 1668C	PCB-178	5.93	pg	J	J	13
HEI-061419	L2294320-2	EPA 1668C	PCB-175	1.7	pg	U	U	13
HEI-061419	L2294320-2	EPA 1668C	PCB-187	33.6	pg	J	J	13
HEI-061419	L2294320-2	EPA 1668C	PCB-182	1.6	pg	U	U	13
HEI-061419	L2294320-2	EPA 1668C	PCB-183	7.9	pg	J,R	UJ	13,25
HEI-061419	L2294320-2	EPA 1668C	PCB-185	3.3	pg	M,J,R	UJ	13,25
HEI-061419	L2294320-2	EPA 1668C	PCB-174	12.6	pg	M,J	J	13
HEI-061419	L2294320-2	EPA 1668C	PCB-177	7.1	pg	J,R	UJ	13,25
HEI-061419	L2294320-2	EPA 1668C	PCB-181	1.8	pg	U	U	13
HEI-061419	L2294320-2	EPA 1668C	PCB-171/173	3.1	pg	J,R	UJ	13,25
HEI-061419	L2294320-2	EPA 1668C	PCB-172	1.8	pg	U	U	13
HEI-061419	L2294320-2	EPA 1668C	PCB-192	1.5	pg	U	U	13
HEI-061419	L2294320-2	EPA 1668C	PCB-180/193	17	pg	J,R	UJ	13,25
HEI-061419	L2294320-2	EPA 1668C	PCB-191	1.3	pg	U	U	13
HEI-061419	L2294320-2	EPA 1668C	PCB-170	3.7	pg	J,R	UJ	13,25
HEI-061419	L2294320-2	EPA 1668C	PCB-190	1.3	pg	J,R	UJ	13,25
HEI-061419	L2294320-2	EPA 1668C	PCB-189	1.4	pg	U	U	13
HEI-061419	L2294320-2	EPA 1668C	PCB-202	2.9	pg	J,R	UJ	13,25
HEI-061419	L2294320-2	EPA 1668C	PCB-201	2	pg	J,R	UJ	13,25
HEI-061419	L2294320-2	EPA 1668C	PCB-204	1.5	pg	U	U	13
HEI-061419	L2294320-2	EPA 1668C	PCB-197	1.5	pg	U	U	13
HEI-061419	L2294320-2	EPA 1668C	PCB-200	1.5	pg	U	U	13
HEI-061419	L2294320-2	EPA 1668C	PCB-198/199	5.7	pg	J,R	UJ	13,25
HEI-061419	L2294320-2	EPA 1668C	PCB-196	2	pg	U	U	13
HEI-061419	L2294320-2	EPA 1668C	PCB-203	3	pg	J,R	UJ	13,25

**Qualified Data Summary Table**  
**Seattle Iron and Metals - Phase I Dust Monitoring**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB QUAL	DV QUAL	DV CODE
HEI-061419	L2294320-2	EPA 1668C	PCB-195	1.1	pg	U	U	13
HEI-061419	L2294320-2	EPA 1668C	PCB-194	5.24	pg	J,B	UJ	7,13
HEI-061419	L2294320-2	EPA 1668C	PCB-205	0.85	pg	U	U	13
HEI-061419	L2294320-2	EPA 1668C	PCB-208	2.9	pg	U	U	13
HEI-061419	L2294320-2	EPA 1668C	PCB-207	2.4	pg	U	U	13
HEI-061419	L2294320-2	EPA 1668C	PCB-206	3.6	pg	U	U	13
HEI-061419	L2294320-2	EPA 1668C	PCB-209	1.9	pg	U	U	13
HEI-061419	L2294320-2	EPA 1668C	Total MonoCB	142	pg	J	J	13
HEI-061419	L2294320-2	EPA 1668C	Total DiCB	989	pg	J	J	13
HEI-061419	L2294320-2	EPA 1668C	Total TriCB	934	pg	J	J	13
HEI-061419	L2294320-2	EPA 1668C	Total TetraCB	590	pg	J	J	13
HEI-061419	L2294320-2	EPA 1668C	Total PentaCB	391	pg	J	J	13
HEI-061419	L2294320-2	EPA 1668C	Total HexaCB	284	pg	J	J	13
HEI-061419	L2294320-2	EPA 1668C	Total HeptaCB	117	pg	J	J	13
HEI-061419	L2294320-2	EPA 1668C	Total OctaCB	18.8	pg	J	J	13
HEI-061419	L2294320-2	EPA 1668C	Total NonaCB	2.4	pg	U	U	13
HEI-061419	L2294320-2	EPA 1668C	DecaCB	1.9	pg	U	U	13
HEI-061419	L2294320-2	EPA 1668C	Total PCB	3470	pg	J	J	13
CIT-061419	L2294320-3	EPA 1668C	PCB-001	63.8	pg	J	J	13
CIT-061419	L2294320-3	EPA 1668C	PCB-002	15.4	pg	J	J	13
CIT-061419	L2294320-3	EPA 1668C	PCB-003	30.4	pg	J	J	13
CIT-061419	L2294320-3	EPA 1668C	PCB-004	171	pg		J	13
CIT-061419	L2294320-3	EPA 1668C	PCB-010	7.8	pg	J,R	UJ	13,25
CIT-061419	L2294320-3	EPA 1668C	PCB-009	20.9	pg	J	J	13
CIT-061419	L2294320-3	EPA 1668C	PCB-007	12.7	pg	J	J	13
CIT-061419	L2294320-3	EPA 1668C	PCB-006	47.9	pg	J	J	13
CIT-061419	L2294320-3	EPA 1668C	PCB-005	4.3	pg	U	U	13
CIT-061419	L2294320-3	EPA 1668C	PCB-008	179	pg		J	13
CIT-061419	L2294320-3	EPA 1668C	PCB-014	4.4	pg	U	U	13
CIT-061419	L2294320-3	EPA 1668C	PCB-011	266	pg		J	13
CIT-061419	L2294320-3	EPA 1668C	PCB-012/013	4.5	pg	U	U	13

**Qualified Data Summary Table**  
**Seattle Iron and Metals - Phase I Dust Monitoring**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB QUAL	DV QUAL	DV CODE
CIT-061419	L2294320-3	EPA 1668C	PCB-015	41.9	pg	M,J	J	13
CIT-061419	L2294320-3	EPA 1668C	PCB-019	28.9	pg	J	J	13
CIT-061419	L2294320-3	EPA 1668C	PCB-018/030	181	pg		J	13
CIT-061419	L2294320-3	EPA 1668C	PCB-017	76.8	pg	J	J	13
CIT-061419	L2294320-3	EPA 1668C	PCB-027	9.82	pg	J	J	13
CIT-061419	L2294320-3	EPA 1668C	PCB-024	1.98	pg	J	J	13
CIT-061419	L2294320-3	EPA 1668C	PCB-016	66.3	pg	J	J	13
CIT-061419	L2294320-3	EPA 1668C	PCB-032	39.5	pg	J	J	13
CIT-061419	L2294320-3	EPA 1668C	PCB-034	2.3	pg	U	U	13
CIT-061419	L2294320-3	EPA 1668C	PCB-023	2.2	pg	U	U	13
CIT-061419	L2294320-3	EPA 1668C	PCB-026/029	26.6	pg	J	J	13
CIT-061419	L2294320-3	EPA 1668C	PCB-025	12	pg	J	J	13
CIT-061419	L2294320-3	EPA 1668C	PCB-031	114	pg		J	13
CIT-061419	L2294320-3	EPA 1668C	PCB-020/028	129	pg		J	13
CIT-061419	L2294320-3	EPA 1668C	PCB-021/033	74.4	pg	J	J	13
CIT-061419	L2294320-3	EPA 1668C	PCB-022	48.4	pg	J,B	J	13
CIT-061419	L2294320-3	EPA 1668C	PCB-036	2	pg	U	U	13
CIT-061419	L2294320-3	EPA 1668C	PCB-039	2.1	pg	U	U	13
CIT-061419	L2294320-3	EPA 1668C	PCB-038	2.3	pg	U	U	13
CIT-061419	L2294320-3	EPA 1668C	PCB-035	5.92	pg	J	J	13
CIT-061419	L2294320-3	EPA 1668C	PCB-037	15	pg	J,R	UJ	13,25
CIT-061419	L2294320-3	EPA 1668C	PCB-054	1.3	pg	U	U	13
CIT-061419	L2294320-3	EPA 1668C	PCB-050/053	15	pg	J,R	UJ	13,25
CIT-061419	L2294320-3	EPA 1668C	PCB-045/051	21.6	pg	J	J	13
CIT-061419	L2294320-3	EPA 1668C	PCB-046	5.8	pg	J,R	UJ	13,25
CIT-061419	L2294320-3	EPA 1668C	PCB-052	147	pg		J	13
CIT-061419	L2294320-3	EPA 1668C	PCB-073	1.3	pg	U	U	13
CIT-061419	L2294320-3	EPA 1668C	PCB-043	3.7	pg	J,R	UJ	13,25
CIT-061419	L2294320-3	EPA 1668C	PCB-049/069	54.8	pg	J	J	13
CIT-061419	L2294320-3	EPA 1668C	PCB-048	17	pg	J,R	UJ	13,25
CIT-061419	L2294320-3	EPA 1668C	PCB-044/047/065	93.6	pg	J	J	13

**Qualified Data Summary Table**  
**Seattle Iron and Metals - Phase I Dust Monitoring**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB QUAL	DV QUAL	DV CODE
CIT-061419	L2294320-3	EPA 1668C	PCB-059/062/075	7.26	pg	J	J	13
CIT-061419	L2294320-3	EPA 1668C	PCB-042	19.8	pg	J	J	13
CIT-061419	L2294320-3	EPA 1668C	PCB-040/041/071	35	pg	J	J	13
CIT-061419	L2294320-3	EPA 1668C	PCB-064	31.8	pg	J	J	13
CIT-061419	L2294320-3	EPA 1668C	PCB-072	1.6	pg	U	U	13
CIT-061419	L2294320-3	EPA 1668C	PCB-068	3.8	pg	J,R	UJ	13,25
CIT-061419	L2294320-3	EPA 1668C	PCB-057	1.7	pg	U	U	13
CIT-061419	L2294320-3	EPA 1668C	PCB-058	1.7	pg	U	U	13
CIT-061419	L2294320-3	EPA 1668C	PCB-067	1.5	pg	U	U	13
CIT-061419	L2294320-3	EPA 1668C	PCB-063	1.6	pg	U	U	13
CIT-061419	L2294320-3	EPA 1668C	PCB-061/070/074/076	81.9	pg	J	J	13
CIT-061419	L2294320-3	EPA 1668C	PCB-066	23.2	pg	J	J	13
CIT-061419	L2294320-3	EPA 1668C	PCB-055	1.8	pg	U	U	13
CIT-061419	L2294320-3	EPA 1668C	PCB-056	11	pg	J,R	UJ	13,25
CIT-061419	L2294320-3	EPA 1668C	PCB-060	4.4	pg	J,R	UJ	13,25
CIT-061419	L2294320-3	EPA 1668C	PCB-080	1.5	pg	U	U	13
CIT-061419	L2294320-3	EPA 1668C	PCB-079	1.5	pg	U	U	13
CIT-061419	L2294320-3	EPA 1668C	PCB-078	1.8	pg	U	U	13
CIT-061419	L2294320-3	EPA 1668C	PCB-081	1.7	pg	U	U	13
CIT-061419	L2294320-3	EPA 1668C	PCB-077	2.78	pg	J	J	13
CIT-061419	L2294320-3	EPA 1668C	PCB-104	0.88	pg	U	U	13
CIT-061419	L2294320-3	EPA 1668C	PCB-096	0.91	pg	U	U	13
CIT-061419	L2294320-3	EPA 1668C	PCB-103	3	pg	U	U	13
CIT-061419	L2294320-3	EPA 1668C	PCB-094	3.7	pg	U	U	13
CIT-061419	L2294320-3	EPA 1668C	PCB-095	77.1	pg	J	J	13
CIT-061419	L2294320-3	EPA 1668C	PCB-093/098/100/102	3.4	pg	U	U	13
CIT-061419	L2294320-3	EPA 1668C	PCB-088/091	11.5	pg	J	J	13
CIT-061419	L2294320-3	EPA 1668C	PCB-084	21.6	pg	J	J	13
CIT-061419	L2294320-3	EPA 1668C	PCB-089	3.7	pg	U	U	13
CIT-061419	L2294320-3	EPA 1668C	PCB-121	2.5	pg	U	U	13
CIT-061419	L2294320-3	EPA 1668C	PCB-092	15.9	pg	J	J	13

**Qualified Data Summary Table**  
**Seattle Iron and Metals - Phase I Dust Monitoring**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB QUAL	DV QUAL	DV CODE
CIT-061419	L2294320-3	EPA 1668C	PCB-090/101/113	81.5	pg	J	J	13
CIT-061419	L2294320-3	EPA 1668C	PCB-083/099	38.3	pg	J	J	13
CIT-061419	L2294320-3	EPA 1668C	PCB-112	2.4	pg	U	U	13
CIT-061419	L2294320-3	EPA 1668C	PCB-086/087/097/109/119/125	45	pg	M,J,R	UJ	13,25
CIT-061419	L2294320-3	EPA 1668C	PCB-085/110/115/116/117	82.7	pg	M,J	J	13
CIT-061419	L2294320-3	EPA 1668C	PCB-082	5.5	pg	J,R	UJ	13,25
CIT-061419	L2294320-3	EPA 1668C	PCB-111	2.5	pg	U	U	13
CIT-061419	L2294320-3	EPA 1668C	PCB-120	2.3	pg	U	U	13
CIT-061419	L2294320-3	EPA 1668C	PCB-108/124	1.9	pg	U	U	13
CIT-061419	L2294320-3	EPA 1668C	PCB-107	1.8	pg	U	U	13
CIT-061419	L2294320-3	EPA 1668C	PCB-123	2.1	pg	U	U	13
CIT-061419	L2294320-3	EPA 1668C	PCB-106	1.9	pg	U	U	13
CIT-061419	L2294320-3	EPA 1668C	PCB-118	31	pg	J,R	UJ	13,25
CIT-061419	L2294320-3	EPA 1668C	PCB-122	2	pg	U	U	13
CIT-061419	L2294320-3	EPA 1668C	PCB-114	2	pg	U	U	13
CIT-061419	L2294320-3	EPA 1668C	PCB-105	12.6	pg	J	J	13
CIT-061419	L2294320-3	EPA 1668C	PCB-127	1.9	pg	U	U	13
CIT-061419	L2294320-3	EPA 1668C	PCB-126	2.5	pg	U	U	13
CIT-061419	L2294320-3	EPA 1668C	PCB-155	1.1	pg	U	U	13
CIT-061419	L2294320-3	EPA 1668C	PCB-152	0.82	pg	U	U	13
CIT-061419	L2294320-3	EPA 1668C	PCB-150	0.79	pg	U	U	13
CIT-061419	L2294320-3	EPA 1668C	PCB-136	10.7	pg	J	J	13
CIT-061419	L2294320-3	EPA 1668C	PCB-145	0.83	pg	U	U	13
CIT-061419	L2294320-3	EPA 1668C	PCB-148	1.1	pg	U	U	13
CIT-061419	L2294320-3	EPA 1668C	PCB-135/151	25.5	pg	J	J	13
CIT-061419	L2294320-3	EPA 1668C	PCB-154	0.85	pg	U	U	13
CIT-061419	L2294320-3	EPA 1668C	PCB-144	1.8	pg	J,R	UJ	13,25
CIT-061419	L2294320-3	EPA 1668C	PCB-147/149	52.4	pg	J	J	13
CIT-061419	L2294320-3	EPA 1668C	PCB-134/143	3.4	pg	J,R	UJ	13,25
CIT-061419	L2294320-3	EPA 1668C	PCB-139/140	1.2	pg	U	U	13
CIT-061419	L2294320-3	EPA 1668C	PCB-131	1.5	pg	U	U	13



**Qualified Data Summary Table**  
**Seattle Iron and Metals - Phase I Dust Monitoring**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB QUAL	DV QUAL	DV CODE
CIT-061419	L2294320-3	EPA 1668C	PCB-142	1.4	pg	U	U	13
CIT-061419	L2294320-3	EPA 1668C	PCB-132	19.3	pg	J	J	13
CIT-061419	L2294320-3	EPA 1668C	PCB-133	1.3	pg	U	U	13
CIT-061419	L2294320-3	EPA 1668C	PCB-165	1	pg	U	U	13
CIT-061419	L2294320-3	EPA 1668C	PCB-146	8.9	pg	J	J	13
CIT-061419	L2294320-3	EPA 1668C	PCB-161	0.91	pg	U	U	13
CIT-061419	L2294320-3	EPA 1668C	PCB-153/168	34.4	pg	J	J	13
CIT-061419	L2294320-3	EPA 1668C	PCB-141	6	pg	J,R	UJ	13,25
CIT-061419	L2294320-3	EPA 1668C	PCB-130	2.1	pg	J,R	UJ	13,25
CIT-061419	L2294320-3	EPA 1668C	PCB-137/164	4.5	pg	M,J,R	UJ	13,25
CITY-06282019	L2301798-2	EPA 1668C	PCB-002	6.6	pg	J,R	U	25
CITY-06282019	L2301798-2	EPA 1668C	PCB-010	2.7	pg	J,R	U	25
CITY-06282019	L2301798-2	EPA 1668C	PCB-009	7.8	pg	J,R	U	25
CITY-06282019	L2301798-2	EPA 1668C	PCB-007	4.7	pg	J,R	U	25
CITY-06282019	L2301798-2	EPA 1668C	PCB-006	18	pg	J,R	U	25
CITY-06282019	L2301798-2	EPA 1668C	PCB-012/013	3.5	pg	J,R	U	25
CITY-06282019	L2301798-2	EPA 1668C	PCB-027	3.6	pg	J,R	U	25
CITY-06282019	L2301798-2	EPA 1668C	PCB-031	38	pg	M,J,R	U	25
CIT-061419	L2294320-3	EPA 1668C	PCB-129/138/163	40.8	pg	J	J	13
CIT-061419	L2294320-3	EPA 1668C	PCB-160	0.88	pg	U	U	13
CIT-061419	L2294320-3	EPA 1668C	PCB-158	2.8	pg	J,R	UJ	13,25
CIT-061419	L2294320-3	EPA 1668C	PCB-128/166	4.1	pg	J,R	UJ	13,25
CIT-061419	L2294320-3	EPA 1668C	PCB-159	0.93	pg	U	U	13
CIT-061419	L2294320-3	EPA 1668C	PCB-162	0.98	pg	U	U	13
CIT-061419	L2294320-3	EPA 1668C	PCB-167	1.11	pg	J	J	13
CIT-061419	L2294320-3	EPA 1668C	PCB-156/157	1.1	pg	U	U	13
CIT-061419	L2294320-3	EPA 1668C	PCB-169	0.89	pg	U	U	13
CIT-061419	L2294320-3	EPA 1668C	PCB-188	1.3	pg	U	U	13
CIT-061419	L2294320-3	EPA 1668C	PCB-179	6.12	pg	J	J	13
CIT-061419	L2294320-3	EPA 1668C	PCB-184	1.1	pg	U	U	13
CIT-061419	L2294320-3	EPA 1668C	PCB-176	1.1	pg	U	U	13

**Qualified Data Summary Table**  
**Seattle Iron and Metals - Phase I Dust Monitoring**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB QUAL	DV QUAL	DV CODE
CIT-061419	L2294320-3	EPA 1668C	PCB-186	1.2	pg	U	U	13
CIT-061419	L2294320-3	EPA 1668C	PCB-178	2.71	pg	J	J	13
CIT-061419	L2294320-3	EPA 1668C	PCB-175	1.5	pg	U	U	13
CIT-061419	L2294320-3	EPA 1668C	PCB-187	13.8	pg	J	J	13
CIT-061419	L2294320-3	EPA 1668C	PCB-182	1.5	pg	U	U	13
CIT-061419	L2294320-3	EPA 1668C	PCB-183	3.1	pg	J,R	UJ	13,25
CIT-061419	L2294320-3	EPA 1668C	PCB-185	1.7	pg	U	U	13
CIT-061419	L2294320-3	EPA 1668C	PCB-174	7.1	pg	J,R	UJ	13,25
CIT-061419	L2294320-3	EPA 1668C	PCB-177	3.04	pg	J	J	13
CIT-061419	L2294320-3	EPA 1668C	PCB-181	1.6	pg	U	U	13
CIT-061419	L2294320-3	EPA 1668C	PCB-171/173	1.6	pg	U	U	13
CIT-061419	L2294320-3	EPA 1668C	PCB-172	1.6	pg	U	U	13
CIT-061419	L2294320-3	EPA 1668C	PCB-192	1.3	pg	U	U	13
CIT-061419	L2294320-3	EPA 1668C	PCB-180/193	12.1	pg	J	J	13
CIT-061419	L2294320-3	EPA 1668C	PCB-191	1.2	pg	U	U	13
CIT-061419	L2294320-3	EPA 1668C	PCB-170	1.6	pg	U	U	13
CIT-061419	L2294320-3	EPA 1668C	PCB-190	1.1	pg	U	U	13
CIT-061419	L2294320-3	EPA 1668C	PCB-189	0.89	pg	U	U	13
CIT-061419	L2294320-3	EPA 1668C	PCB-202	1.8	pg	J,R	UJ	13,25
CIT-061419	L2294320-3	EPA 1668C	PCB-201	0.63	pg	U	U	13
CIT-061419	L2294320-3	EPA 1668C	PCB-204	0.64	pg	U	U	13
CIT-061419	L2294320-3	EPA 1668C	PCB-197	0.64	pg	U	U	13
CIT-061419	L2294320-3	EPA 1668C	PCB-200	1.1	pg	M,J,R	UJ	13,25
CIT-061419	L2294320-3	EPA 1668C	PCB-198/199	4.2	pg	J,R	UJ	13,25
CIT-061419	L2294320-3	EPA 1668C	PCB-196	1.4	pg	M,J,R	UJ	13,25
CIT-061419	L2294320-3	EPA 1668C	PCB-203	2.59	pg	J	J	13
CIT-061419	L2294320-3	EPA 1668C	PCB-195	1	pg	U	U	13
CIT-061419	L2294320-3	EPA 1668C	PCB-194	2.2	pg	J,R	UJ	13,25
CIT-061419	L2294320-3	EPA 1668C	PCB-205	0.79	pg	U	U	13
CIT-061419	L2294320-3	EPA 1668C	PCB-208	2.9	pg	U	U	13
CIT-061419	L2294320-3	EPA 1668C	PCB-207	2.3	pg	U	U	13

**Qualified Data Summary Table**  
**Seattle Iron and Metals - Phase I Dust Monitoring**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB QUAL	DV QUAL	DV CODE
CIT-061419	L2294320-3	EPA 1668C	PCB-206	3.3	pg	U	U	13
CIT-061419	L2294320-3	EPA 1668C	PCB-209	1.7	pg	U	U	13
CIT-061419	L2294320-3	EPA 1668C	Total MonoCB	110	pg	J	J	13
CIT-061419	L2294320-3	EPA 1668C	Total DiCB	747	pg	J	J	13
CIT-061419	L2294320-3	EPA 1668C	Total TriCB	830	pg	J	J	13
CIT-061419	L2294320-3	EPA 1668C	Total TetraCB	579	pg	J	J	13
CIT-061419	L2294320-3	EPA 1668C	Total PentaCB	423	pg	J	J	13
CIT-061419	L2294320-3	EPA 1668C	Total HexaCB	218	pg	J	J	13
CIT-061419	L2294320-3	EPA 1668C	Total HeptaCB	48	pg	J	J	13
CIT-061419	L2294320-3	EPA 1668C	Total OctaCB	13.3	pg	J	J	13
CIT-061419	L2294320-3	EPA 1668C	Total NonaCB	2.3	pg	U	U	13
CIT-061419	L2294320-3	EPA 1668C	DecaCB	1.7	pg	U	U	13
CIT-061419	L2294320-3	EPA 1668C	Total PCB	2970	pg	J	J	13
HEISER-06282019	L2301798-1	EPA 1668C	PCB-002	4.7	pg	M,J,R	U	25
HEISER-06282019	L2301798-1	EPA 1668C	PCB-015	12	pg	J,R	U	25
HEISER-06282019	L2301798-1	EPA 1668C	PCB-019	9.7	pg	J,R	U	25
HEISER-06282019	L2301798-1	EPA 1668C	PCB-018/030	37	pg	J,R	U	25
HEISER-06282019	L2301798-1	EPA 1668C	PCB-027	1.9	pg	J,R	U	25
HEISER-06282019	L2301798-1	EPA 1668C	PCB-031	29	pg	J,R	U	25
HEISER-06282019	L2301798-1	EPA 1668C	PCB-022	13	pg	J,B	U	7
HEISER-06282019	L2301798-1	EPA 1668C	PCB-037	6	pg	J,R	U	25
HEISER-06282019	L2301798-1	EPA 1668C	PCB-050/053	3.2	pg	J,R	U	25
HEISER-06282019	L2301798-1	EPA 1668C	PCB-052	29	pg	J,R	U	25
HEISER-06282019	L2301798-1	EPA 1668C	PCB-048	3.7	pg	J,R	U	25
HEISER-06282019	L2301798-1	EPA 1668C	PCB-040/041/071	6.3	pg	M,J,R	U	25
HEISER-06282019	L2301798-1	EPA 1668C	PCB-064	6.9	pg	J,R	U	25
HEISER-06282019	L2301798-1	EPA 1668C	PCB-061/070/074/076	18	pg	J,R	U	25
HEISER-06282019	L2301798-1	EPA 1668C	PCB-066	4.3	pg	J,R	U	25
HEISER-06282019	L2301798-1	EPA 1668C	PCB-056	2.1	pg	J,R	U	25
HEISER-06282019	L2301798-1	EPA 1668C	PCB-090/101/113	20.4	pg	J,B	U	7
HEISER-06282019	L2301798-1	EPA 1668C	PCB-083/099	9.3	pg	J,R	U	25

**Qualified Data Summary Table**  
**Seattle Iron and Metals - Phase I Dust Monitoring**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB QUAL	DV QUAL	DV CODE
HEISER-06282019	L2301798-1	EPA 1668C	PCB-086/087/097/109/119/125	8.4	pg	M,J,R	U	25
HEISER-06282019	L2301798-1	EPA 1668C	PCB-118	7.7	pg	J,R	U	25
HEISER-06282019	L2301798-1	EPA 1668C	PCB-105	3	pg	J,R	U	25
HEISER-06282019	L2301798-1	EPA 1668C	PCB-126	2.9	pg	M,J,R	U	25
HEISER-06282019	L2301798-1	EPA 1668C	PCB-136	2.7	pg	J,R	U	25
HEISER-06282019	L2301798-1	EPA 1668C	PCB-134/143	1.4	pg	J,R	U	25
HEISER-06282019	L2301798-1	EPA 1668C	PCB-132	3.8	pg	J,R	U	25
HEISER-06282019	L2301798-1	EPA 1668C	PCB-146	1.3	pg	J,R	U	25
HEISER-06282019	L2301798-1	EPA 1668C	PCB-129/138/163	11	pg	J,R	U	25
HEISER-06282019	L2301798-1	EPA 1668C	PCB-158	0.96	pg	J,R	U	25
HEISER-06282019	L2301798-1	EPA 1668C	PCB-180/193	4.4	pg	M,J,R	U	25
HEISER-06282019	L2301798-1	EPA 1668C	PCB-194	3.23	pg	J,B	U	7
CITY-06282019	L2301798-2	EPA 1668C	PCB-022	17.8	pg	J,B	U	7
CITY-06282019	L2301798-2	EPA 1668C	PCB-045/051	9.3	pg	J,R	U	25
CITY-06282019	L2301798-2	EPA 1668C	PCB-046	2.8	pg	J,R	U	25
CITY-06282019	L2301798-2	EPA 1668C	PCB-042	6	pg	J,R	U	25
CITY-06282019	L2301798-2	EPA 1668C	PCB-040/041/071	13	pg	M,J,R	U	25
CITY-06282019	L2301798-2	EPA 1668C	PCB-068	2.2	pg	J,R	U	25
CITY-06282019	L2301798-2	EPA 1668C	PCB-060	2.6	pg	J,R	U	25
CITY-06282019	L2301798-2	EPA 1668C	PCB-092	4.6	pg	J,R	U	25
CITY-06282019	L2301798-2	EPA 1668C	PCB-090/101/113	25.7	pg	J,B	U	7
CITY-06282019	L2301798-2	EPA 1668C	PCB-118	13.1	pg	J,B	U	7
CITY-06282019	L2301798-2	EPA 1668C	PCB-105	3.5	pg	J,R	U	25
CITY-06282019	L2301798-2	EPA 1668C	PCB-126	2.3	pg	J,R	U	25
CITY-06282019	L2301798-2	EPA 1668C	PCB-136	3.4	pg	M,J,R	U	25
CITY-06282019	L2301798-2	EPA 1668C	PCB-135/151	6.8	pg	M,J,R	U	25
CITY-06282019	L2301798-2	EPA 1668C	PCB-144	1.1	pg	J,R	U	25
CITY-06282019	L2301798-2	EPA 1668C	PCB-141	1.9	pg	J,R	U	25
CITY-06282019	L2301798-2	EPA 1668C	PCB-129/138/163	14	pg	J,R	U	25
CITY-06282019	L2301798-2	EPA 1668C	PCB-128/166	1.2	pg	J,R	U	25
CITY-06282019	L2301798-2	EPA 1668C	PCB-179	1.4	pg	J,R	U	25

**Qualified Data Summary Table**  
**Seattle Iron and Metals - Phase I Dust Monitoring**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB QUAL	DV QUAL	DV CODE
CITY-06282019	L2301798-2	EPA 1668C	PCB-187	4.2	pg	M,J,R	U	25
CITY-06282019	L2301798-2	EPA 1668C	PCB-174	1.6	pg	J,R	U	25
HEISER-25745103	L2308151-1	EPA 1668C	PCB-001	31	pg	M,J,R	U	25
HEISER-25745103	L2308151-1	EPA 1668C	PCB-002	17	pg	J,R	U	25
HEISER-25745103	L2308151-1	EPA 1668C	PCB-003	22	pg	J,R	U	25
HEISER-25745103	L2308151-1	EPA 1668C	PCB-009	8.1	pg	J,R	U	25
HEISER-25745103	L2308151-1	EPA 1668C	PCB-007	4.7	pg	J,R	U	25
HEISER-25745103	L2308151-1	EPA 1668C	PCB-006	20	pg	J,R	U	25
CITY-06282019	L2301798-2	EPA 1668C	PCB-180/193	5.2	pg	J,R	U	25
CITY-06282019	L2301798-2	EPA 1668C	PCB-202	0.58	pg	M,J,R	U	25
CITY-06282019	L2301798-2	EPA 1668C	PCB-203	0.73	pg	J,R	U	25
CITY-06282019	L2301798-2	EPA 1668C	PCB-194	2.46	pg	J,B	U	7
RESIDENTIAL-06282019	L2301798-3	EPA 1668C	PCB-001	23	pg	M,J,R	U	25
RESIDENTIAL-06282019	L2301798-3	EPA 1668C	PCB-002	5.8	pg	J,R	U	25
RESIDENTIAL-06282019	L2301798-3	EPA 1668C	PCB-003	14	pg	J,R	U	25
RESIDENTIAL-06282019	L2301798-3	EPA 1668C	PCB-009	7.8	pg	J,R	U	25
RESIDENTIAL-06282019	L2301798-3	EPA 1668C	PCB-006	22	pg	J,R	U	25
RESIDENTIAL-06282019	L2301798-3	EPA 1668C	PCB-027	5.9	pg	J,R	U	25
RESIDENTIAL-06282019	L2301798-3	EPA 1668C	PCB-032	18	pg	J,R	U	25
RESIDENTIAL-06282019	L2301798-3	EPA 1668C	PCB-022	20.8	pg	J,B	U	7
RESIDENTIAL-06282019	L2301798-3	EPA 1668C	PCB-050/053	7.5	pg	J,R	U	25
RESIDENTIAL-06282019	L2301798-3	EPA 1668C	PCB-046	3	pg	J,R	U	25
RESIDENTIAL-06282019	L2301798-3	EPA 1668C	PCB-059/062/075	2.9	pg	J,R	U	25
RESIDENTIAL-06282019	L2301798-3	EPA 1668C	PCB-042	8.9	pg	J,R	U	25
RESIDENTIAL-06282019	L2301798-3	EPA 1668C	PCB-040/041/071	12	pg	J,R	U	25
RESIDENTIAL-06282019	L2301798-3	EPA 1668C	PCB-068	1.6	pg	J,R	U	25
RESIDENTIAL-06282019	L2301798-3	EPA 1668C	PCB-056	5.6	pg	J,R	U	25
RESIDENTIAL-06282019	L2301798-3	EPA 1668C	PCB-060	1.7	pg	J,R	U	25
RESIDENTIAL-06282019	L2301798-3	EPA 1668C	PCB-088/091	3.1	pg	J,R	U	25
RESIDENTIAL-06282019	L2301798-3	EPA 1668C	PCB-090/101/113	20	pg	J,R	U	25
RESIDENTIAL-06282019	L2301798-3	EPA 1668C	PCB-083/099	11	pg	J,R	U	25

**Qualified Data Summary Table**  
**Seattle Iron and Metals - Phase I Dust Monitoring**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB QUAL	DV QUAL	DV CODE
RESIDENTIAL-06282019	L2301798-3	EPA 1668C	PCB-118	12.1	pg	J,B	U	7
RESIDENTIAL-06282019	L2301798-3	EPA 1668C	PCB-105	4.4	pg	J,R	U	25
RESIDENTIAL-06282019	L2301798-3	EPA 1668C	PCB-126	2.2	pg	M,J,R	U	25
RESIDENTIAL-06282019	L2301798-3	EPA 1668C	PCB-147/149	15	pg	J,B	U	7
RESIDENTIAL-06282019	L2301798-3	EPA 1668C	PCB-132	4.2	pg	J,R	U	25
RESIDENTIAL-06282019	L2301798-3	EPA 1668C	PCB-146	1.9	pg	J,R	U	25
RESIDENTIAL-06282019	L2301798-3	EPA 1668C	PCB-153/168	10	pg	J,R	U	25
RESIDENTIAL-06282019	L2301798-3	EPA 1668C	PCB-137/164	1.4	pg	M,J,R	U	25
RESIDENTIAL-06282019	L2301798-3	EPA 1668C	PCB-179	1.5	pg	J,R	U	25
RESIDENTIAL-06282019	L2301798-3	EPA 1668C	PCB-183	1.9	pg	J,R	U	25
RESIDENTIAL-06282019	L2301798-3	EPA 1668C	PCB-194	1.72	pg	M,J,B	U	7
HEISER-25745103	L2308151-1	EPA 1668C	PCB-012/013	6.6	pg	M,J,R	U	25
HEISER-25745103	L2308151-1	EPA 1668C	PCB-015	18	pg	J,R	U	25
HEISER-25745103	L2308151-1	EPA 1668C	PCB-032	16	pg	J,R	U	25
HEISER-25745103	L2308151-1	EPA 1668C	PCB-021/033	31	pg	J,R	U	25
HEISER-25745103	L2308151-1	EPA 1668C	PCB-022	19.7	pg	J,B	U	7
HEISER-25745103	L2308151-1	EPA 1668C	PCB-035	4.8	pg	M,J,R	U	25
HEISER-25745103	L2308151-1	EPA 1668C	PCB-050/053	7.3	pg	J,R	U	25
HEISER-25745103	L2308151-1	EPA 1668C	PCB-048	6.1	pg	J,R	U	25
HEISER-25745103	L2308151-1	EPA 1668C	PCB-059/062/075	4	pg	J,R	U	25
HEISER-25745103	L2308151-1	EPA 1668C	PCB-042	8	pg	J,R	U	25
HEISER-25745103	L2308151-1	EPA 1668C	PCB-056	10	pg	J,R	U	25
HEISER-25745103	L2308151-1	EPA 1668C	PCB-060	3.9	pg	J,R	U	25
HEISER-25745103	L2308151-1	EPA 1668C	PCB-077	2.8	pg	J,R	U	25
HEISER-25745103	L2308151-1	EPA 1668C	PCB-088/091	7.1	pg	J,R	U	25
HEISER-25745103	L2308151-1	EPA 1668C	PCB-084	11	pg	J,R	U	25
HEISER-25745103	L2308151-1	EPA 1668C	PCB-092	7.7	pg	J,R	U	25
HEISER-25745103	L2308151-1	EPA 1668C	PCB-082	4.2	pg	J,R	U	25
HEISER-25745103	L2308151-1	EPA 1668C	PCB-136	15	pg	J,R	U	25
HEISER-25745103	L2308151-1	EPA 1668C	PCB-144	5.7	pg	J,R	U	25
HEISER-25745103	L2308151-1	EPA 1668C	PCB-134/143	4.7	pg	J,R	U	25

**Qualified Data Summary Table**  
**Seattle Iron and Metals - Phase I Dust Monitoring**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB QUAL	DV QUAL	DV CODE
HEISER-25745103	L2308151-1	EPA 1668C	PCB-146	7.1	pg	J,R	U	25
HEISER-25745103	L2308151-1	EPA 1668C	PCB-129/138/163	38	pg	J,R	U	25
HEISER-25745103	L2308151-1	EPA 1668C	PCB-158	1.6	pg	J,R	U	25
HEISER-25745103	L2308151-1	EPA 1668C	PCB-179	17	pg	J,R	U	25
HEISER-25745103	L2308151-1	EPA 1668C	PCB-176	4.9	pg	J,R	U	25
HEISER-25745103	L2308151-1	EPA 1668C	PCB-178	3.7	pg	J,R	U	25
HEISER-25745103	L2308151-1	EPA 1668C	PCB-187	27	pg	J,R	U	25
HEISER-25745103	L2308151-1	EPA 1668C	PCB-185	2.8	pg	J,R	U	25
HEISER-25745103	L2308151-1	EPA 1668C	PCB-174	14	pg	J,R	U	25
HEISER-25745103	L2308151-1	EPA 1668C	PCB-177	7.3	pg	J,R	U	25
HEISER-25745103	L2308151-1	EPA 1668C	PCB-170	3.9	pg	J,R	U	25
HEISER-25745103	L2308151-1	EPA 1668C	PCB-202	3	pg	J,R	U	25
HEISER-25745103	L2308151-1	EPA 1668C	PCB-198/199	5.9	pg	J,R	U	25
HEISER-25745103	L2308151-1	EPA 1668C	PCB-196	1.2	pg	J,R	U	25
HEISER-25745103	L2308151-1	EPA 1668C	PCB-194	2.5	pg	J,R	U	25
RES-25745100	L2308151-2	EPA 1668C	PCB-002	3.8	pg	J,R	U	25
RES-25745100	L2308151-2	EPA 1668C	PCB-004	12	pg	J,R	U	25
RES-25745100	L2308151-2	EPA 1668C	PCB-006	5.3	pg	J,R	U	25
RES-25745100	L2308151-2	EPA 1668C	PCB-015	7.4	pg	J,R	U	25
RES-25745100	L2308151-2	EPA 1668C	PCB-019	5	pg	M,J,R	U	25
RES-25745100	L2308151-2	EPA 1668C	PCB-018/030	22	pg	J,B	U	7
RES-25745100	L2308151-2	EPA 1668C	PCB-017	11	pg	J,R	U	25
RES-25745100	L2308151-2	EPA 1668C	PCB-016	10	pg	J,R	U	25
RES-25745100	L2308151-2	EPA 1668C	PCB-026/029	5.4	pg	J,R	U	25
RES-25745100	L2308151-2	EPA 1668C	PCB-031	21	pg	J,R	U	25
RES-25745100	L2308151-2	EPA 1668C	PCB-022	11.6	pg	J,B	U	7
RES-25745100	L2308151-2	EPA 1668C	PCB-037	4.1	pg	M,J,R	U	25
RES-25745100	L2308151-2	EPA 1668C	PCB-045/051	5.5	pg	J,R	U	25
RES-25745100	L2308151-2	EPA 1668C	PCB-052	20	pg	J,R	U	25
RES-25745100	L2308151-2	EPA 1668C	PCB-049/069	11	pg	J,R	U	25
RES-25745100	L2308151-2	EPA 1668C	PCB-048	2.5	pg	J,R	U	25

**Qualified Data Summary Table**  
**Seattle Iron and Metals - Phase I Dust Monitoring**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB QUAL	DV QUAL	DV CODE
RES-25745100	L2308151-2	EPA 1668C	PCB-044/047/065	27	pg	J,R	U	25
RES-25745100	L2308151-2	EPA 1668C	PCB-064	6.7	pg	J,R	U	25
RES-25745100	L2308151-2	EPA 1668C	PCB-056	3.4	pg	J,R	U	25
RES-25745100	L2308151-2	EPA 1668C	PCB-095	11	pg	J,R	U	25
RES-25745100	L2308151-2	EPA 1668C	PCB-088/091	2	pg	J,R	U	25
RES-25745100	L2308151-2	EPA 1668C	PCB-084	3.9	pg	J,R	U	25
RES-25745100	L2308151-2	EPA 1668C	PCB-090/101/113	13.6	pg	J,B	U	7
RES-25745100	L2308151-2	EPA 1668C	PCB-083/099	6.3	pg	J,R	U	25
RES-25745100	L2308151-2	EPA 1668C	PCB-085/110/115/116/117	17	pg	M,J,R	U	25
RES-25745100	L2308151-2	EPA 1668C	PCB-118	11.4	pg	J,B	U	7
RES-25745100	L2308151-2	EPA 1668C	PCB-105	3.1	pg	J,R	U	25
RES-25745100	L2308151-2	EPA 1668C	PCB-136	1.7	pg	J,R	U	25
RES-25745100	L2308151-2	EPA 1668C	PCB-147/149	12	pg	J,R	U	25
RES-25745100	L2308151-2	EPA 1668C	PCB-132	3.6	pg	J,R	U	25
RES-25745100	L2308151-2	EPA 1668C	PCB-153/168	7.5	pg	J,R	U	25
RES-25745100	L2308151-2	EPA 1668C	PCB-158	1.5	pg	J,R	U	25
RES-25745100	L2308151-2	EPA 1668C	PCB-194	3.1	pg	J,R	U	25
CITY-25745101	L2308151-3	EPA 1668C	PCB-003	28	pg	J,R	U	25
CITY-25745101	L2308151-3	EPA 1668C	PCB-010	3.4	pg	J,R	U	25
CITY-25745101	L2308151-3	EPA 1668C	PCB-006	44	pg	J,R	U	25
CITY-25745101	L2308151-3	EPA 1668C	PCB-005	4	pg	M,J,R	U	25
CITY-25745101	L2308151-3	EPA 1668C	PCB-012/013	12	pg	M,J,R	U	25
CITY-25745101	L2308151-3	EPA 1668C	PCB-015	38	pg	J,R	U	25
CITY-25745101	L2308151-3	EPA 1668C	PCB-032	31	pg	J,R	U	25
CITY-25745101	L2308151-3	EPA 1668C	PCB-026/029	26	pg	J,R	U	25
CITY-25745101	L2308151-3	EPA 1668C	PCB-021/033	57	pg	J,R	U	25
CITY-25745101	L2308151-3	EPA 1668C	PCB-035	4.4	pg	J,R	U	25
CITY-25745101	L2308151-3	EPA 1668C	PCB-037	18	pg	J,R	U	25
CITY-25745101	L2308151-3	EPA 1668C	PCB-050/053	15	pg	J,R	U	25
CITY-25745101	L2308151-3	EPA 1668C	PCB-045/051	22	pg	J,R	U	25
CITY-25745101	L2308151-3	EPA 1668C	PCB-046	4.2	pg	J,R	U	25



**Qualified Data Summary Table**  
**Seattle Iron and Metals - Phase I Dust Monitoring**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB QUAL	DV QUAL	DV CODE
CITY-25745101	L2308151-3	EPA 1668C	PCB-043	3.3	pg	J,R	U	25
CITY-25745101	L2308151-3	EPA 1668C	PCB-048	11	pg	J,R	U	25
CITY-25745101	L2308151-3	EPA 1668C	PCB-068	2.6	pg	J,R	U	25
CITY-25745101	L2308151-3	EPA 1668C	PCB-056	9.9	pg	M,J,R	U	25
CITY-25745101	L2308151-3	EPA 1668C	PCB-060	5	pg	M,J,R	U	25
CITY-25745101	L2308151-3	EPA 1668C	PCB-077	4.5	pg	J,R	U	25
CITY-25745101	L2308151-3	EPA 1668C	PCB-092	12	pg	J,R	U	25
CITY-25745101	L2308151-3	EPA 1668C	PCB-086/087/097/109/119/125	47	pg	M,J,R	U	25
CITY-25745101	L2308151-3	EPA 1668C	PCB-082	7.7	pg	J,R	U	25
CITY-25745101	L2308151-3	EPA 1668C	PCB-108/124	2.5	pg	J,R	U	25
CITY-25745101	L2308151-3	EPA 1668C	PCB-107	4.3	pg	J,R	U	25
CITY-25745101	L2308151-3	EPA 1668C	PCB-105	11	pg	J,R	U	25
CITY-25745101	L2308151-3	EPA 1668C	PCB-126	1.8	pg	J,R	U	25
CITY-25745101	L2308151-3	EPA 1668C	PCB-136	11	pg	J,R	U	25
CITY-25745101	L2308151-3	EPA 1668C	PCB-135/151	21	pg	J,R	U	25
CITY-25745101	L2308151-3	EPA 1668C	PCB-132	20	pg	J,R	U	25
CITY-25745101	L2308151-3	EPA 1668C	PCB-153/168	16	pg	J,R	U	25
CITY-25745101	L2308151-3	EPA 1668C	PCB-141	8.2	pg	J,R	U	25
CITY-25745101	L2308151-3	EPA 1668C	PCB-130	3.6	pg	J,R	U	25
CITY-25745101	L2308151-3	EPA 1668C	PCB-137/164	3.6	pg	M,J,R	U	25
CITY-25745101	L2308151-3	EPA 1668C	PCB-158	4.6	pg	J,R	U	25
CITY-25745101	L2308151-3	EPA 1668C	PCB-156/157	2.6	pg	M,J,R	U	25
CITY-25745101	L2308151-3	EPA 1668C	PCB-179	5.1	pg	J,R	U	25
CITY-25745101	L2308151-3	EPA 1668C	PCB-187	7.1	pg	J,R	U	25
CITY-25745101	L2308151-3	EPA 1668C	PCB-183	3	pg	J,R	U	25
CITY-25745101	L2308151-3	EPA 1668C	PCB-174	6.6	pg	M,J,R	U	25
CITY-25745101	L2308151-3	EPA 1668C	PCB-177	3.8	pg	J,R	U	25
CITY-25745101	L2308151-3	EPA 1668C	PCB-180/193	13	pg	J,R	U	25
CITY-25745101	L2308151-3	EPA 1668C	PCB-200	2.5	pg	M,J,R	U	25
CITY-25745101	L2308151-3	EPA 1668C	PCB-194	7	pg	J,B	U	7
HEISER-25764410	L2310263-1	EPA 1668C	PCB-002	8.2	pg	J,R	U	25

**Qualified Data Summary Table**  
**Seattle Iron and Metals - Phase I Dust Monitoring**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB QUAL	DV QUAL	DV CODE
HEISER-20190801-0808	L2327284-1	EPA 1668C	PCB-009	13	pg	J,R	U	25
HEISER-20190801-0808	L2327284-1	EPA 1668C	PCB-007	18	pg	M,J,R	U	25
HEISER-20190801-0808	L2327284-1	EPA 1668C	PCB-011	236	pg	B	U	7
HEISER-20190801-0808	L2327284-1	EPA 1668C	PCB-027	6.4	pg	M,J,R	U	25
HEISER-20190801-0808	L2327284-1	EPA 1668C	PCB-025	5.3	pg	M,J,R	U	25
RESIDENTIAL-20190713-0719	L2316030-3	EPA 1668C	PCB-105	9.2	pg	J,R	U	25
RESIDENTIAL-20190713-0719	L2316030-3	EPA 1668C	PCB-144	2.4	pg	M,J,R	U	25
RESIDENTIAL-20190713-0719	L2316030-3	EPA 1668C	PCB-147/149	28	pg	J,R	U	25
RESIDENTIAL-20190713-0719	L2316030-3	EPA 1668C	PCB-146	5.5	pg	J,R	U	25
HEISER-25764410	L2310263-1	EPA 1668C	PCB-008	58	pg	R	U	25
HEISER-25764410	L2310263-1	EPA 1668C	PCB-011	120	pg	R	U	25
HEISER-25764410	L2310263-1	EPA 1668C	PCB-019	6.7	pg	J,R	U	25
HEISER-25764410	L2310263-1	EPA 1668C	PCB-016	18	pg	M,J,R	U	25
HEISER-25764410	L2310263-1	EPA 1668C	PCB-020/028	46.3	pg	J,B	U	7
HEISER-25764410	L2310263-1	EPA 1668C	PCB-022	20	pg	J,R	U	25
HEISER-25764410	L2310263-1	EPA 1668C	PCB-035	5.1	pg	J,R	U	25
HEISER-25764410	L2310263-1	EPA 1668C	PCB-037	7.8	pg	J,R	U	25
HEISER-25764410	L2310263-1	EPA 1668C	PCB-050/053	4.5	pg	J,R	U	25
HEISER-25764410	L2310263-1	EPA 1668C	PCB-045/051	8.7	pg	J,R	U	25
HEISER-25764410	L2310263-1	EPA 1668C	PCB-052	49	pg	J,R	U	25
HEISER-25764410	L2310263-1	EPA 1668C	PCB-049/069	17	pg	J,R	U	25
HEISER-25764410	L2310263-1	EPA 1668C	PCB-044/047/065	34	pg	J,R	U	25
HEISER-25764410	L2310263-1	EPA 1668C	PCB-064	12.3	pg	J,B	U	7
HEISER-25764410	L2310263-1	EPA 1668C	PCB-066	11	pg	J,R	U	25
HEISER-25764410	L2310263-1	EPA 1668C	PCB-056	5.1	pg	J,R	U	25
HEISER-25764410	L2310263-1	EPA 1668C	PCB-095	34	pg	J,R	U	25
HEISER-25764410	L2310263-1	EPA 1668C	PCB-084	6.3	pg	J,R	U	25
HEISER-25764410	L2310263-1	EPA 1668C	PCB-090/101/113	33	pg	J,R	U	25
HEISER-25764410	L2310263-1	EPA 1668C	PCB-083/099	8.9	pg	M,J,R	U	25
HEISER-25764410	L2310263-1	EPA 1668C	PCB-118	17	pg	J,R	U	25
HEISER-25764410	L2310263-1	EPA 1668C	PCB-136	7.9	pg	J,R	U	25

**Qualified Data Summary Table**  
**Seattle Iron and Metals - Phase I Dust Monitoring**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB QUAL	DV QUAL	DV CODE
HEISER-25764410	L2310263-1	EPA 1668C	PCB-135/151	16	pg	M,J,R	U	25
HEISER-25764410	L2310263-1	EPA 1668C	PCB-132	5.7	pg	J,R	U	25
HEISER-25764410	L2310263-1	EPA 1668C	PCB-129/138/163	21.3	pg	J	U	7
HEISER-25764410	L2310263-1	EPA 1668C	PCB-158	4	pg	J,R	U	25
HEISER-25764410	L2310263-1	EPA 1668C	PCB-183	4.3	pg	J,R	U	25
HEISER-25764410	L2310263-1	EPA 1668C	PCB-174	9.4	pg	J,R	U	25
HEISER-25764410	L2310263-1	EPA 1668C	PCB-201	4.2	pg	J,R	U	25
HEISER-25764410	L2310263-1	EPA 1668C	PCB-208	27	pg	J,R	U	25
HEISER-25764410	L2310263-1	EPA 1668C	PCB-207	30	pg	J,R	U	25
HEISER-25764410	L2310263-1	EPA 1668C	PCB-209	52.6	pg	B	U	7
CITY-45764407	L2310263-2	EPA 1668C	PCB-003	19	pg	M,J,R	U	25
CITY-45764407	L2310263-2	EPA 1668C	PCB-004	130	pg	R	U	25
CITY-45764407	L2310263-2	EPA 1668C	PCB-008	130	pg	R	U	25
CITY-45764407	L2310263-2	EPA 1668C	PCB-011	285	pg	B	U	7
CITY-45764407	L2310263-2	EPA 1668C	PCB-019	20	pg	M,J,R	U	25
CITY-45764407	L2310263-2	EPA 1668C	PCB-032	22	pg	J,R	U	25
CITY-45764407	L2310263-2	EPA 1668C	PCB-026/029	19	pg	J,R	U	25
CITY-45764407	L2310263-2	EPA 1668C	PCB-020/028	77.5	pg	B	U	7
CITY-45764407	L2310263-2	EPA 1668C	PCB-045/051	18	pg	J,R	U	25
CITY-45764407	L2310263-2	EPA 1668C	PCB-048	11	pg	J,R	U	25
CITY-45764407	L2310263-2	EPA 1668C	PCB-044/047/065	64	pg	R	U	25
CITY-45764407	L2310263-2	EPA 1668C	PCB-040/041/071	27	pg	J,R	U	25
CITY-45764407	L2310263-2	EPA 1668C	PCB-061/070/074/076	54	pg	R	U	25
CITY-45764407	L2310263-2	EPA 1668C	PCB-066	19	pg	J,R	U	25
CITY-45764407	L2310263-2	EPA 1668C	PCB-095	67	pg	R	U	25
CITY-45764407	L2310263-2	EPA 1668C	PCB-088/091	8.2	pg	J,R	U	25
CITY-45764407	L2310263-2	EPA 1668C	PCB-084	17	pg	J,R	U	25
CITY-45764407	L2310263-2	EPA 1668C	PCB-092	11	pg	J,R	U	25
CITY-45764407	L2310263-2	EPA 1668C	PCB-083/099	27	pg	J,R	U	25
CITY-45764407	L2310263-2	EPA 1668C	PCB-118	25	pg	J,R	U	25
CITY-45764407	L2310263-2	EPA 1668C	PCB-135/151	12	pg	J,R	U	25

**Qualified Data Summary Table**  
**Seattle Iron and Metals - Phase I Dust Monitoring**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB QUAL	DV QUAL	DV CODE
CITY-45764407	L2310263-2	EPA 1668C	PCB-147/149	27.1	pg	J	U	7
CITY-45764407	L2310263-2	EPA 1668C	PCB-132	8.7	pg	M,J,R	U	25
CITY-45764407	L2310263-2	EPA 1668C	PCB-153/168	19	pg	J,R	U	25
CITY-45764407	L2310263-2	EPA 1668C	PCB-207	44.4	pg	J,B	U	7
CITY-45764407	L2310263-2	EPA 1668C	PCB-209	40	pg	J,R	U	25
RES-25764409	L2310263-3	EPA 1668C	PCB-011	70.4	pg	M,B	U	7
RES-25764409	L2310263-3	EPA 1668C	PCB-031	34	pg	J,R	U	25
RES-25764409	L2310263-3	EPA 1668C	PCB-020/028	45	pg	J,R	U	25
RES-25764409	L2310263-3	EPA 1668C	PCB-021/033	30	pg	J,R	U	25
RES-25764409	L2310263-3	EPA 1668C	PCB-052	37.3	pg	J,B	U	7
RES-25764409	L2310263-3	EPA 1668C	PCB-049/069	15	pg	J,R	U	25
RES-25764409	L2310263-3	EPA 1668C	PCB-044/047/065	37.2	pg	J	U	7
RES-25764409	L2310263-3	EPA 1668C	PCB-064	11	pg	M,J,R	U	25
RES-25764409	L2310263-3	EPA 1668C	PCB-180/193	11	pg	J,R	U	25
RES-25764409	L2310263-3	EPA 1668C	PCB-207	39.5	pg	J,B	U	7
RES-25764409	L2310263-3	EPA 1668C	PCB-209	22.9	pg	J,B	U	7
HEISER-20190711-0719	L2316030-1	EPA 1668C	PCB-003	25	pg	J,R	U	25
HEISER-20190711-0719	L2316030-1	EPA 1668C	PCB-008	110	pg	M,R	U	25
HEISER-20190711-0719	L2316030-1	EPA 1668C	PCB-011	262	pg	B	U	7
HEISER-20190711-0719	L2316030-1	EPA 1668C	PCB-019	14	pg	M,J,R	U	25
HEISER-20190711-0719	L2316030-1	EPA 1668C	PCB-017	44	pg	J,R	U	25
HEISER-20190711-0719	L2316030-1	EPA 1668C	PCB-027	5.3	pg	J,R	U	25
HEISER-20190711-0719	L2316030-1	EPA 1668C	PCB-016	34	pg	J,R	U	25
HEISER-20190711-0719	L2316030-1	EPA 1668C	PCB-032	23	pg	J,R	U	25
HEISER-20190711-0719	L2316030-1	EPA 1668C	PCB-026/029	19	pg	J,R	U	25
HEISER-20190711-0719	L2316030-1	EPA 1668C	PCB-025	7.7	pg	J,R	U	25
HEISER-20190711-0719	L2316030-1	EPA 1668C	PCB-020/028	84.9	pg	B	U	7
HEISER-20190711-0719	L2316030-1	EPA 1668C	PCB-035	5.8	pg	J,R	U	25
HEISER-20190711-0719	L2316030-1	EPA 1668C	PCB-037	11	pg	M,J,R	U	25
HEISER-20190711-0719	L2316030-1	EPA 1668C	PCB-046	5.6	pg	J,R	U	25
HEISER-20190711-0719	L2316030-1	EPA 1668C	PCB-044/047/065	68.9	pg		U	7

**Qualified Data Summary Table**  
**Seattle Iron and Metals - Phase I Dust Monitoring**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB QUAL	DV QUAL	DV CODE
HEISER-20190711-0719	L2316030-1	EPA 1668C	PCB-042	8.1	pg	J,R	U	25
HEISER-20190711-0719	L2316030-1	EPA 1668C	PCB-056	9.4	pg	J,R	U	25
HEISER-20190711-0719	L2316030-1	EPA 1668C	PCB-060	6.8	pg	J,R	U	25
HEISER-20190711-0719	L2316030-1	EPA 1668C	PCB-084	13	pg	J,R	U	25
HEISER-20190711-0719	L2316030-1	EPA 1668C	PCB-092	13	pg	J,R	U	25
HEISER-20190711-0719	L2316030-1	EPA 1668C	PCB-086/087/097/109/119/125	34	pg	M,J,R	U	25
HEISER-20190711-0719	L2316030-1	EPA 1668C	PCB-105	9.3	pg	J,R	U	25
HEISER-20190711-0719	L2316030-1	EPA 1668C	PCB-135/151	47	pg	J,R	U	25
HEISER-20190711-0719	L2316030-1	EPA 1668C	PCB-144	4.1	pg	J,R	U	25
HEISER-20190711-0719	L2316030-1	EPA 1668C	PCB-134/143	3.1	pg	J,R	U	25
HEISER-20190711-0719	L2316030-1	EPA 1668C	PCB-132	18	pg	J,R	U	25
HEISER-20190711-0719	L2316030-1	EPA 1668C	PCB-141	15	pg	J,R	U	25
HEISER-20190711-0719	L2316030-1	EPA 1668C	PCB-158	2.7	pg	J,R	U	25
HEISER-20190711-0719	L2316030-1	EPA 1668C	PCB-128/166	4.3	pg	J,R	U	25
HEISER-20190711-0719	L2316030-1	EPA 1668C	PCB-176	3.9	pg	J,R	U	25
HEISER-20190711-0719	L2316030-1	EPA 1668C	PCB-183	13	pg	J,R	U	25
HEISER-20190711-0719	L2316030-1	EPA 1668C	PCB-170	5.5	pg	J,R	U	25
HEISER-20190711-0719	L2316030-1	EPA 1668C	PCB-202	4.7	pg	J,R	U	25
HEISER-20190711-0719	L2316030-1	EPA 1668C	PCB-198/199	5.6	pg	J,R	U	25
HEISER-20190711-0719	L2316030-1	EPA 1668C	PCB-194	2.6	pg	J,R	U	25
HEISER-20190711-0719	L2316030-1	EPA 1668C	PCB-207	16	pg	M,J,R	U	25
HEISER-20190711-0719	L2316030-1	EPA 1668C	PCB-209	15.9	pg	J,B	U	7
CITY-20190711-0719	L2316030-2	EPA 1668C	PCB-002	9.3	pg	M,J,R	U	25
CITY-20190711-0719	L2316030-2	EPA 1668C	PCB-015	37	pg	J,R	U	25
CITY-20190711-0719	L2316030-2	EPA 1668C	PCB-025	7.9	pg	J,R	U	25
CITY-20190711-0719	L2316030-2	EPA 1668C	PCB-037	19	pg	J,R	U	25
CITY-20190711-0719	L2316030-2	EPA 1668C	PCB-045/051	20	pg	J,R	U	25
CITY-20190711-0719	L2316030-2	EPA 1668C	PCB-059/062/075	3.2	pg	J,R	U	25
CITY-20190711-0719	L2316030-2	EPA 1668C	PCB-042	13	pg	J,R	U	25
CITY-20190711-0719	L2316030-2	EPA 1668C	PCB-060	6.6	pg	J,R	U	25
CITY-20190711-0719	L2316030-2	EPA 1668C	PCB-092	13	pg	J,R	U	25

**Qualified Data Summary Table**  
**Seattle Iron and Metals - Phase I Dust Monitoring**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB QUAL	DV QUAL	DV CODE
CITY-20190711-0719	L2316030-2	EPA 1668C	PCB-083/099	36	pg	J,R	U	25
CITY-20190711-0719	L2316030-2	EPA 1668C	PCB-144	2.5	pg	M,J,R	U	25
CITY-20190711-0719	L2316030-2	EPA 1668C	PCB-132	12	pg	J,R	U	25
CITY-20190711-0719	L2316030-2	EPA 1668C	PCB-141	6.1	pg	J,R	U	25
CITY-20190711-0719	L2316030-2	EPA 1668C	PCB-137/164	3.2	pg	M,J,R	U	25
CITY-20190711-0719	L2316030-2	EPA 1668C	PCB-158	3.3	pg	J,R	U	25
CITY-20190711-0719	L2316030-2	EPA 1668C	PCB-128/166	3.7	pg	M,J,R	U	25
CITY-20190711-0719	L2316030-2	EPA 1668C	PCB-183	2.3	pg	M,J,R	U	25
CITY-20190711-0719	L2316030-2	EPA 1668C	PCB-174	2.6	pg	M,J,R	U	25
CITY-20190711-0719	L2316030-2	EPA 1668C	PCB-180/193	7	pg	J,R	U	25
CITY-20190711-0719	L2316030-2	EPA 1668C	PCB-201	3.7	pg	J,R	U	25
CITY-20190711-0719	L2316030-2	EPA 1668C	PCB-207	28.5	pg	J,B	U	7
CITY-20190711-0719	L2316030-2	EPA 1668C	PCB-209	31.8	pg	J,B	U	7
RESIDENTIAL-20190713-0719	L2316030-3	EPA 1668C	PCB-006	30	pg	J,R	U	25
RESIDENTIAL-20190713-0719	L2316030-3	EPA 1668C	PCB-011	262	pg	B	U	7
RESIDENTIAL-20190713-0719	L2316030-3	EPA 1668C	PCB-012/013	11	pg	M,J,R	U	25
RESIDENTIAL-20190713-0719	L2316030-3	EPA 1668C	PCB-017	44	pg	J,R	U	25
RESIDENTIAL-20190713-0719	L2316030-3	EPA 1668C	PCB-027	7.4	pg	J,R	U	25
RESIDENTIAL-20190713-0719	L2316030-3	EPA 1668C	PCB-016	48	pg	M,J,R	U	25
RESIDENTIAL-20190713-0719	L2316030-3	EPA 1668C	PCB-032	29	pg	J,R	U	25
RESIDENTIAL-20190713-0719	L2316030-3	EPA 1668C	PCB-035	5.1	pg	J,R	U	25
RESIDENTIAL-20190713-0719	L2316030-3	EPA 1668C	PCB-037	18	pg	J,R	U	25
RESIDENTIAL-20190713-0719	L2316030-3	EPA 1668C	PCB-045/051	16	pg	J,R	U	25
RESIDENTIAL-20190713-0719	L2316030-3	EPA 1668C	PCB-046	3.8	pg	J,R	U	25
RESIDENTIAL-20190713-0719	L2316030-3	EPA 1668C	PCB-048	19	pg	J,R	U	25
RESIDENTIAL-20190713-0719	L2316030-3	EPA 1668C	PCB-059/062/075	6.2	pg	J,R	U	25
RESIDENTIAL-20190713-0719	L2316030-3	EPA 1668C	PCB-077	4	pg	M,J,R	U	25
RESIDENTIAL-20190713-0719	L2316030-3	EPA 1668C	PCB-088/091	9.5	pg	J,R	U	25
RESIDENTIAL-20190713-0719	L2316030-3	EPA 1668C	PCB-084	16	pg	M,J,R	U	25
RESIDENTIAL-20190713-0719	L2316030-3	EPA 1668C	PCB-187	8.8	pg	J,R	U	25
RESIDENTIAL-20190713-0719	L2316030-3	EPA 1668C	PCB-174	3.9	pg	M,J,R	U	25

**Qualified Data Summary Table**  
**Seattle Iron and Metals - Phase I Dust Monitoring**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB QUAL	DV QUAL	DV CODE
RESIDENTIAL-20190713-0719	L2316030-3	EPA 1668C	PCB-177	5.3	pg	M,J,R	U	25
RESIDENTIAL-20190713-0719	L2316030-3	EPA 1668C	PCB-180/193	5	pg	J,R	U	25
RESIDENTIAL-20190713-0719	L2316030-3	EPA 1668C	PCB-202	4.2	pg	J,R	U	25
RESIDENTIAL-20190713-0719	L2316030-3	EPA 1668C	PCB-198/199	4.1	pg	J,R	U	25
RESIDENTIAL-20190713-0719	L2316030-3	EPA 1668C	PCB-207	18	pg	J,R	U	25
RESIDENTIAL-20190713-0719	L2316030-3	EPA 1668C	PCB-209	29	pg	J,R	U	25
HEISER-20190719-0725	L2320141-1	EPA 1668C	PCB-002	8.5	pg	M,J,R	U	25
HEISER-20190719-0725	L2320141-1	EPA 1668C	PCB-003	19	pg	J,R	U	25
HEISER-20190719-0725	L2320141-1	EPA 1668C	PCB-011	229	pg	B	U	7
HEISER-20190719-0725	L2320141-1	EPA 1668C	PCB-015	20	pg	J,R	U	25
HEISER-20190719-0725	L2320141-1	EPA 1668C	PCB-019	24	pg	J,R	U	25
HEISER-20190719-0725	L2320141-1	EPA 1668C	PCB-032	28	pg	J,R	U	25
HEISER-20190719-0725	L2320141-1	EPA 1668C	PCB-026/029	21	pg	J,R	U	25
HEISER-20190719-0725	L2320141-1	EPA 1668C	PCB-025	7.8	pg	J,R	U	25
HEISER-20190719-0725	L2320141-1	EPA 1668C	PCB-021/033	50	pg	J,R	U	25
HEISER-20190719-0725	L2320141-1	EPA 1668C	PCB-049/069	33	pg	J,R	U	25
HEISER-20190719-0725	L2320141-1	EPA 1668C	PCB-044/047/065	75.2	pg		U	7
HEISER-20190719-0725	L2320141-1	EPA 1668C	PCB-059/062/075	5.8	pg	J,R	U	25
HEISER-20190719-0725	L2320141-1	EPA 1668C	PCB-095	71	pg	R	U	25
HEISER-20190719-0725	L2320141-1	EPA 1668C	PCB-088/091	7.4	pg	M,J,R	U	25
HEISER-20190719-0725	L2320141-1	EPA 1668C	PCB-084	17	pg	J,R	U	25
HEISER-20190719-0725	L2320141-1	EPA 1668C	PCB-092	11	pg	J,R	U	25
HEISER-20190719-0725	L2320141-1	EPA 1668C	PCB-083/099	28	pg	J,R	U	25
HEISER-20190719-0725	L2320141-1	EPA 1668C	PCB-118	26	pg	J,R	U	25
HEISER-20190719-0725	L2320141-1	EPA 1668C	PCB-135/151	24	pg	M,J,R	U	25
HEISER-20190719-0725	L2320141-1	EPA 1668C	PCB-144	2.9	pg	M,J,R	U	25
HEISER-20190719-0725	L2320141-1	EPA 1668C	PCB-132	15	pg	J,R	U	25
HEISER-20190719-0725	L2320141-1	EPA 1668C	PCB-141	9.1	pg	J,R	U	25
HEISER-20190719-0725	L2320141-1	EPA 1668C	PCB-158	3.1	pg	J,R	U	25
HEISER-20190719-0725	L2320141-1	EPA 1668C	PCB-128/166	5	pg	J,R	U	25
HEISER-20190719-0725	L2320141-1	EPA 1668C	PCB-156/157	3.3	pg	J,R	U	25

**Qualified Data Summary Table**  
**Seattle Iron and Metals - Phase I Dust Monitoring**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB QUAL	DV QUAL	DV CODE
HEISER-20190719-0725	L2320141-1	EPA 1668C	PCB-179	12	pg	J,R	U	25
HEISER-20190719-0725	L2320141-1	EPA 1668C	PCB-176	3.3	pg	J,R	U	25
HEISER-20190719-0725	L2320141-1	EPA 1668C	PCB-174	7.9	pg	M,J,R	U	25
HEISER-20190719-0725	L2320141-1	EPA 1668C	PCB-177	5.3	pg	J,R	U	25
HEISER-20190719-0725	L2320141-1	EPA 1668C	PCB-180/193	11	pg	J,R	U	25
HEISER-20190719-0725	L2320141-1	EPA 1668C	PCB-201	3	pg	M,J,R	U	25
HEISER-20190719-0725	L2320141-1	EPA 1668C	PCB-207	31.7	pg	M,J,B	U	7
HEISER-20190719-0725	L2320141-1	EPA 1668C	PCB-209	43	pg	J,R	U	25
CITY-20190719-0725	L2320141-2	EPA 1668C	PCB-004	140	pg	R	U	25
CITY-20190719-0725	L2320141-2	EPA 1668C	PCB-009	14	pg	J,R	U	25
CITY-20190719-0725	L2320141-2	EPA 1668C	PCB-011	301	pg	B	U	7
CITY-20190719-0725	L2320141-2	EPA 1668C	PCB-016	64	pg	M,R	U	25
CITY-20190719-0725	L2320141-2	EPA 1668C	PCB-026/029	29	pg	J,R	U	25
RESIDENTIAL-20190719-0725	L2320141-3	EPA 1668C	PCB-082	7	pg	J,R	U	25
RESIDENTIAL-20190719-0725	L2320141-3	EPA 1668C	PCB-126	4.9	pg	J,R	U	25
RESIDENTIAL-20190719-0725	L2320141-3	EPA 1668C	PCB-136	11	pg	J,R	U	25
RESIDENTIAL-20190719-0725	L2320141-3	EPA 1668C	PCB-135/151	21	pg	M,J,R	U	25
RESIDENTIAL-20190719-0725	L2320141-3	EPA 1668C	PCB-144	3	pg	J,R	U	25
CITY-20190719-0725	L2320141-2	EPA 1668C	PCB-025	9.4	pg	J,R	U	25
CITY-20190719-0725	L2320141-2	EPA 1668C	PCB-022	44	pg	J,R	U	25
CITY-20190719-0725	L2320141-2	EPA 1668C	PCB-046	6	pg	J,R	U	25
CITY-20190719-0725	L2320141-2	EPA 1668C	PCB-059/062/075	5	pg	J,R	U	25
CITY-20190719-0725	L2320141-2	EPA 1668C	PCB-042	21	pg	J,R	U	25
CITY-20190719-0725	L2320141-2	EPA 1668C	PCB-056	14	pg	J,R	U	25
CITY-20190719-0725	L2320141-2	EPA 1668C	PCB-060	7.5	pg	J,R	U	25
CITY-20190719-0725	L2320141-2	EPA 1668C	PCB-088/091	14	pg	J,R	U	25
CITY-20190719-0725	L2320141-2	EPA 1668C	PCB-084	32	pg	J,R	U	25
CITY-20190719-0725	L2320141-2	EPA 1668C	PCB-083/099	34	pg	J,R	U	25
CITY-20190719-0725	L2320141-2	EPA 1668C	PCB-086/087/097/109/119/125	50	pg	M,J,R	U	25
CITY-20190719-0725	L2320141-2	EPA 1668C	PCB-085/110/115/116/117	100	pg	M,R	U	25
CITY-20190719-0725	L2320141-2	EPA 1668C	PCB-144	2.4	pg	M,J,R	U	25



**Qualified Data Summary Table**  
**Seattle Iron and Metals - Phase I Dust Monitoring**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB QUAL	DV QUAL	DV CODE
CITY-20190719-0725	L2320141-2	EPA 1668C	PCB-146	5	pg	J,R	U	25
CITY-20190719-0725	L2320141-2	EPA 1668C	PCB-128/166	3.4	pg	J,R	U	25
CITY-20190719-0725	L2320141-2	EPA 1668C	PCB-183	4.5	pg	M,J,R	U	25
CITY-20190719-0725	L2320141-2	EPA 1668C	PCB-174	3.9	pg	M,J,R	U	25
CITY-20190719-0725	L2320141-2	EPA 1668C	PCB-177	4	pg	J,R	U	25
CITY-20190719-0725	L2320141-2	EPA 1668C	PCB-200	2.2	pg	J,R	U	25
CITY-20190719-0725	L2320141-2	EPA 1668C	PCB-203	3.9	pg	J,R	U	25
CITY-20190719-0725	L2320141-2	EPA 1668C	PCB-207	25.2	pg	J,B	U	7
CITY-20190719-0725	L2320141-2	EPA 1668C	PCB-209	40	pg	J,R	U	25
RESIDENTIAL-20190719-0725	L2320141-3	EPA 1668C	PCB-009	34	pg	J,R	U	25
RESIDENTIAL-20190719-0725	L2320141-3	EPA 1668C	PCB-027	22	pg	J,R	U	25
RESIDENTIAL-20190719-0725	L2320141-3	EPA 1668C	PCB-016	120	pg	M,R	U	25
RESIDENTIAL-20190719-0725	L2320141-3	EPA 1668C	PCB-032	81	pg	R	U	25
RESIDENTIAL-20190719-0725	L2320141-3	EPA 1668C	PCB-035	7.3	pg	J,R	U	25
RESIDENTIAL-20190719-0725	L2320141-3	EPA 1668C	PCB-037	32	pg	J,R	U	25
RESIDENTIAL-20190719-0725	L2320141-3	EPA 1668C	PCB-046	15	pg	J,R	U	25
RESIDENTIAL-20190719-0725	L2320141-3	EPA 1668C	PCB-059/062/075	8.6	pg	J,R	U	25
RESIDENTIAL-20190719-0725	L2320141-3	EPA 1668C	PCB-056	22	pg	J,R	U	25
RESIDENTIAL-20190719-0725	L2320141-3	EPA 1668C	PCB-060	12	pg	J,R	U	25
RESIDENTIAL-20190719-0725	L2320141-3	EPA 1668C	PCB-141	9.2	pg	J,R	U	25
RESIDENTIAL-20190719-0725	L2320141-3	EPA 1668C	PCB-128/166	3.8	pg	J,R	U	25
RESIDENTIAL-20190719-0725	L2320141-3	EPA 1668C	PCB-179	7.5	pg	J,R	U	25
RESIDENTIAL-20190719-0725	L2320141-3	EPA 1668C	PCB-183	5.7	pg	J,R	U	25
RESIDENTIAL-20190719-0725	L2320141-3	EPA 1668C	PCB-177	3.5	pg	M,J,R	U	25
RESIDENTIAL-20190719-0725	L2320141-3	EPA 1668C	PCB-202	4.5	pg	M,J,R	U	25
RESIDENTIAL-20190719-0725	L2320141-3	EPA 1668C	PCB-201	4.8	pg	J,R	U	25
RESIDENTIAL-20190719-0725	L2320141-3	EPA 1668C	PCB-200	2.7	pg	J,R	U	25
RESIDENTIAL-20190719-0725	L2320141-3	EPA 1668C	PCB-198/199	5.8	pg	J,R	U	25
RESIDENTIAL-20190719-0725	L2320141-3	EPA 1668C	PCB-208	26	pg	J,R	U	25
RESIDENTIAL-20190719-0725	L2320141-3	EPA 1668C	PCB-207	24	pg	J,R	U	25
RESIDENTIAL-20190719-0725	L2320141-3	EPA 1668C	PCB-209	34.9	pg	J,B	U	7

**Qualified Data Summary Table**  
**Seattle Iron and Metals - Phase I Dust Monitoring**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB QUAL	DV QUAL	DV CODE
HEISER-20190725-0801	L2322808-1	EPA 1668C	PCB-092	13	pg	M,J,R	U	25
HEISER-20190725-0801	L2322808-1	EPA 1668C	PCB-083/099	28	pg	J,R	U	25
HEISER-20190725-0801	L2322808-1	EPA 1668C	PCB-086/087/097/109/119/125	36	pg	M,J,R	U	25
HEISER-20190725-0801	L2322808-1	EPA 1668C	PCB-118	31	pg	J,R	U	25
HEISER-20190725-0801	L2322808-1	EPA 1668C	PCB-004	92	pg	R	U	25
HEISER-20190725-0801	L2322808-1	EPA 1668C	PCB-011	229	pg	B	U	7
HEISER-20190725-0801	L2322808-1	EPA 1668C	PCB-018/030	95	pg	R	U	25
HEISER-20190725-0801	L2322808-1	EPA 1668C	PCB-016	33	pg	J,R	U	25
HEISER-20190725-0801	L2322808-1	EPA 1668C	PCB-026/029	21	pg	J,R	U	25
HEISER-20190725-0801	L2322808-1	EPA 1668C	PCB-020/028	87.7	pg	B	U	7
HEISER-20190725-0801	L2322808-1	EPA 1668C	PCB-035	5.4	pg	M,J,R	U	25
HEISER-20190725-0801	L2322808-1	EPA 1668C	PCB-044/047/065	74.7	pg		U	7
HEISER-20190725-0801	L2322808-1	EPA 1668C	PCB-059/062/075	3.6	pg	J,R	U	25
HEISER-20190725-0801	L2322808-1	EPA 1668C	PCB-040/041/071	26	pg	M,J,R	U	25
HEISER-20190725-0801	L2322808-1	EPA 1668C	PCB-136	11	pg	J,R	U	25
HEISER-20190725-0801	L2322808-1	EPA 1668C	PCB-146	6.5	pg	J,R	U	25
HEISER-20190725-0801	L2322808-1	EPA 1668C	PCB-128/166	4.9	pg	J,R	U	25
HEISER-20190725-0801	L2322808-1	EPA 1668C	PCB-179	18	pg	J,R	U	25
HEISER-20190725-0801	L2322808-1	EPA 1668C	PCB-178	6.2	pg	J,R	U	25
HEISER-20190725-0801	L2322808-1	EPA 1668C	PCB-187	25	pg	J,R	U	25
HEISER-20190725-0801	L2322808-1	EPA 1668C	PCB-183	8.1	pg	M,J,R	U	25
HEISER-20190725-0801	L2322808-1	EPA 1668C	PCB-174	11	pg	M,J,R	U	25
HEISER-20190725-0801	L2322808-1	EPA 1668C	PCB-202	3.6	pg	J,R	U	25
HEISER-20190725-0801	L2322808-1	EPA 1668C	PCB-201	4	pg	J,R	U	25
HEISER-20190725-0801	L2322808-1	EPA 1668C	PCB-200	4	pg	M,J,R	U	25
HEISER-20190725-0801	L2322808-1	EPA 1668C	PCB-198/199	4.8	pg	J,R	U	25
HEISER-20190725-0801	L2322808-1	EPA 1668C	PCB-208	23	pg	J,R	U	25
HEISER-20190725-0801	L2322808-1	EPA 1668C	PCB-207	24.3	pg	J,B	U	7
HEISER-20190725-0801	L2322808-1	EPA 1668C	PCB-209	35.4	pg	J,B	U	7
RESIDENTIAL-20190725-0801	L2322808-3	EPA 1668C	PCB-002	15	pg	J,R	U	25
RESIDENTIAL-20190725-0801	L2322808-3	EPA 1668C	PCB-003	33	pg	J,R	U	25

**Qualified Data Summary Table**  
**Seattle Iron and Metals - Phase I Dust Monitoring**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB QUAL	DV QUAL	DV CODE
RESIDENTIAL-20190725-0801	L2322808-3	EPA 1668C	PCB-009	26	pg	J,R	U	25
RESIDENTIAL-20190725-0801	L2322808-3	EPA 1668C	PCB-026/029	51	pg	R	U	25
RESIDENTIAL-20190725-0801	L2322808-3	EPA 1668C	PCB-022	67	pg	R	U	25
RESIDENTIAL-20190725-0801	L2322808-3	EPA 1668C	PCB-037	42	pg	J,R	U	25
RESIDENTIAL-20190725-0801	L2322808-3	EPA 1668C	PCB-050/053	28	pg	J,R	U	25
RESIDENTIAL-20190725-0801	L2322808-3	EPA 1668C	PCB-046	11	pg	J,R	U	25
RESIDENTIAL-20190725-0801	L2322808-3	EPA 1668C	PCB-048	29	pg	J,R	U	25
RESIDENTIAL-20190725-0801	L2322808-3	EPA 1668C	PCB-044/047/065	160	pg	R	U	25
RESIDENTIAL-20190725-0801	L2322808-3	EPA 1668C	PCB-042	32	pg	J,R	U	25
RESIDENTIAL-20190725-0801	L2322808-3	EPA 1668C	PCB-066	48	pg	J,R	U	25
RESIDENTIAL-20190725-0801	L2322808-3	EPA 1668C	PCB-056	23	pg	J,R	U	25
RESIDENTIAL-20190725-0801	L2322808-3	EPA 1668C	PCB-088/091	15	pg	J,R	U	25
RESIDENTIAL-20190725-0801	L2322808-3	EPA 1668C	PCB-105	19	pg	J,R	U	25
RESIDENTIAL-20190725-0801	L2322808-3	EPA 1668C	PCB-136	12	pg	J,R	U	25
RESIDENTIAL-20190725-0801	L2322808-3	EPA 1668C	PCB-147/149	48	pg	J,R	U	25
RESIDENTIAL-20190725-0801	L2322808-3	EPA 1668C	PCB-141	6.7	pg	J,R	U	25
RESIDENTIAL-20190725-0801	L2322808-3	EPA 1668C	PCB-137/164	6.5	pg	M,J,R	U	25
RESIDENTIAL-20190725-0801	L2322808-3	EPA 1668C	PCB-128/166	4.6	pg	M,J,R	U	25
RESIDENTIAL-20190725-0801	L2322808-3	EPA 1668C	PCB-179	8.2	pg	M,J,R	U	25
RESIDENTIAL-20190725-0801	L2322808-3	EPA 1668C	PCB-183	5.1	pg	M,J,R	U	25
RESIDENTIAL-20190725-0801	L2322808-3	EPA 1668C	PCB-174	5.9	pg	M,J,R	U	25
RESIDENTIAL-20190725-0801	L2322808-3	EPA 1668C	PCB-177	5	pg	J,R	U	25
RESIDENTIAL-20190725-0801	L2322808-3	EPA 1668C	PCB-180/193	18	pg	J,R	U	25
RESIDENTIAL-20190725-0801	L2322808-3	EPA 1668C	PCB-200	3.9	pg	J,R	U	25
RESIDENTIAL-20190725-0801	L2322808-3	EPA 1668C	PCB-198/199	11	pg	J,R	U	25
RESIDENTIAL-20190725-0801	L2322808-3	EPA 1668C	PCB-208	25	pg	J,R	U	25
RESIDENTIAL-20190725-0801	L2322808-3	EPA 1668C	PCB-207	37.4	pg	J,B	U	7
RESIDENTIAL-20190725-0801	L2322808-3	EPA 1668C	PCB-209	50	pg	J,R	U	25
HEISER-20190801-0808	L2327284-1	EPA 1668C	PCB-004	82	pg	J,R	U	25
CITY-20190725-0801	L2327284-4	EPA 1668C	PCB-190	1.6	pg	M,J,R	U	25
CITY-20190725-0801	L2327284-4	EPA 1668C	PCB-201	3.3	pg	M,J,R	U	25

**Qualified Data Summary Table**  
**Seattle Iron and Metals - Phase I Dust Monitoring**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB QUAL	DV QUAL	DV CODE
CITY-20190725-0801	L2327284-4	EPA 1668C	PCB-198/199	9.6	pg	J,R	U	25
CITY-20190725-0801	L2327284-4	EPA 1668C	PCB-195	1.7	pg	M,J,R	U	25
CITY-20190725-0801	L2327284-4	EPA 1668C	PCB-194	4.6	pg	J,R	U	25
HEISER-20190801-0808	L2327284-1	EPA 1668C	PCB-035	3.4	pg	M,J,R	U	25
HEISER-20190801-0808	L2327284-1	EPA 1668C	PCB-037	13	pg	J,R	U	25
HEISER-20190801-0808	L2327284-1	EPA 1668C	PCB-046	4.7	pg	J,R	U	25
HEISER-20190801-0808	L2327284-1	EPA 1668C	PCB-043	3	pg	M,J,R	U	25
HEISER-20190801-0808	L2327284-1	EPA 1668C	PCB-049/069	44	pg	J,R	U	25
HEISER-20190801-0808	L2327284-1	EPA 1668C	PCB-064	30	pg	J,R	U	25
HEISER-20190801-0808	L2327284-1	EPA 1668C	PCB-066	31.9	pg	J,B	U	7
HEISER-20190801-0808	L2327284-1	EPA 1668C	PCB-056	13	pg	M,J,R	U	25
HEISER-20190801-0808	L2327284-1	EPA 1668C	PCB-060	8.4	pg	M,J,R	U	25
HEISER-20190801-0808	L2327284-1	EPA 1668C	PCB-096	1.9	pg	M,J,R	U	25
HEISER-20190801-0808	L2327284-1	EPA 1668C	PCB-086/087/097/109/119/125	48	pg	M,J,R	U	25
HEISER-20190801-0808	L2327284-1	EPA 1668C	PCB-105	9.5	pg	J,R	U	25
HEISER-20190801-0808	L2327284-1	EPA 1668C	PCB-126	5.4	pg	M,J,R	U	25
HEISER-20190801-0808	L2327284-1	EPA 1668C	PCB-134/143	3	pg	J,R	U	25
HEISER-20190801-0808	L2327284-1	EPA 1668C	PCB-139/140	1.7	pg	M,J,R	U	25
HEISER-20190801-0808	L2327284-1	EPA 1668C	PCB-146	9.1	pg	M,J,R	U	25
HEISER-20190801-0808	L2327284-1	EPA 1668C	PCB-141	14	pg	M,J,R	U	25
HEISER-20190801-0808	L2327284-1	EPA 1668C	PCB-167	1.3	pg	J,R	U	25
HEISER-20190801-0808	L2327284-1	EPA 1668C	PCB-156/157	3	pg	J,R	U	25
HEISER-20190801-0808	L2327284-1	EPA 1668C	PCB-183	13	pg	J,R	U	25
HEISER-20190801-0808	L2327284-1	EPA 1668C	PCB-185	2.8	pg	J,R	U	25
HEISER-20190801-0808	L2327284-1	EPA 1668C	PCB-171/173	2.7	pg	J,R	U	25
HEISER-20190801-0808	L2327284-1	EPA 1668C	PCB-172	1.6	pg	M,J,R	U	25
HEISER-20190801-0808	L2327284-1	EPA 1668C	PCB-201	2	pg	M,J,R	U	25
HEISER-20190801-0808	L2327284-1	EPA 1668C	PCB-200	1.6	pg	M,J,R	U	25
HEISER-20190801-0808	L2327284-1	EPA 1668C	PCB-196	2.7	pg	M,J,R	U	25
HEISER-20190801-0808	L2327284-1	EPA 1668C	PCB-194	3.3	pg	M,J,R	U	25
CITY-20190801-0808	L2327284-2	EPA 1668C	PCB-009	22	pg	J,R	U	25

**Qualified Data Summary Table**  
**Seattle Iron and Metals - Phase I Dust Monitoring**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB QUAL	DV QUAL	DV CODE
CITY-20190801-0808	L2327284-2	EPA 1668C	PCB-007	12	pg	J,R	U	25
CITY-20190801-0808	L2327284-2	EPA 1668C	PCB-011	324	pg	M,B	U	7
CITY-20190801-0808	L2327284-2	EPA 1668C	PCB-043	5.6	pg	M,J,R	U	25
CITY-20190801-0808	L2327284-2	EPA 1668C	PCB-056	16.3	pg	M,J,B	U	7
CITY-20190801-0808	L2327284-2	EPA 1668C	PCB-060	8.7	pg	M,J,R	U	25
CITY-20190801-0808	L2327284-2	EPA 1668C	PCB-077	5.3	pg	M,J,R	U	25
CITY-20190801-0808	L2327284-2	EPA 1668C	PCB-082	9.2	pg	J,R	U	25
CITY-20190801-0808	L2327284-2	EPA 1668C	PCB-107	3.5	pg	M,J,R	U	25
CITY-20190801-0808	L2327284-2	EPA 1668C	PCB-126	4.8	pg	M,J,R	U	25
CITY-20190801-0808	L2327284-2	EPA 1668C	PCB-139/140	1.3	pg	J,R	U	25
CITY-20190801-0808	L2327284-2	EPA 1668C	PCB-132	17	pg	J,R	U	25
CITY-20190801-0808	L2327284-2	EPA 1668C	PCB-146	6.7	pg	J,R	U	25
CITY-20190801-0808	L2327284-2	EPA 1668C	PCB-141	9.1	pg	J,R	U	25
CITY-20190801-0808	L2327284-2	EPA 1668C	PCB-130	1.7	pg	J,R	U	25
CITY-20190801-0808	L2327284-2	EPA 1668C	PCB-158	4.8	pg	J,R	U	25
CITY-20190801-0808	L2327284-2	EPA 1668C	PCB-128/166	5.5	pg	J,R	U	25
CITY-20190801-0808	L2327284-2	EPA 1668C	PCB-167	1.3	pg	M,J,R	U	25
CITY-20190801-0808	L2327284-2	EPA 1668C	PCB-156/157	3.3	pg	M,J,R	U	25
CITY-20190801-0808	L2327284-2	EPA 1668C	PCB-179	5.9	pg	J,R	U	25
CITY-20190801-0808	L2327284-2	EPA 1668C	PCB-176	1.1	pg	M,J,R	U	25
CITY-20190801-0808	L2327284-2	EPA 1668C	PCB-178	1.5	pg	J,R	U	25
CITY-20190801-0808	L2327284-2	EPA 1668C	PCB-183	4.4	pg	M,J,R	U	25
CITY-20190801-0808	L2327284-2	EPA 1668C	PCB-174	5.6	pg	M,J,R	U	25
CITY-20190801-0808	L2327284-2	EPA 1668C	PCB-172	1.2	pg	J,R	U	25
CITY-20190801-0808	L2327284-2	EPA 1668C	PCB-170	3.1	pg	M,J,R	U	25
CITY-20190801-0808	L2327284-2	EPA 1668C	PCB-201	1.6	pg	M,J,R	U	25
CITY-20190801-0808	L2327284-2	EPA 1668C	PCB-196	1.4	pg	M,J,R	U	25
CITY-20190801-0808	L2327284-2	EPA 1668C	PCB-194	2.5	pg	J,R	U	25
RESIDENTIAL-20190801-0808	L2327284-3	EPA 1668C	PCB-011	401	pg	M,B	U	7
RESIDENTIAL-20190801-0808	L2327284-3	EPA 1668C	PCB-043	12	pg	M,J,R	U	25
RESIDENTIAL-20190801-0808	L2327284-3	EPA 1668C	PCB-058	5.4	pg	J,R	U	25

**Qualified Data Summary Table**  
**Seattle Iron and Metals - Phase I Dust Monitoring**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB QUAL	DV QUAL	DV CODE
RESIDENTIAL-20190801-0808	L2327284-3	EPA 1668C	PCB-067	3.6	pg	J,R	U	25
RESIDENTIAL-20190801-0808	L2327284-3	EPA 1668C	PCB-063	3.7	pg	J,R	U	25
RESIDENTIAL-20190801-0808	L2327284-3	EPA 1668C	PCB-060	19	pg	M,J,R	U	25
RESIDENTIAL-20190801-0808	L2327284-3	EPA 1668C	PCB-077	6.3	pg	M,J,R	U	25
RESIDENTIAL-20190801-0808	L2327284-3	EPA 1668C	PCB-093/098/100/102	6.3	pg	M,J,R	U	25
RESIDENTIAL-20190801-0808	L2327284-3	EPA 1668C	PCB-088/091	21	pg	M,J,R	U	25
RESIDENTIAL-20190801-0808	L2327284-3	EPA 1668C	PCB-082	12	pg	J,R	U	25
RESIDENTIAL-20190801-0808	L2327284-3	EPA 1668C	PCB-126	5.2	pg	M,J,R	U	25
RESIDENTIAL-20190801-0808	L2327284-3	EPA 1668C	PCB-144	5.8	pg	M,J,R	U	25
RESIDENTIAL-20190801-0808	L2327284-3	EPA 1668C	PCB-130	5.2	pg	J,R	U	25
RESIDENTIAL-20190801-0808	L2327284-3	EPA 1668C	PCB-158	6.3	pg	M,J,R	U	25
RESIDENTIAL-20190801-0808	L2327284-3	EPA 1668C	PCB-176	3	pg	M,J,R	U	25
RESIDENTIAL-20190801-0808	L2327284-3	EPA 1668C	PCB-183	13	pg	J,R	U	25
RESIDENTIAL-20190801-0808	L2327284-3	EPA 1668C	PCB-172	1.9	pg	J,R	U	25
RESIDENTIAL-20190801-0808	L2327284-3	EPA 1668C	PCB-190	2.3	pg	J,R	U	25
RESIDENTIAL-20190801-0808	L2327284-3	EPA 1668C	PCB-202	9.3	pg	M,J,R	U	25
RESIDENTIAL-20190801-0808	L2327284-3	EPA 1668C	PCB-196	5.9	pg	J,R	U	25
RESIDENTIAL-20190801-0808	L2327284-3	EPA 1668C	PCB-195	2.4	pg	J,R	U	25
RESIDENTIAL-20190801-0808	L2327284-3	EPA 1668C	PCB-194	6.1	pg	J,R	U	25
RESIDENTIAL-20190801-0808	L2327284-3	EPA 1668C	PCB-207	1.9	pg	M,J,R	U	25
CITY-20190725-0801	L2327284-4	EPA 1668C	PCB-002	13	pg	J,R	U	25
CITY-20190725-0801	L2327284-4	EPA 1668C	PCB-003	26	pg	J,R	U	25
CITY-20190725-0801	L2327284-4	EPA 1668C	PCB-004	210	pg	R	U	25
CITY-20190725-0801	L2327284-4	EPA 1668C	PCB-006	68	pg	M,J,R	U	25
CITY-20190725-0801	L2327284-4	EPA 1668C	PCB-011	335	pg	B	U	7
CITY-20190725-0801	L2327284-4	EPA 1668C	PCB-027	11	pg	M,J,R	U	25
CITY-20190725-0801	L2327284-4	EPA 1668C	PCB-016	75	pg	M,J,R	U	25
CITY-20190725-0801	L2327284-4	EPA 1668C	PCB-048	18	pg	J,R	U	25
CITY-20190725-0801	L2327284-4	EPA 1668C	PCB-042	21	pg	J,R	U	25
CITY-20190725-0801	L2327284-4	EPA 1668C	PCB-066	26.1	pg	J,B	U	7
CITY-20190725-0801	L2327284-4	EPA 1668C	PCB-056	13.6	pg	J,B	U	7

**Qualified Data Summary Table**  
**Seattle Iron and Metals - Phase I Dust Monitoring**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB QUAL	DV QUAL	DV CODE
CITY-20190725-0801	L2327284-4	EPA 1668C	PCB-088/091	13	pg	J,R	U	25
CITY-20190725-0801	L2327284-4	EPA 1668C	PCB-092	18	pg	M,J,R	U	25
CITY-20190725-0801	L2327284-4	EPA 1668C	PCB-082	10	pg	J,R	U	25
CITY-20190725-0801	L2327284-4	EPA 1668C	PCB-105	13	pg	M,J,R	U	25
CITY-20190725-0801	L2327284-4	EPA 1668C	PCB-136	9.2	pg	M,J,R	U	25
CITY-20190725-0801	L2327284-4	EPA 1668C	PCB-134/143	2.6	pg	J,R	U	25
CITY-20190725-0801	L2327284-4	EPA 1668C	PCB-146	5.8	pg	J,R	U	25
CITY-20190725-0801	L2327284-4	EPA 1668C	PCB-130	3.2	pg	J,R	U	25
CITY-20190725-0801	L2327284-4	EPA 1668C	PCB-137/164	5.1	pg	M,J,R	U	25
CITY-20190725-0801	L2327284-4	EPA 1668C	PCB-158	4.2	pg	J,R	U	25
CITY-20190725-0801	L2327284-4	EPA 1668C	PCB-128/166	5.4	pg	M,J,R	U	25
CITY-20190725-0801	L2327284-4	EPA 1668C	PCB-156/157	2.9	pg	M,J,R	U	25
CITY-20190725-0801	L2327284-4	EPA 1668C	PCB-179	7.7	pg	M,J,R	U	25
CITY-20190725-0801	L2327284-4	EPA 1668C	PCB-183	9.4	pg	J,R	U	25
CITY-20190725-0801	L2327284-4	EPA 1668C	PCB-174	10	pg	J,R	U	25
HEISER-20190808-0815	L2336381-1	EPA 1668C	PCB-002	14	pg	M,J,R	U	25
HEISER-20190808-0815	L2336381-1	EPA 1668C	PCB-008	130	pg	R	U	25
HEISER-20190808-0815	L2336381-1	EPA 1668C	PCB-011	225	pg	B	U	7
HEISER-20190808-0815	L2336381-1	EPA 1668C	PCB-019	27	pg	M,J,R	U	25
HEISER-20190808-0815	L2336381-1	EPA 1668C	PCB-027	9.4	pg	M,J,R	U	25
HEISER-20190808-0815	L2336381-1	EPA 1668C	PCB-037	16	pg	M,J,R	U	25
HEISER-20190808-0815	L2336381-1	EPA 1668C	PCB-046	6.7	pg	J,R	U	25
HEISER-20190808-0815	L2336381-1	EPA 1668C	PCB-048	14	pg	J,R	U	25
HEISER-20190808-0815	L2336381-1	EPA 1668C	PCB-059/062/075	7.3	pg	J,R	U	25
HEISER-20190808-0815	L2336381-1	EPA 1668C	PCB-066	30.3	pg	M,J,B	U	7
HEISER-20190808-0815	L2336381-1	EPA 1668C	PCB-056	13	pg	J,R	U	25
HEISER-20190808-0815	L2336381-1	EPA 1668C	PCB-088/091	14	pg	J,R	U	25
HEISER-20190808-0815	L2336381-1	EPA 1668C	PCB-092	14	pg	J,R	U	25
HEISER-20190808-0815	L2336381-1	EPA 1668C	PCB-083/099	33	pg	J,R	U	25
HEISER-20190808-0815	L2336381-1	EPA 1668C	PCB-082	8.3	pg	M,J,R	U	25
HEISER-20190808-0815	L2336381-1	EPA 1668C	PCB-105	11	pg	M,J,R	U	25

**Qualified Data Summary Table**  
**Seattle Iron and Metals - Phase I Dust Monitoring**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB QUAL	DV QUAL	DV CODE
HEISER-20190808-0815	L2336381-1	EPA 1668C	PCB-134/143	2.9	pg	J,R	U	25
HEISER-20190808-0815	L2336381-1	EPA 1668C	PCB-132	15	pg	J,R	U	25
HEISER-20190808-0815	L2336381-1	EPA 1668C	PCB-141	9.6	pg	J,R	U	25
HEISER-20190808-0815	L2336381-1	EPA 1668C	PCB-156/157	2.5	pg	M,J,R	U	25
HEISER-20190808-0815	L2336381-1	EPA 1668C	PCB-202	3.8	pg	J,R	U	25
HEISER-20190808-0815	L2336381-1	EPA 1668C	PCB-198/199	4.6	pg	M,J,R	U	25
HEISER-20190808-0815	L2336381-1	EPA 1668C	PCB-194	2.2	pg	M,J,R	U	25
CITY-20190808-0815	L2336381-2	EPA 1668C	PCB-002	14	pg	M,J,R	U	25
CITY-20190808-0815	L2336381-2	EPA 1668C	PCB-006	47	pg	M,J,R	U	25
CITY-20190808-0815	L2336381-2	EPA 1668C	PCB-011	294	pg	M,B	U	7
CITY-20190808-0815	L2336381-2	EPA 1668C	PCB-019	39	pg	J,R	U	25
CITY-20190808-0815	L2336381-2	EPA 1668C	PCB-027	7.7	pg	J,R	U	25
CITY-20190808-0815	L2336381-2	EPA 1668C	PCB-037	18	pg	M,J,R	U	25
CITY-20190808-0815	L2336381-2	EPA 1668C	PCB-059/062/075	7.2	pg	J,R	U	25
CITY-20190808-0815	L2336381-2	EPA 1668C	PCB-064	36	pg	J,R	U	25
CITY-20190808-0815	L2336381-2	EPA 1668C	PCB-056	15	pg	J,R	U	25
CITY-20190808-0815	L2336381-2	EPA 1668C	PCB-060	10	pg	J,R	U	25
CITY-20190808-0815	L2336381-2	EPA 1668C	PCB-088/091	12	pg	M,J,R	U	25
CITY-20190808-0815	L2336381-2	EPA 1668C	PCB-092	19	pg	J,R	U	25
CITY-20190808-0815	L2336381-2	EPA 1668C	PCB-082	9.7	pg	M,J,R	U	25
CITY-20190808-0815	L2336381-2	EPA 1668C	PCB-134/143	3.5	pg	J,R	U	25
CITY-20190808-0815	L2336381-2	EPA 1668C	PCB-132	21	pg	J,R	U	25
CITY-20190808-0815	L2336381-2	EPA 1668C	PCB-128/166	4.7	pg	J,R	U	25
CITY-20190808-0815	L2336381-2	EPA 1668C	PCB-179	6.4	pg	M,J,R	U	25
CITY-20190808-0815	L2336381-2	EPA 1668C	PCB-174	8.7	pg	M,J,R	U	25
CITY-20190808-0815	L2336381-2	EPA 1668C	PCB-202	4.3	pg	J,R	U	25
CITY-20190808-0815	L2336381-2	EPA 1668C	PCB-198/199	4.8	pg	J,R	U	25
CITY-20190808-0815	L2336381-2	EPA 1668C	PCB-203	3	pg	M,J,R	U	25
RESIDENTIAL-20190808-0815	L2336381-3	EPA 1668C	PCB-011	344	pg	M,B	U	7
RESIDENTIAL-20190808-0815	L2336381-3	EPA 1668C	PCB-015	52	pg	M,J,R	U	25
RESIDENTIAL-20190808-0815	L2336381-3	EPA 1668C	PCB-017	130	pg	M,R	U	25



**Qualified Data Summary Table  
Seattle Iron and Metals - Phase I Dust Monitoring**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB QUAL	DV QUAL	DV CODE
RESIDENTIAL-20190808-0815	L2336381-3	EPA 1668C	PCB-027	16	pg	M,J,R	U	25
RESIDENTIAL-20190808-0815	L2336381-3	EPA 1668C	PCB-032	67	pg	J,R	U	25
RESIDENTIAL-20190808-0815	L2336381-3	EPA 1668C	PCB-025	26	pg	J,R	U	25
RESIDENTIAL-20190808-0815	L2336381-3	EPA 1668C	PCB-050/053	37	pg	J,R	U	25
RESIDENTIAL-20190808-0815	L2336381-3	EPA 1668C	PCB-042	36	pg	J,R	U	25
RESIDENTIAL-20190808-0815	L2336381-3	EPA 1668C	PCB-092	13	pg	J,R	U	25
RESIDENTIAL-20190808-0815	L2336381-3	EPA 1668C	PCB-136	16	pg	J,R	U	25
RESIDENTIAL-20190808-0815	L2336381-3	EPA 1668C	PCB-153/168	51	pg	J,R	U	25
RESIDENTIAL-20190808-0815	L2336381-3	EPA 1668C	PCB-158	5.8	pg	J,R	U	25
RESIDENTIAL-20190808-0815	L2336381-3	EPA 1668C	PCB-179	9.7	pg	J,R	U	25
RESIDENTIAL-20190808-0815	L2336381-3	EPA 1668C	PCB-176	3	pg	M,J,R	U	25
RESIDENTIAL-20190808-0815	L2336381-3	EPA 1668C	PCB-178	4	pg	J,R	U	25
RESIDENTIAL-20190808-0815	L2336381-3	EPA 1668C	PCB-174	6.6	pg	M,J,R	U	25
RESIDENTIAL-20190808-0815	L2336381-3	EPA 1668C	PCB-177	6.7	pg	J,R	U	25
RESIDENTIAL-20190808-0815	L2336381-3	EPA 1668C	PCB-171/173	3.4	pg	J,R	U	25
RESIDENTIAL-20190808-0815	L2336381-3	EPA 1668C	PCB-202	5.7	pg	M,J,R	U	25
RESIDENTIAL-20190808-0815	L2336381-3	EPA 1668C	PCB-201	3.5	pg	M,J,R	U	25
RESIDENTIAL-20190808-0815	L2336381-3	EPA 1668C	PCB-198/199	11	pg	J,R	U	25
RESIDENTIAL-20190808-0815	L2336381-3	EPA 1668C	PCB-203	3.6	pg	M,J,R	U	25
HEISER-20190815-0823	L2336381-4	EPA 1668C	PCB-003	24	pg	M,J,R	U	25
HEISER-20190815-0823	L2336381-4	EPA 1668C	PCB-008	60	pg	J,R	U	25
HEISER-20190815-0823	L2336381-4	EPA 1668C	PCB-011	188	pg	B	U	7
HEISER-20190815-0823	L2336381-4	EPA 1668C	PCB-016	30	pg	J,R	U	25
HEISER-20190815-0823	L2336381-4	EPA 1668C	PCB-020/028	57.9	pg	J,B	U	7
HEISER-20190815-0823	L2336381-4	EPA 1668C	PCB-044/047/065	58.1	pg	J,B	U	7
HEISER-20190815-0823	L2336381-4	EPA 1668C	PCB-064	17	pg	J,R	U	25
HEISER-20190815-0823	L2336381-4	EPA 1668C	PCB-066	25.1	pg	J,B	U	7
HEISER-20190815-0823	L2336381-4	EPA 1668C	PCB-056	15	pg	J,R	U	25
HEISER-20190815-0823	L2336381-4	EPA 1668C	PCB-060	9.5	pg	J,R	U	25
HEISER-20190815-0823	L2336381-4	EPA 1668C	PCB-084	13	pg	J,R	U	25
HEISER-20190815-0823	L2336381-4	EPA 1668C	PCB-092	13	pg	J,R	U	25

**Qualified Data Summary Table**  
**Seattle Iron and Metals - Phase I Dust Monitoring**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB QUAL	DV QUAL	DV CODE
HEISER-20190815-0823	L2336381-4	EPA 1668C	PCB-086/087/097/109/119/125	36	pg	M,J,R	U	25
HEISER-20190815-0823	L2336381-4	EPA 1668C	PCB-118	25	pg	M,J,R	U	25
HEISER-20190815-0823	L2336381-4	EPA 1668C	PCB-105	9.4	pg	J,R	U	25
HEISER-20190815-0823	L2336381-4	EPA 1668C	PCB-136	18	pg	J,R	U	25
HEISER-20190815-0823	L2336381-4	EPA 1668C	PCB-144	5.8	pg	J,R	U	25
HEISER-20190815-0823	L2336381-4	EPA 1668C	PCB-132	16	pg	J,R	U	25
HEISER-20190815-0823	L2336381-4	EPA 1668C	PCB-179	20	pg	M,J,R	U	25
HEISER-20190815-0823	L2336381-4	EPA 1668C	PCB-170	4	pg	M,J,R	U	25
HEISER-20190815-0823	L2336381-4	EPA 1668C	PCB-196	2.8	pg	M,J,R	U	25
CITY-20190815-0823	L2336381-5	EPA 1668C	PCB-002	9.5	pg	J,R	U	25
CITY-20190815-0823	L2336381-5	EPA 1668C	PCB-011	217	pg	B	U	7
CITY-20190815-0823	L2336381-5	EPA 1668C	PCB-019	17	pg	J,R	U	25
CITY-20190815-0823	L2336381-5	EPA 1668C	PCB-017	36	pg	J,R	U	25
CITY-20190815-0823	L2336381-5	EPA 1668C	PCB-025	5.9	pg	M,J,R	U	25
CITY-20190815-0823	L2336381-5	EPA 1668C	PCB-048	11	pg	M,J,R	U	25
CITY-20190815-0823	L2336381-5	EPA 1668C	PCB-044/047/065	61	pg	M,J,B	U	7
CITY-20190815-0823	L2336381-5	EPA 1668C	PCB-040/041/071	20	pg	M,J,R	U	25
CITY-20190815-0823	L2336381-5	EPA 1668C	PCB-064	16	pg	J,R	U	25
CITY-20190815-0823	L2336381-5	EPA 1668C	PCB-061/070/074/076	54.9	pg	J,B	U	7
CITY-20190815-0823	L2336381-5	EPA 1668C	PCB-066	17.9	pg	M,J,B	U	7
CITY-20190815-0823	L2336381-5	EPA 1668C	PCB-056	9.16	pg	J,B	U	7
CITY-20190815-0823	L2336381-5	EPA 1668C	PCB-088/091	9.8	pg	J,R	U	25
CITY-20190815-0823	L2336381-5	EPA 1668C	PCB-084	10	pg	J,R	U	25
CITY-20190815-0823	L2336381-5	EPA 1668C	PCB-092	8.6	pg	J,R	U	25
CITY-20190815-0823	L2336381-5	EPA 1668C	PCB-136	6.8	pg	J,R	U	25
CITY-20190815-0823	L2336381-5	EPA 1668C	PCB-135/151	13	pg	M,J,R	U	25
CITY-20190815-0823	L2336381-5	EPA 1668C	PCB-137/164	2	pg	M,J,R	U	25
CITY-20190815-0823	L2336381-5	EPA 1668C	PCB-178	4.4	pg	M,J,R	U	25
CITY-20190815-0823	L2336381-5	EPA 1668C	PCB-187	4.6	pg	M,J,R	U	25
CITY-20190815-0823	L2336381-5	EPA 1668C	PCB-183	2.2	pg	M,J,R	U	25
CITY-20190815-0823	L2336381-5	EPA 1668C	PCB-180/193	5.7	pg	M,J,R	U	25

**Qualified Data Summary Table**  
**Seattle Iron and Metals - Phase I Dust Monitoring**

SAMPLE ID	LAB ID	METHOD	ANALYTE	RESULT	UNITS	LAB QUAL	DV QUAL	DV CODE
CITY-20190815-0823	L2336381-5	EPA 1668C	PCB-194	2.5	pg	M,J,R	U	25
RESIDENTIAL-20190815-0823	L2336381-6	EPA 1668C	PCB-011	248	pg	B	U	7
RESIDENTIAL-20190815-0823	L2336381-6	EPA 1668C	PCB-022	34	pg	J,R	U	25
RESIDENTIAL-20190815-0823	L2336381-6	EPA 1668C	PCB-037	16	pg	J,R	U	25
RESIDENTIAL-20190815-0823	L2336381-6	EPA 1668C	PCB-066	31.9	pg	M,J,B	U	7
RESIDENTIAL-20190815-0823	L2336381-6	EPA 1668C	PCB-056	13.9	pg	J,B	U	7
RESIDENTIAL-20190815-0823	L2336381-6	EPA 1668C	PCB-060	6.7	pg	M,J,R	U	25
RESIDENTIAL-20190815-0823	L2336381-6	EPA 1668C	PCB-088/091	8.9	pg	M,J,R	U	25
RESIDENTIAL-20190815-0823	L2336381-6	EPA 1668C	PCB-092	11	pg	J,R	U	25
RESIDENTIAL-20190815-0823	L2336381-6	EPA 1668C	PCB-083/099	31	pg	J,R	U	25
RESIDENTIAL-20190815-0823	L2336381-6	EPA 1668C	PCB-136	6.6	pg	J,R	U	25
RESIDENTIAL-20190815-0823	L2336381-6	EPA 1668C	PCB-144	1.9	pg	M,J,R	U	25
RESIDENTIAL-20190815-0823	L2336381-6	EPA 1668C	PCB-141	7.9	pg	J,R	U	25
RESIDENTIAL-20190815-0823	L2336381-6	EPA 1668C	PCB-158	3.1	pg	J,R	U	25
RESIDENTIAL-20190815-0823	L2336381-6	EPA 1668C	PCB-178	6.2	pg	M,J,R	U	25
RESIDENTIAL-20190815-0823	L2336381-6	EPA 1668C	PCB-183	3.3	pg	M,J,R	U	25
RESIDENTIAL-20190815-0823	L2336381-6	EPA 1668C	PCB-180/193	8.2	pg	M,J,R	U	25