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ANALYTICAL REPORT

Eurofins TestAmerica, Buffalo
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Tel: (716)691-2600

Laboratory Job ID: 480-184692-1
Client Project/Site: RACER Massena Sampling

For:
O'Brien & Gere Inc of North America
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Results relate only to the items tested and the sample(s) as received by the laboratory.

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Definitions/Glossary

Client: O'Brien & Gere Inc of North America
Project/Site: RACER Massena Sampling

Job ID: 480-184692-1

Qualifiers

GC Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job ID: 480-184692-1

Laboratory: Eurofins TestAmerica, Buffalo

Narrative

Job Narrative
480-184692-1

Comments
No additional comments.

Receipt
The samples were received on 5/14/2021 10:00 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 3.5º C.

GC Semi VOA
Method 8082A: The following samples appears to contain polychlorinated biphenyls (PCBs); however, due to weathering or other environmental processes, the PCBs in the sample do not closely match any of the laboratory's Aroclor standards used for instrument calibration: SED20-17-0-0.5 (480-184692-1) and SED20-17-0.5-1.0 (480-184692-2). The sample(s) has been quantified and reported as a mixture of Aroclors PCB-1242 and PCB-1254. Due to the poor match with the Aroclor standard(s), there is increased qualitative and quantitative uncertainty associated with this result.

Method 8082A: The %RPD between the primary and confirmation column exceeded 40% for PCB-1254 for the following sample: SED20-17-0-0.5 (480-184692-1). The lower value(s) has been reported and qualified in accordance with the laboratory's SOP.

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

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

Detection Summary

Client: O'Brien & Gere Inc of North America
Project/Site: RACER Massena Sampling

Job ID: 480-184692-1

Client Sample ID: SED20-17-0-0.5 — Lab Sample ID: 480-184692-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1242	0.66		0.055	0.011	mg/Kg	1	☼	8082A	Total/NA
PCB-1254	0.18		0.055	0.026	mg/Kg	1	☼	8082A	Total/NA

Client Sample ID: SED20-17-0.5-1.0 — Lab Sample ID: 480-184692-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1242	0.031		0.027	0.0052	mg/Kg	1	☼	8082A	Total/NA

Client Sample ID: SED20-17-1.0-1.5 — Lab Sample ID: 480-184692-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1242	0.018	J	0.023	0.0045	mg/Kg	1	☼	8082A	Total/NA

Client Sample ID: SED20-17-1.5-2.1 — Lab Sample ID: 480-184692-4

No Detections.

Client Sample ID: SED20-19-0-0.3 — Lab Sample ID: 480-184692-5

No Detections.

Client Sample ID: SED20-19-0.3-0.9 — Lab Sample ID: 480-184692-6

No Detections.

Client Sample ID: SED20-19-0.9-1.6 — Lab Sample ID: 480-184692-7

No Detections.

Client Sample ID: SED20-20-0-0.3 — Lab Sample ID: 480-184692-8

No Detections.

Client Sample ID: SED20-20-0.3-1.0 — Lab Sample ID: 480-184692-9

No Detections.

Client Sample ID: SS20-14-0-1 — Lab Sample ID: 480-184692-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1248	0.71		0.032	0.0063	mg/Kg	1	☼	8082A	Total/NA

Client Sample ID: SS20-14-1-2 — Lab Sample ID: 480-184692-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1248	0.0047	J	0.024	0.0046	mg/Kg	1	☼	8082A	Total/NA

Client Sample ID: X-15 — Lab Sample ID: 480-184692-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1248	0.017	J	0.022	0.0044	mg/Kg	1	☼	8082A	Total/NA

Client Sample ID: SED20-26-0-0.2 — Lab Sample ID: 480-184692-13

No Detections.

Client Sample ID: SED20-26-0.2-1.0 — Lab Sample ID: 480-184692-14

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Buffalo

Detection Summary

Client: O'Brien & Gere Inc of North America
Project/Site: RACER Massena Sampling

Job ID: 480-184692-1

Client Sample ID: SED20-25-0-0.5 **Lab Sample ID: 480-184692-16**

No Detections.

Client Sample ID: SED20-25-0.5-0.9 **Lab Sample ID: 480-184692-17**

No Detections.

Client Sample ID: SED20-25-0.9-1.6 **Lab Sample ID: 480-184692-18**

No Detections.

Client Sample ID: SED20-25-1.6-1.9 **Lab Sample ID: 480-184692-19**

No Detections.

Client Sample ID: SED20-23-0-0.3 **Lab Sample ID: 480-184692-20**

No Detections.

Client Sample ID: SED20-23-0.3-0.7 **Lab Sample ID: 480-184692-21**

No Detections.

Client Sample ID: SED20-23-0.7-1.2 **Lab Sample ID: 480-184692-22**

No Detections.

Client Sample ID: SED20-24-0-0.5 **Lab Sample ID: 480-184692-23**

No Detections.

Client Sample ID: SED20-24-0.5-1.0 **Lab Sample ID: 480-184692-24**

No Detections.

Client Sample ID: SED20-24-1.0-1.8 **Lab Sample ID: 480-184692-25**

No Detections.

Client Sample ID: SED20-22-0-0.3 **Lab Sample ID: 480-184692-26**

No Detections.

Client Sample ID: SED20-22-0.3-1.3 **Lab Sample ID: 480-184692-27**

No Detections.

Client Sample ID: SED20-21-0-0.5 **Lab Sample ID: 480-184692-29**

No Detections.

Client Sample ID: SED20-21-0.5-1.0 **Lab Sample ID: 480-184692-30**

No Detections.

Client Sample ID: SED20-21-1.0-1.8 **Lab Sample ID: 480-184692-31**

No Detections.

Client Sample ID: X-16 **Lab Sample ID: 480-184692-32**

No Detections.

This Detection Summary does not include radiochemical test results.

Client Sample ID: SED20-17-0-0.5

Lab Sample ID: 480-184692-1
Date Collected: 05/12/21 14:40
Matrix: Solid
Date Received: 05/14/21 10:00
Percent Solids: 29.5

Method: 8082A - Polychlorinated Biphenyls (PCBs) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.055	0.011	mg/Kg	☼	06/02/21 14:50	06/03/21 15:28	1
PCB-1221	ND		0.055	0.011	mg/Kg	☼	06/02/21 14:50	06/03/21 15:28	1
PCB-1232	ND		0.055	0.011	mg/Kg	☼	06/02/21 14:50	06/03/21 15:28	1
PCB-1242	**0.66**		0.055	0.011	mg/Kg	☼	06/02/21 14:50	06/03/21 15:28	1
PCB-1248	ND		0.055	0.011	mg/Kg	☼	06/02/21 14:50	06/03/21 15:28	1
PCB-1254	**0.18**		0.055	0.026	mg/Kg	☼	06/02/21 14:50	06/03/21 15:28	1
PCB-1260	ND		0.055	0.026	mg/Kg	☼	06/02/21 14:50	06/03/21 15:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*80*		*60 - 154*	*06/02/21 14:50*	*06/03/21 15:28*	*1*
Tetrachloro-m-xylene	*82*		*60 - 154*	*06/02/21 14:50*	*06/03/21 15:28*	*1*
DCB Decachlorobiphenyl	*71*		*65 - 174*	*06/02/21 14:50*	*06/03/21 15:28*	*1*
DCB Decachlorobiphenyl	*89*		*65 - 174*	*06/02/21 14:50*	*06/03/21 15:28*	*1*

Client Sample ID: SED20-17-0.5-1.0

Lab Sample ID: 480-184692-2
Date Collected: 05/12/21 14:45
Matrix: Solid
Date Received: 05/14/21 10:00
Percent Solids: 62.1

Method: 8082A - Polychlorinated Biphenyls (PCBs) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.027	0.0052	mg/Kg	☼	06/02/21 14:50	06/03/21 15:40	1
PCB-1221	ND		0.027	0.0052	mg/Kg	☼	06/02/21 14:50	06/03/21 15:40	1
PCB-1232	ND		0.027	0.0052	mg/Kg	☼	06/02/21 14:50	06/03/21 15:40	1
PCB-1242	**0.031**		0.027	0.0052	mg/Kg	☼	06/02/21 14:50	06/03/21 15:40	1
PCB-1248	ND		0.027	0.0052	mg/Kg	☼	06/02/21 14:50	06/03/21 15:40	1
PCB-1254	ND		0.027	0.012	mg/Kg	☼	06/02/21 14:50	06/03/21 15:40	1
PCB-1260	ND		0.027	0.012	mg/Kg	☼	06/02/21 14:50	06/03/21 15:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*86*		*60 - 154*	*06/02/21 14:50*	*06/03/21 15:40*	*1*
Tetrachloro-m-xylene	*89*		*60 - 154*	*06/02/21 14:50*	*06/03/21 15:40*	*1*
DCB Decachlorobiphenyl	*94*		*65 - 174*	*06/02/21 14:50*	*06/03/21 15:40*	*1*
DCB Decachlorobiphenyl	*104*		*65 - 174*	*06/02/21 14:50*	*06/03/21 15:40*	*1*

Client Sample ID: SED20-17-1.0-1.5

Lab Sample ID: 480-184692-3
Date Collected: 05/12/21 14:52
Matrix: Solid
Date Received: 05/14/21 10:00
Percent Solids: 71.8

Method: 8082A - Polychlorinated Biphenyls (PCBs) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.023	0.0045	mg/Kg	☼	06/02/21 14:50	06/03/21 15:53	1
PCB-1221	ND		0.023	0.0045	mg/Kg	☼	06/02/21 14:50	06/03/21 15:53	1
PCB-1232	ND		0.023	0.0045	mg/Kg	☼	06/02/21 14:50	06/03/21 15:53	1
PCB-1242	**0.018**	**J**	0.023	0.0045	mg/Kg	☼	06/02/21 14:50	06/03/21 15:53	1
PCB-1248	ND		0.023	0.0045	mg/Kg	☼	06/02/21 14:50	06/03/21 15:53	1
PCB-1254	ND		0.023	0.011	mg/Kg	☼	06/02/21 14:50	06/03/21 15:53	1
PCB-1260	ND		0.023	0.011	mg/Kg	☼	06/02/21 14:50	06/03/21 15:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*93*		*60 - 154*	*06/02/21 14:50*	*06/03/21 15:53*	*1*
Tetrachloro-m-xylene	*95*		*60 - 154*	*06/02/21 14:50*	*06/03/21 15:53*	*1*

Client Sample ID: SED20-17-1.0-1.5

Lab Sample ID: 480-184692-3
Date Collected: 05/12/21 14:52
Matrix: Solid
Date Received: 05/14/21 10:00
Percent Solids: 71.8

Method: 8082A - Polychlorinated Biphenyls (PCBs) (GC) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	91		65 - 174	06/02/21 14:50	06/03/21 15:53	1
DCB Decachlorobiphenyl	102		65 - 174	06/02/21 14:50	06/03/21 15:53	1

Client Sample ID: SED20-17-1.5-2.1

Lab Sample ID: 480-184692-4
Date Collected: 05/12/21 14:58
Matrix: Solid
Date Received: 05/14/21 10:00
Percent Solids: 69.3

Method: 8082A - Polychlorinated Biphenyls (PCBs) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.024	0.0047	mg/Kg	☼	06/02/21 14:50	06/03/21 15:15	1
PCB-1221	ND		0.024	0.0047	mg/Kg	☼	06/02/21 14:50	06/03/21 15:15	1
PCB-1232	ND		0.024	0.0047	mg/Kg	☼	06/02/21 14:50	06/03/21 15:15	1
PCB-1242	ND		0.024	0.0047	mg/Kg	☼	06/02/21 14:50	06/03/21 15:15	1
PCB-1248	ND		0.024	0.0047	mg/Kg	☼	06/02/21 14:50	06/03/21 15:15	1
PCB-1254	ND		0.024	0.011	mg/Kg	☼	06/02/21 14:50	06/03/21 15:15	1
PCB-1260	ND		0.024	0.011	mg/Kg	☼	06/02/21 14:50	06/03/21 15:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	87		60 - 154	06/02/21 14:50	06/03/21 15:15	1
Tetrachloro-m-xylene	91		60 - 154	06/02/21 14:50	06/03/21 15:15	1
DCB Decachlorobiphenyl	86		65 - 174	06/02/21 14:50	06/03/21 15:15	1
DCB Decachlorobiphenyl	97		65 - 174	06/02/21 14:50	06/03/21 15:15	1

Client Sample ID: SED20-19-0-0.3

Lab Sample ID: 480-184692-5
Date Collected: 05/12/21 15:43
Matrix: Solid
Date Received: 05/14/21 10:00
Percent Solids: 32.2

Method: 8082A - Polychlorinated Biphenyls (PCBs) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.051	0.0099	mg/Kg	☼	06/02/21 14:50	06/03/21 16:06	1
PCB-1221	ND		0.051	0.0099	mg/Kg	☼	06/02/21 14:50	06/03/21 16:06	1
PCB-1232	ND		0.051	0.0099	mg/Kg	☼	06/02/21 14:50	06/03/21 16:06	1
PCB-1242	ND		0.051	0.0099	mg/Kg	☼	06/02/21 14:50	06/03/21 16:06	1
PCB-1248	ND		0.051	0.0099	mg/Kg	☼	06/02/21 14:50	06/03/21 16:06	1
PCB-1254	ND		0.051	0.024	mg/Kg	☼	06/02/21 14:50	06/03/21 16:06	1
PCB-1260	ND		0.051	0.024	mg/Kg	☼	06/02/21 14:50	06/03/21 16:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	90		60 - 154	06/02/21 14:50	06/03/21 16:06	1
Tetrachloro-m-xylene	89		60 - 154	06/02/21 14:50	06/03/21 16:06	1
DCB Decachlorobiphenyl	81		65 - 174	06/02/21 14:50	06/03/21 16:06	1
DCB Decachlorobiphenyl	92		65 - 174	06/02/21 14:50	06/03/21 16:06	1

Client Sample ID: SED20-19-0.3-0.9

Lab Sample ID: 480-184692-6
Date Collected: 05/12/21 15:50
Matrix: Solid
Date Received: 05/14/21 10:00
Percent Solids: 68.7

Method: 8082A - Polychlorinated Biphenyls (PCBs) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.024	0.0046	mg/Kg	☼	06/02/21 14:50	06/03/21 16:19	1
PCB-1221	ND		0.024	0.0046	mg/Kg	☼	06/02/21 14:50	06/03/21 16:19	1

Client Sample ID: SED20-19-0.3-0.9

Lab Sample ID: 480-184692-6

Date Collected: 05/12/21 15:50
Matrix: Solid
Date Received: 05/14/21 10:00
Percent Solids: 68.7

Method: 8082A - Polychlorinated Biphenyls (PCBs) (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1232	ND		0.024	0.0046	mg/Kg	☼	06/02/21 14:50	06/03/21 16:19	1
PCB-1242	ND		0.024	0.0046	mg/Kg	☼	06/02/21 14:50	06/03/21 16:19	1
PCB-1248	ND		0.024	0.0046	mg/Kg	☼	06/02/21 14:50	06/03/21 16:19	1
PCB-1254	ND		0.024	0.011	mg/Kg	☼	06/02/21 14:50	06/03/21 16:19	1
PCB-1260	ND		0.024	0.011	mg/Kg	☼	06/02/21 14:50	06/03/21 16:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*82*		*60 - 154*	*06/02/21 14:50*	*06/03/21 16:19*	*1*
Tetrachloro-m-xylene	*91*		*60 - 154*	*06/02/21 14:50*	*06/03/21 16:19*	*1*
DCB Decachlorobiphenyl	*80*		*65 - 174*	*06/02/21 14:50*	*06/03/21 16:19*	*1*
DCB Decachlorobiphenyl	*94*		*65 - 174*	*06/02/21 14:50*	*06/03/21 16:19*	*1*

Client Sample ID: SED20-19-0.9-1.6

Lab Sample ID: 480-184692-7

Date Collected: 05/12/21 15:55
Matrix: Solid
Date Received: 05/14/21 10:00
Percent Solids: 78.3

Method: 8082A - Polychlorinated Biphenyls (PCBs) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.021	0.0041	mg/Kg	☼	06/02/21 14:50	06/03/21 16:32	1
PCB-1221	ND		0.021	0.0041	mg/Kg	☼	06/02/21 14:50	06/03/21 16:32	1
PCB-1232	ND		0.021	0.0041	mg/Kg	☼	06/02/21 14:50	06/03/21 16:32	1
PCB-1242	ND		0.021	0.0041	mg/Kg	☼	06/02/21 14:50	06/03/21 16:32	1
PCB-1248	ND		0.021	0.0041	mg/Kg	☼	06/02/21 14:50	06/03/21 16:32	1
PCB-1254	ND		0.021	0.0099	mg/Kg	☼	06/02/21 14:50	06/03/21 16:32	1
PCB-1260	ND		0.021	0.0099	mg/Kg	☼	06/02/21 14:50	06/03/21 16:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*103*		*60 - 154*	*06/02/21 14:50*	*06/03/21 16:32*	*1*
Tetrachloro-m-xylene	*106*		*60 - 154*	*06/02/21 14:50*	*06/03/21 16:32*	*1*
DCB Decachlorobiphenyl	*99*		*65 - 174*	*06/02/21 14:50*	*06/03/21 16:32*	*1*
DCB Decachlorobiphenyl	*114*		*65 - 174*	*06/02/21 14:50*	*06/03/21 16:32*	*1*

Client Sample ID: SED20-20-0-0.3

Lab Sample ID: 480-184692-8

Date Collected: 05/12/21 16:06
Matrix: Solid
Date Received: 05/14/21 10:00
Percent Solids: 49.0

Method: 8082A - Polychlorinated Biphenyls (PCBs) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.033	0.0065	mg/Kg	☼	06/02/21 14:50	06/03/21 16:45	1
PCB-1221	ND		0.033	0.0065	mg/Kg	☼	06/02/21 14:50	06/03/21 16:45	1
PCB-1232	ND		0.033	0.0065	mg/Kg	☼	06/02/21 14:50	06/03/21 16:45	1
PCB-1242	ND		0.033	0.0065	mg/Kg	☼	06/02/21 14:50	06/03/21 16:45	1
PCB-1248	ND		0.033	0.0065	mg/Kg	☼	06/02/21 14:50	06/03/21 16:45	1
PCB-1254	ND		0.033	0.016	mg/Kg	☼	06/02/21 14:50	06/03/21 16:45	1
PCB-1260	ND		0.033	0.016	mg/Kg	☼	06/02/21 14:50	06/03/21 16:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*88*		*60 - 154*	*06/02/21 14:50*	*06/03/21 16:45*	*1*
Tetrachloro-m-xylene	*95*		*60 - 154*	*06/02/21 14:50*	*06/03/21 16:45*	*1*
DCB Decachlorobiphenyl	*84*		*65 - 174*	*06/02/21 14:50*	*06/03/21 16:45*	*1*
DCB Decachlorobiphenyl	*96*		*65 - 174*	*06/02/21 14:50*	*06/03/21 16:45*	*1*

Client Sample ID: SED20-20-0.3-1.0

Lab Sample ID: 480-184692-9

Date Collected: 05/12/21 16:10
Matrix: Solid
Date Received: 05/14/21 10:00
Percent Solids: 69.6

Method: 8082A - Polychlorinated Biphenyls (PCBs) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.024	0.0046	mg/Kg	☼	06/02/21 14:50	06/03/21 16:57	1
PCB-1221	ND		0.024	0.0046	mg/Kg	☼	06/02/21 14:50	06/03/21 16:57	1
PCB-1232	ND		0.024	0.0046	mg/Kg	☼	06/02/21 14:50	06/03/21 16:57	1
PCB-1242	ND		0.024	0.0046	mg/Kg	☼	06/02/21 14:50	06/03/21 16:57	1
PCB-1248	ND		0.024	0.0046	mg/Kg	☼	06/02/21 14:50	06/03/21 16:57	1
PCB-1254	ND		0.024	0.011	mg/Kg	☼	06/02/21 14:50	06/03/21 16:57	1
PCB-1260	ND		0.024	0.011	mg/Kg	☼	06/02/21 14:50	06/03/21 16:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*94*		*60 - 154*	*06/02/21 14:50*	*06/03/21 16:57*	*1*
Tetrachloro-m-xylene	*98*		*60 - 154*	*06/02/21 14:50*	*06/03/21 16:57*	*1*
DCB Decachlorobiphenyl	*88*		*65 - 174*	*06/02/21 14:50*	*06/03/21 16:57*	*1*
DCB Decachlorobiphenyl	*102*		*65 - 174*	*06/02/21 14:50*	*06/03/21 16:57*	*1*

Client Sample ID: SS20-14-0-1

Lab Sample ID: 480-184692-10

Date Collected: 05/12/21 16:40
Matrix: Solid
Date Received: 05/14/21 10:00
Percent Solids: 50.6

Method: 8082A - Polychlorinated Biphenyls (PCBs) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.032	0.0063	mg/Kg	☼	06/02/21 14:50	06/03/21 17:10	1
PCB-1221	ND		0.032	0.0063	mg/Kg	☼	06/02/21 14:50	06/03/21 17:10	1
PCB-1232	ND		0.032	0.0063	mg/Kg	☼	06/02/21 14:50	06/03/21 17:10	1
PCB-1242	ND		0.032	0.0063	mg/Kg	☼	06/02/21 14:50	06/03/21 17:10	1
PCB-1248	**0.71**		0.032	0.0063	mg/Kg	☼	06/02/21 14:50	06/03/21 17:10	1
PCB-1254	ND		0.032	0.015	mg/Kg	☼	06/02/21 14:50	06/03/21 17:10	1
PCB-1260	ND		0.032	0.015	mg/Kg	☼	06/02/21 14:50	06/03/21 17:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*83*		*60 - 154*	*06/02/21 14:50*	*06/03/21 17:10*	*1*
Tetrachloro-m-xylene	*91*		*60 - 154*	*06/02/21 14:50*	*06/03/21 17:10*	*1*
DCB Decachlorobiphenyl	*83*		*65 - 174*	*06/02/21 14:50*	*06/03/21 17:10*	*1*
DCB Decachlorobiphenyl	*103*		*65 - 174*	*06/02/21 14:50*	*06/03/21 17:10*	*1*

Client Sample ID: SS20-14-1-2

Lab Sample ID: 480-184692-11

Date Collected: 05/12/21 16:50
Matrix: Solid
Date Received: 05/14/21 10:00
Percent Solids: 69.5

Method: 8082A - Polychlorinated Biphenyls (PCBs) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.024	0.0046	mg/Kg	☼	06/02/21 14:50	06/03/21 17:23	1
PCB-1221	ND		0.024	0.0046	mg/Kg	☼	06/02/21 14:50	06/03/21 17:23	1
PCB-1232	ND		0.024	0.0046	mg/Kg	☼	06/02/21 14:50	06/03/21 17:23	1
PCB-1242	ND		0.024	0.0046	mg/Kg	☼	06/02/21 14:50	06/03/21 17:23	1
PCB-1248	**0.0047**	**J**	0.024	0.0046	mg/Kg	☼	06/02/21 14:50	06/03/21 17:23	1
PCB-1254	ND		0.024	0.011	mg/Kg	☼	06/02/21 14:50	06/03/21 17:23	1
PCB-1260	ND		0.024	0.011	mg/Kg	☼	06/02/21 14:50	06/03/21 17:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*89*		*60 - 154*	*06/02/21 14:50*	*06/03/21 17:23*	*1*
Tetrachloro-m-xylene	*94*		*60 - 154*	*06/02/21 14:50*	*06/03/21 17:23*	*1*

Client Sample ID: SS20-14-1-2

Lab Sample ID: 480-184692-11

Date Collected: 05/12/21 16:50
Matrix: Solid
Date Received: 05/14/21 10:00
Percent Solids: 69.5

Method: 8082A - Polychlorinated Biphenyls (PCBs) (GC) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	85		65 - 174	06/02/21 14:50	06/03/21 17:23	1
DCB Decachlorobiphenyl	97		65 - 174	06/02/21 14:50	06/03/21 17:23	1

Client Sample ID: X-15

Lab Sample ID: 480-184692-12

Date Collected: 05/12/21 00:00
Matrix: Solid
Date Received: 05/14/21 10:00
Percent Solids: 74.1

Method: 8082A - Polychlorinated Biphenyls (PCBs) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.022	0.0044	mg/Kg	☼	06/02/21 14:50	06/03/21 17:36	1
PCB-1221	ND		0.022	0.0044	mg/Kg	☼	06/02/21 14:50	06/03/21 17:36	1
PCB-1232	ND		0.022	0.0044	mg/Kg	☼	06/02/21 14:50	06/03/21 17:36	1
PCB-1242	ND		0.022	0.0044	mg/Kg	☼	06/02/21 14:50	06/03/21 17:36	1
PCB-1248	**0.017**	**J**	0.022	0.0044	mg/Kg	☼	06/02/21 14:50	06/03/21 17:36	1
PCB-1254	ND		0.022	0.010	mg/Kg	☼	06/02/21 14:50	06/03/21 17:36	1
PCB-1260	ND		0.022	0.010	mg/Kg	☼	06/02/21 14:50	06/03/21 17:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	92		60 - 154	06/02/21 14:50	06/03/21 17:36	1
Tetrachloro-m-xylene	96		60 - 154	06/02/21 14:50	06/03/21 17:36	1
DCB Decachlorobiphenyl	88		65 - 174	06/02/21 14:50	06/03/21 17:36	1
DCB Decachlorobiphenyl	99		65 - 174	06/02/21 14:50	06/03/21 17:36	1

Client Sample ID: SED20-26-0-0.2

Lab Sample ID: 480-184692-13

Date Collected: 05/13/21 09:15
Matrix: Solid
Date Received: 05/14/21 10:00
Percent Solids: 28.8

Method: 8082A - Polychlorinated Biphenyls (PCBs) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.057	0.011	mg/Kg	☼	06/02/21 14:50	06/03/21 17:49	1
PCB-1221	ND		0.057	0.011	mg/Kg	☼	06/02/21 14:50	06/03/21 17:49	1
PCB-1232	ND		0.057	0.011	mg/Kg	☼	06/02/21 14:50	06/03/21 17:49	1
PCB-1242	ND		0.057	0.011	mg/Kg	☼	06/02/21 14:50	06/03/21 17:49	1
PCB-1248	ND		0.057	0.011	mg/Kg	☼	06/02/21 14:50	06/03/21 17:49	1
PCB-1254	ND		0.057	0.027	mg/Kg	☼	06/02/21 14:50	06/03/21 17:49	1
PCB-1260	ND		0.057	0.027	mg/Kg	☼	06/02/21 14:50	06/03/21 17:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	97		60 - 154	06/02/21 14:50	06/03/21 17:49	1
Tetrachloro-m-xylene	101		60 - 154	06/02/21 14:50	06/03/21 17:49	1
DCB Decachlorobiphenyl	97		65 - 174	06/02/21 14:50	06/03/21 17:49	1
DCB Decachlorobiphenyl	108		65 - 174	06/02/21 14:50	06/03/21 17:49	1

Client Sample ID: SED20-26-0.2-1.0

Lab Sample ID: 480-184692-14

Date Collected: 05/13/21 09:20
Matrix: Solid
Date Received: 05/14/21 10:00
Percent Solids: 69.7

Method: 8082A - Polychlorinated Biphenyls (PCBs) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.024	0.0046	mg/Kg	☼	06/02/21 14:56	06/03/21 15:26	1
PCB-1221	ND		0.024	0.0046	mg/Kg	☼	06/02/21 14:56	06/03/21 15:26	1

Client Sample ID: SED20-26-0.2-1.0

Lab Sample ID: 480-184692-14

Date Collected: 05/13/21 09:20
Date Received: 05/14/21 10:00

Matrix: Solid
Percent Solids: 69.7

Method: 8082A - Polychlorinated Biphenyls (PCBs) (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1232	ND		0.024	0.0046	mg/Kg	☼	06/02/21 14:56	06/03/21 15:26	1
PCB-1242	ND		0.024	0.0046	mg/Kg	☼	06/02/21 14:56	06/03/21 15:26	1
PCB-1248	ND		0.024	0.0046	mg/Kg	☼	06/02/21 14:56	06/03/21 15:26	1
PCB-1254	ND		0.024	0.011	mg/Kg	☼	06/02/21 14:56	06/03/21 15:26	1
PCB-1260	ND		0.024	0.011	mg/Kg	☼	06/02/21 14:56	06/03/21 15:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*91*		*60 - 154*	*06/02/21 14:56*	*06/03/21 15:26*	*1*
Tetrachloro-m-xylene	*92*		*60 - 154*	*06/02/21 14:56*	*06/03/21 15:26*	*1*
DCB Decachlorobiphenyl	*105*		*65 - 174*	*06/02/21 14:56*	*06/03/21 15:26*	*1*
DCB Decachlorobiphenyl	*101*		*65 - 174*	*06/02/21 14:56*	*06/03/21 15:26*	*1*

Client Sample ID: SED20-25-0-0.5

Lab Sample ID: 480-184692-16

Date Collected: 05/13/21 09:58
Date Received: 05/14/21 10:00

Matrix: Solid
Percent Solids: 51.7

Method: 8082A - Polychlorinated Biphenyls (PCBs) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.032	0.0062	mg/Kg	☼	06/02/21 14:50	06/03/21 18:02	1
PCB-1221	ND		0.032	0.0062	mg/Kg	☼	06/02/21 14:50	06/03/21 18:02	1
PCB-1232	ND		0.032	0.0062	mg/Kg	☼	06/02/21 14:50	06/03/21 18:02	1
PCB-1242	ND		0.032	0.0062	mg/Kg	☼	06/02/21 14:50	06/03/21 18:02	1
PCB-1248	ND		0.032	0.0062	mg/Kg	☼	06/02/21 14:50	06/03/21 18:02	1
PCB-1254	ND		0.032	0.015	mg/Kg	☼	06/02/21 14:50	06/03/21 18:02	1
PCB-1260	ND		0.032	0.015	mg/Kg	☼	06/02/21 14:50	06/03/21 18:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*92*		*60 - 154*	*06/02/21 14:50*	*06/03/21 18:02*	*1*
Tetrachloro-m-xylene	*95*		*60 - 154*	*06/02/21 14:50*	*06/03/21 18:02*	*1*
DCB Decachlorobiphenyl	*85*		*65 - 174*	*06/02/21 14:50*	*06/03/21 18:02*	*1*
DCB Decachlorobiphenyl	*98*		*65 - 174*	*06/02/21 14:50*	*06/03/21 18:02*	*1*

Client Sample ID: SED20-25-0.5-0.9

Lab Sample ID: 480-184692-17

Date Collected: 05/13/21 10:02
Date Received: 05/14/21 10:00

Matrix: Solid
Percent Solids: 69.9

Method: 8082A - Polychlorinated Biphenyls (PCBs) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.024	0.0047	mg/Kg	☼	06/02/21 14:50	06/03/21 18:15	1
PCB-1221	ND		0.024	0.0047	mg/Kg	☼	06/02/21 14:50	06/03/21 18:15	1
PCB-1232	ND		0.024	0.0047	mg/Kg	☼	06/02/21 14:50	06/03/21 18:15	1
PCB-1242	ND		0.024	0.0047	mg/Kg	☼	06/02/21 14:50	06/03/21 18:15	1
PCB-1248	ND		0.024	0.0047	mg/Kg	☼	06/02/21 14:50	06/03/21 18:15	1
PCB-1254	ND		0.024	0.011	mg/Kg	☼	06/02/21 14:50	06/03/21 18:15	1
PCB-1260	ND		0.024	0.011	mg/Kg	☼	06/02/21 14:50	06/03/21 18:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*94*		*60 - 154*	*06/02/21 14:50*	*06/03/21 18:15*	*1*
Tetrachloro-m-xylene	*100*		*60 - 154*	*06/02/21 14:50*	*06/03/21 18:15*	*1*
DCB Decachlorobiphenyl	*88*		*65 - 174*	*06/02/21 14:50*	*06/03/21 18:15*	*1*
DCB Decachlorobiphenyl	*102*		*65 - 174*	*06/02/21 14:50*	*06/03/21 18:15*	*1*

Client Sample ID: SED20-25-0.9-1.6

Lab Sample ID: 480-184692-18

Date Collected: 05/13/21 10:06
Date Received: 05/14/21 10:00

Matrix: Solid
Percent Solids: 81.3

Method: 8082A - Polychlorinated Biphenyls (PCBs) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.020	0.0039	mg/Kg	☼	06/02/21 14:50	06/03/21 18:27	1
PCB-1221	ND		0.020	0.0039	mg/Kg	☼	06/02/21 14:50	06/03/21 18:27	1
PCB-1232	ND		0.020	0.0039	mg/Kg	☼	06/02/21 14:50	06/03/21 18:27	1
PCB-1242	ND		0.020	0.0039	mg/Kg	☼	06/02/21 14:50	06/03/21 18:27	1
PCB-1248	ND		0.020	0.0039	mg/Kg	☼	06/02/21 14:50	06/03/21 18:27	1
PCB-1254	ND		0.020	0.0095	mg/Kg	☼	06/02/21 14:50	06/03/21 18:27	1
PCB-1260	ND		0.020	0.0095	mg/Kg	☼	06/02/21 14:50	06/03/21 18:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*96*		*60 - 154*	*06/02/21 14:50*	*06/03/21 18:27*	*1*
Tetrachloro-m-xylene	*103*		*60 - 154*	*06/02/21 14:50*	*06/03/21 18:27*	*1*
DCB Decachlorobiphenyl	*91*		*65 - 174*	*06/02/21 14:50*	*06/03/21 18:27*	*1*
DCB Decachlorobiphenyl	*105*		*65 - 174*	*06/02/21 14:50*	*06/03/21 18:27*	*1*

Client Sample ID: SED20-25-1.6-1.9

Lab Sample ID: 480-184692-19

Date Collected: 05/13/21 10:10
Date Received: 05/14/21 10:00

Matrix: Solid
Percent Solids: 80.2

Method: 8082A - Polychlorinated Biphenyls (PCBs) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.020	0.0039	mg/Kg	☼	06/02/21 14:50	06/03/21 19:06	1
PCB-1221	ND		0.020	0.0039	mg/Kg	☼	06/02/21 14:50	06/03/21 19:06	1
PCB-1232	ND		0.020	0.0039	mg/Kg	☼	06/02/21 14:50	06/03/21 19:06	1
PCB-1242	ND		0.020	0.0039	mg/Kg	☼	06/02/21 14:50	06/03/21 19:06	1
PCB-1248	ND		0.020	0.0039	mg/Kg	☼	06/02/21 14:50	06/03/21 19:06	1
PCB-1254	ND		0.020	0.0095	mg/Kg	☼	06/02/21 14:50	06/03/21 19:06	1
PCB-1260	ND		0.020	0.0095	mg/Kg	☼	06/02/21 14:50	06/03/21 19:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*110*		*60 - 154*	*06/02/21 14:50*	*06/03/21 19:06*	*1*
Tetrachloro-m-xylene	*113*		*60 - 154*	*06/02/21 14:50*	*06/03/21 19:06*	*1*
DCB Decachlorobiphenyl	*127*		*65 - 174*	*06/02/21 14:50*	*06/03/21 19:06*	*1*
DCB Decachlorobiphenyl	*135*		*65 - 174*	*06/02/21 14:50*	*06/03/21 19:06*	*1*

Client Sample ID: SED20-23-0-0.3

Lab Sample ID: 480-184692-20

Date Collected: 05/13/21 10:52
Date Received: 05/14/21 10:00

Matrix: Solid
Percent Solids: 52.9

Method: 8082A - Polychlorinated Biphenyls (PCBs) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.031	0.0061	mg/Kg	☼	06/02/21 14:50	06/03/21 19:19	1
PCB-1221	ND		0.031	0.0061	mg/Kg	☼	06/02/21 14:50	06/03/21 19:19	1
PCB-1232	ND		0.031	0.0061	mg/Kg	☼	06/02/21 14:50	06/03/21 19:19	1
PCB-1242	ND		0.031	0.0061	mg/Kg	☼	06/02/21 14:50	06/03/21 19:19	1
PCB-1248	ND		0.031	0.0061	mg/Kg	☼	06/02/21 14:50	06/03/21 19:19	1
PCB-1254	ND		0.031	0.015	mg/Kg	☼	06/02/21 14:50	06/03/21 19:19	1
PCB-1260	ND		0.031	0.015	mg/Kg	☼	06/02/21 14:50	06/03/21 19:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*91*		*60 - 154*	*06/02/21 14:50*	*06/03/21 19:19*	*1*
Tetrachloro-m-xylene	*97*		*60 - 154*	*06/02/21 14:50*	*06/03/21 19:19*	*1*

Client Sample ID: SED20-23-0-0.3

Lab Sample ID: 480-184692-20

Date Collected: 05/13/21 10:52
Date Received: 05/14/21 10:00

Matrix: Solid
Percent Solids: 52.9

Method: 8082A - Polychlorinated Biphenyls (PCBs) (GC) (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*100*		*65 - 174*	*06/02/21 14:50*	*06/03/21 19:19*	*1*
DCB Decachlorobiphenyl	*102*		*65 - 174*	*06/02/21 14:50*	*06/03/21 19:19*	*1*

Client Sample ID: SED20-23-0.3-0.7

Lab Sample ID: 480-184692-21

Date Collected: 05/13/21 10:55
Date Received: 05/14/21 10:00

Matrix: Solid
Percent Solids: 76.2

Method: 8082A - Polychlorinated Biphenyls (PCBs) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.022	0.0043	mg/Kg	☼	06/02/21 14:50	06/03/21 19:32	1
PCB-1221	ND		0.022	0.0043	mg/Kg	☼	06/02/21 14:50	06/03/21 19:32	1
PCB-1232	ND		0.022	0.0043	mg/Kg	☼	06/02/21 14:50	06/03/21 19:32	1
PCB-1242	ND		0.022	0.0043	mg/Kg	☼	06/02/21 14:50	06/03/21 19:32	1
PCB-1248	ND		0.022	0.0043	mg/Kg	☼	06/02/21 14:50	06/03/21 19:32	1
PCB-1254	ND		0.022	0.010	mg/Kg	☼	06/02/21 14:50	06/03/21 19:32	1
PCB-1260	ND		0.022	0.010	mg/Kg	☼	06/02/21 14:50	06/03/21 19:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*101*		*60 - 154*	*06/02/21 14:50*	*06/03/21 19:32*	*1*
Tetrachloro-m-xylene	*105*		*60 - 154*	*06/02/21 14:50*	*06/03/21 19:32*	*1*
DCB Decachlorobiphenyl	*102*		*65 - 174*	*06/02/21 14:50*	*06/03/21 19:32*	*1*
DCB Decachlorobiphenyl	*112*		*65 - 174*	*06/02/21 14:50*	*06/03/21 19:32*	*1*

Client Sample ID: SED20-23-0.7-1.2

Lab Sample ID: 480-184692-22

Date Collected: 05/13/21 11:00
Date Received: 05/14/21 10:00

Matrix: Solid
Percent Solids: 82.2

Method: 8082A - Polychlorinated Biphenyls (PCBs) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.020	0.0040	mg/Kg	☼	06/02/21 14:50	06/03/21 19:44	1
PCB-1221	ND		0.020	0.0040	mg/Kg	☼	06/02/21 14:50	06/03/21 19:44	1
PCB-1232	ND		0.020	0.0040	mg/Kg	☼	06/02/21 14:50	06/03/21 19:44	1
PCB-1242	ND		0.020	0.0040	mg/Kg	☼	06/02/21 14:50	06/03/21 19:44	1
PCB-1248	ND		0.020	0.0040	mg/Kg	☼	06/02/21 14:50	06/03/21 19:44	1
PCB-1254	ND		0.020	0.0095	mg/Kg	☼	06/02/21 14:50	06/03/21 19:44	1
PCB-1260	ND		0.020	0.0095	mg/Kg	☼	06/02/21 14:50	06/03/21 19:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*90*		*60 - 154*	*06/02/21 14:50*	*06/03/21 19:44*	*1*
Tetrachloro-m-xylene	*96*		*60 - 154*	*06/02/21 14:50*	*06/03/21 19:44*	*1*
DCB Decachlorobiphenyl	*100*		*65 - 174*	*06/02/21 14:50*	*06/03/21 19:44*	*1*
DCB Decachlorobiphenyl	*111*		*65 - 174*	*06/02/21 14:50*	*06/03/21 19:44*	*1*

Client Sample ID: SED20-24-0-0.5

Lab Sample ID: 480-184692-23

Date Collected: 05/13/21 11:14
Date Received: 05/14/21 10:00

Matrix: Solid
Percent Solids: 57.1

Method: 8082A - Polychlorinated Biphenyls (PCBs) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.029	0.0056	mg/Kg	☼	06/02/21 14:56	06/03/21 17:20	1
PCB-1221	ND		0.029	0.0056	mg/Kg	☼	06/02/21 14:56	06/03/21 17:20	1

Client Sample ID: SED20-24-0-0.5

Lab Sample ID: 480-184692-23

Date Collected: 05/13/21 11:14
Date Received: 05/14/21 10:00

Matrix: Solid
Percent Solids: 57.1

Method: 8082A - Polychlorinated Biphenyls (PCBs) (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1232	ND		0.029	0.0056	mg/Kg	☼	06/02/21 14:56	06/03/21 17:20	1
PCB-1242	ND		0.029	0.0056	mg/Kg	☼	06/02/21 14:56	06/03/21 17:20	1
PCB-1248	ND		0.029	0.0056	mg/Kg	☼	06/02/21 14:56	06/03/21 17:20	1
PCB-1254	ND		0.029	0.013	mg/Kg	☼	06/02/21 14:56	06/03/21 17:20	1
PCB-1260	ND		0.029	0.013	mg/Kg	☼	06/02/21 14:56	06/03/21 17:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*92*		*60 - 154*	*06/02/21 14:56*	*06/03/21 17:20*	*1*
Tetrachloro-m-xylene	*93*		*60 - 154*	*06/02/21 14:56*	*06/03/21 17:20*	*1*
DCB Decachlorobiphenyl	*108*		*65 - 174*	*06/02/21 14:56*	*06/03/21 17:20*	*1*
DCB Decachlorobiphenyl	*103*		*65 - 174*	*06/02/21 14:56*	*06/03/21 17:20*	*1*

Client Sample ID: SED20-24-0.5-1.0

Lab Sample ID: 480-184692-24

Date Collected: 05/13/21 11:19
Date Received: 05/14/21 10:00

Matrix: Solid
Percent Solids: 76.9

Method: 8082A - Polychlorinated Biphenyls (PCBs) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.021	0.0041	mg/Kg	☼	06/02/21 14:56	06/03/21 17:33	1
PCB-1221	ND		0.021	0.0041	mg/Kg	☼	06/02/21 14:56	06/03/21 17:33	1
PCB-1232	ND		0.021	0.0041	mg/Kg	☼	06/02/21 14:56	06/03/21 17:33	1
PCB-1242	ND		0.021	0.0041	mg/Kg	☼	06/02/21 14:56	06/03/21 17:33	1
PCB-1248	ND		0.021	0.0041	mg/Kg	☼	06/02/21 14:56	06/03/21 17:33	1
PCB-1254	ND		0.021	0.0099	mg/Kg	☼	06/02/21 14:56	06/03/21 17:33	1
PCB-1260	ND		0.021	0.0099	mg/Kg	☼	06/02/21 14:56	06/03/21 17:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*96*		*60 - 154*	*06/02/21 14:56*	*06/03/21 17:33*	*1*
Tetrachloro-m-xylene	*97*		*60 - 154*	*06/02/21 14:56*	*06/03/21 17:33*	*1*
DCB Decachlorobiphenyl	*113*		*65 - 174*	*06/02/21 14:56*	*06/03/21 17:33*	*1*
DCB Decachlorobiphenyl	*104*		*65 - 174*	*06/02/21 14:56*	*06/03/21 17:33*	*1*

Client Sample ID: SED20-24-1.0-1.8

Lab Sample ID: 480-184692-25

Date Collected: 05/13/21 11:23
Date Received: 05/14/21 10:00

Matrix: Solid
Percent Solids: 75.1

Method: 8082A - Polychlorinated Biphenyls (PCBs) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.022	0.0042	mg/Kg	☼	06/02/21 14:56	06/03/21 17:46	1
PCB-1221	ND		0.022	0.0042	mg/Kg	☼	06/02/21 14:56	06/03/21 17:46	1
PCB-1232	ND		0.022	0.0042	mg/Kg	☼	06/02/21 14:56	06/03/21 17:46	1
PCB-1242	ND		0.022	0.0042	mg/Kg	☼	06/02/21 14:56	06/03/21 17:46	1
PCB-1248	ND		0.022	0.0042	mg/Kg	☼	06/02/21 14:56	06/03/21 17:46	1
PCB-1254	ND		0.022	0.010	mg/Kg	☼	06/02/21 14:56	06/03/21 17:46	1
PCB-1260	ND		0.022	0.010	mg/Kg	☼	06/02/21 14:56	06/03/21 17:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*115*		*60 - 154*	*06/02/21 14:56*	*06/03/21 17:46*	*1*
Tetrachloro-m-xylene	*114*		*60 - 154*	*06/02/21 14:56*	*06/03/21 17:46*	*1*
DCB Decachlorobiphenyl	*132*		*65 - 174*	*06/02/21 14:56*	*06/03/21 17:46*	*1*
DCB Decachlorobiphenyl	*126*		*65 - 174*	*06/02/21 14:56*	*06/03/21 17:46*	*1*

Client Sample ID: SED20-22-0-0.3

Lab Sample ID: 480-184692-26

Date Collected: 05/13/21 11:30
Date Received: 05/14/21 10:00

Matrix: Solid
Percent Solids: 65.5

Method: 8082A - Polychlorinated Biphenyls (PCBs) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.025	0.0050	mg/Kg	☼	06/02/21 14:56	06/03/21 17:58	1
PCB-1221	ND		0.025	0.0050	mg/Kg	☼	06/02/21 14:56	06/03/21 17:58	1
PCB-1232	ND		0.025	0.0050	mg/Kg	☼	06/02/21 14:56	06/03/21 17:58	1
PCB-1242	ND		0.025	0.0050	mg/Kg	☼	06/02/21 14:56	06/03/21 17:58	1
PCB-1248	ND		0.025	0.0050	mg/Kg	☼	06/02/21 14:56	06/03/21 17:58	1
PCB-1254	ND		0.025	0.012	mg/Kg	☼	06/02/21 14:56	06/03/21 17:58	1
PCB-1260	ND		0.025	0.012	mg/Kg	☼	06/02/21 14:56	06/03/21 17:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*107*		*60 - 154*	*06/02/21 14:56*	*06/03/21 17:58*	*1*
Tetrachloro-m-xylene	*107*		*60 - 154*	*06/02/21 14:56*	*06/03/21 17:58*	*1*
DCB Decachlorobiphenyl	*127*		*65 - 174*	*06/02/21 14:56*	*06/03/21 17:58*	*1*
DCB Decachlorobiphenyl	*116*		*65 - 174*	*06/02/21 14:56*	*06/03/21 17:58*	*1*

Client Sample ID: SED20-22-0.3-1.3

Lab Sample ID: 480-184692-27

Date Collected: 05/13/21 11:36
Date Received: 05/14/21 10:00

Matrix: Solid
Percent Solids: 79.1

Method: 8082A - Polychlorinated Biphenyls (PCBs) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.021	0.0041	mg/Kg	☼	06/02/21 14:56	06/03/21 18:11	1
PCB-1221	ND		0.021	0.0041	mg/Kg	☼	06/02/21 14:56	06/03/21 18:11	1
PCB-1232	ND		0.021	0.0041	mg/Kg	☼	06/02/21 14:56	06/03/21 18:11	1
PCB-1242	ND		0.021	0.0041	mg/Kg	☼	06/02/21 14:56	06/03/21 18:11	1
PCB-1248	ND		0.021	0.0041	mg/Kg	☼	06/02/21 14:56	06/03/21 18:11	1
PCB-1254	ND		0.021	0.0099	mg/Kg	☼	06/02/21 14:56	06/03/21 18:11	1
PCB-1260	ND		0.021	0.0099	mg/Kg	☼	06/02/21 14:56	06/03/21 18:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*101*		*60 - 154*	*06/02/21 14:56*	*06/03/21 18:11*	*1*
Tetrachloro-m-xylene	*103*		*60 - 154*	*06/02/21 14:56*	*06/03/21 18:11*	*1*
DCB Decachlorobiphenyl	*120*		*65 - 174*	*06/02/21 14:56*	*06/03/21 18:11*	*1*
DCB Decachlorobiphenyl	*112*		*65 - 174*	*06/02/21 14:56*	*06/03/21 18:11*	*1*

Client Sample ID: SED20-21-0-0.5

Lab Sample ID: 480-184692-29

Date Collected: 05/13/21 11:46
Date Received: 05/14/21 10:00

Matrix: Solid
Percent Solids: 62.3

Method: 8082A - Polychlorinated Biphenyls (PCBs) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.027	0.0052	mg/Kg	☼	06/02/21 14:56	06/03/21 18:49	1
PCB-1221	ND		0.027	0.0052	mg/Kg	☼	06/02/21 14:56	06/03/21 18:49	1
PCB-1232	ND		0.027	0.0052	mg/Kg	☼	06/02/21 14:56	06/03/21 18:49	1
PCB-1242	ND		0.027	0.0052	mg/Kg	☼	06/02/21 14:56	06/03/21 18:49	1
PCB-1248	ND		0.027	0.0052	mg/Kg	☼	06/02/21 14:56	06/03/21 18:49	1
PCB-1254	ND		0.027	0.013	mg/Kg	☼	06/02/21 14:56	06/03/21 18:49	1
PCB-1260	ND		0.027	0.013	mg/Kg	☼	06/02/21 14:56	06/03/21 18:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*106*		*60 - 154*	*06/02/21 14:56*	*06/03/21 18:49*	*1*
Tetrachloro-m-xylene	*104*		*60 - 154*	*06/02/21 14:56*	*06/03/21 18:49*	*1*

Client Sample ID: SED20-21-0-0.5

Lab Sample ID: 480-184692-29

Date Collected: 05/13/21 11:46
Matrix: Solid
Date Received: 05/14/21 10:00
Percent Solids: 62.3

Method: 8082A - Polychlorinated Biphenyls (PCBs) (GC) (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*123*		*65 - 174*	*06/02/21 14:56*	*06/03/21 18:49*	*1*
DCB Decachlorobiphenyl	*116*		*65 - 174*	*06/02/21 14:56*	*06/03/21 18:49*	*1*

Client Sample ID: SED20-21-0.5-1.0

Lab Sample ID: 480-184692-30

Date Collected: 05/13/21 11:48
Matrix: Solid
Date Received: 05/14/21 10:00
Percent Solids: 72.6

Method: 8082A - Polychlorinated Biphenyls (PCBs) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.023	0.0044	mg/Kg	☼	06/02/21 14:56	06/03/21 19:02	1
PCB-1221	ND		0.023	0.0044	mg/Kg	☼	06/02/21 14:56	06/03/21 19:02	1
PCB-1232	ND		0.023	0.0044	mg/Kg	☼	06/02/21 14:56	06/03/21 19:02	1
PCB-1242	ND		0.023	0.0044	mg/Kg	☼	06/02/21 14:56	06/03/21 19:02	1
PCB-1248	ND		0.023	0.0044	mg/Kg	☼	06/02/21 14:56	06/03/21 19:02	1
PCB-1254	ND		0.023	0.011	mg/Kg	☼	06/02/21 14:56	06/03/21 19:02	1
PCB-1260	ND		0.023	0.011	mg/Kg	☼	06/02/21 14:56	06/03/21 19:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*107*		*60 - 154*	*06/02/21 14:56*	*06/03/21 19:02*	*1*
Tetrachloro-m-xylene	*107*		*60 - 154*	*06/02/21 14:56*	*06/03/21 19:02*	*1*
DCB Decachlorobiphenyl	*124*		*65 - 174*	*06/02/21 14:56*	*06/03/21 19:02*	*1*
DCB Decachlorobiphenyl	*116*		*65 - 174*	*06/02/21 14:56*	*06/03/21 19:02*	*1*

Client Sample ID: SED20-21-1.0-1.8

Lab Sample ID: 480-184692-31

Date Collected: 05/13/21 11:52
Matrix: Solid
Date Received: 05/14/21 10:00
Percent Solids: 76.9

Method: 8082A - Polychlorinated Biphenyls (PCBs) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.022	0.0042	mg/Kg	☼	06/02/21 14:56	06/03/21 19:15	1
PCB-1221	ND		0.022	0.0042	mg/Kg	☼	06/02/21 14:56	06/03/21 19:15	1
PCB-1232	ND		0.022	0.0042	mg/Kg	☼	06/02/21 14:56	06/03/21 19:15	1
PCB-1242	ND		0.022	0.0042	mg/Kg	☼	06/02/21 14:56	06/03/21 19:15	1
PCB-1248	ND		0.022	0.0042	mg/Kg	☼	06/02/21 14:56	06/03/21 19:15	1
PCB-1254	ND		0.022	0.010	mg/Kg	☼	06/02/21 14:56	06/03/21 19:15	1
PCB-1260	ND		0.022	0.010	mg/Kg	☼	06/02/21 14:56	06/03/21 19:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*118*		*60 - 154*	*06/02/21 14:56*	*06/03/21 19:15*	*1*
Tetrachloro-m-xylene	*115*		*60 - 154*	*06/02/21 14:56*	*06/03/21 19:15*	*1*
DCB Decachlorobiphenyl	*145*		*65 - 174*	*06/02/21 14:56*	*06/03/21 19:15*	*1*
DCB Decachlorobiphenyl	*135*		*65 - 174*	*06/02/21 14:56*	*06/03/21 19:15*	*1*

Client Sample ID: X-16

Lab Sample ID: 480-184692-32

Date Collected: 05/13/21 00:00
Matrix: Solid
Date Received: 05/14/21 10:00
Percent Solids: 83.7

Method: 8082A - Polychlorinated Biphenyls (PCBs) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.020	0.0039	mg/Kg	☼	06/02/21 14:56	06/03/21 19:28	1
PCB-1221	ND		0.020	0.0039	mg/Kg	☼	06/02/21 14:56	06/03/21 19:28	1

Client: O'Brien & Gere Inc of North America
Project/Site: RACER Massena Sampling

Job ID: 480-184692-1

Client Sample ID: X-16
Date Collected: 05/13/21 00:00
Date Received: 05/14/21 10:00

Lab Sample ID: 480-184692-32
Matrix: Solid
Percent Solids: 83.7

Method: 8082A - Polychlorinated Biphenyls (PCBs) (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1232	ND		0.020	0.0039	mg/Kg	☼	06/02/21 14:56	06/03/21 19:28	1
PCB-1242	ND		0.020	0.0039	mg/Kg	☼	06/02/21 14:56	06/03/21 19:28	1
PCB-1248	ND		0.020	0.0039	mg/Kg	☼	06/02/21 14:56	06/03/21 19:28	1
PCB-1254	ND		0.020	0.0093	mg/Kg	☼	06/02/21 14:56	06/03/21 19:28	1
PCB-1260	ND		0.020	0.0093	mg/Kg	☼	06/02/21 14:56	06/03/21 19:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*105*		*60 - 154*	*06/02/21 14:56*	*06/03/21 19:28*	*1*
Tetrachloro-m-xylene	*104*		*60 - 154*	*06/02/21 14:56*	*06/03/21 19:28*	*1*
DCB Decachlorobiphenyl	*130*		*65 - 174*	*06/02/21 14:56*	*06/03/21 19:28*	*1*
DCB Decachlorobiphenyl	*121*		*65 - 174*	*06/02/21 14:56*	*06/03/21 19:28*	*1*

Surrogate Summary

Client: O'Brien & Gere Inc of North America
Project/Site: RACER Massena Sampling

Job ID: 480-184692-1

Method: 8082A - Polychlorinated Biphenyls (PCBs) (GC)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		TCX1	TCX2	DCBP1	DCBP2
Lab Sample ID	Client Sample ID	(60-154)	(60-154)	(65-174)	(65-174)
480-184692-1	SED20-17-0-0.5	80	82	71	89
480-184692-2	SED20-17-0.5-1.0	86	89	94	104
480-184692-3	SED20-17-1.0-1.5	93	95	91	102
480-184692-4	SED20-17-1.5-2.1	87	91	86	97
480-184692-4 MS	SED20-17-1.5-2.1	97	102	99	106
480-184692-4 MSD	SED20-17-1.5-2.1	89	96	92	104
480-184692-5	SED20-19-0-0.3	90	89	81	92
480-184692-6	SED20-19-0.3-0.9	82	91	80	94
480-184692-7	SED20-19-0.9-1.6	103	106	99	114
480-184692-8	SED20-20-0-0.3	88	95	84	96
480-184692-9	SED20-20-0.3-1.0	94	98	88	102
480-184692-10	SS20-14-0-1	83	91	83	103
480-184692-11	SS20-14-1-2	89	94	85	97
480-184692-12	X-15	92	96	88	99
480-184692-13	SED20-26-0-0.2	97	101	97	108
480-184692-14	SED20-26-0.2-1.0	92	91	101	105
480-184692-14 MS	SED20-26-0.2-1.0	81	82	93	97
480-184692-14 MSD	SED20-26-0.2-1.0	86	85	96	99
480-184692-16	SED20-25-0-0.5	92	95	85	98
480-184692-17	SED20-25-0.5-0.9	94	100	88	102
480-184692-18	SED20-25-0.9-1.6	96	103	91	105
480-184692-19	SED20-25-1.6-1.9	110	113	127	135
480-184692-20	SED20-23-0-0.3	91	97	100	102
480-184692-21	SED20-23-0.3-0.7	101	105	102	112
480-184692-22	SED20-23-0.7-1.2	90	96	100	111
480-184692-23	SED20-24-0-0.5	93	92	103	108
480-184692-24	SED20-24-0.5-1.0	97	96	104	113
480-184692-25	SED20-24-1.0-1.8	114	115	126	132
480-184692-26	SED20-22-0-0.3	107	107	116	127
480-184692-27	SED20-22-0.3-1.3	103	101	112	120
480-184692-29	SED20-21-0-0.5	104	106	116	123
480-184692-30	SED20-21-0.5-1.0	107	107	116	124
480-184692-31	SED20-21-1.0-1.8	115	118	135	145
480-184692-32	X-16	104	105	121	130
LCS 480-583660/2-A	Lab Control Sample	97	99	116	113
LCS 480-583661/2-A	Lab Control Sample	80	79	92	95
MB 480-583660/1-A	Method Blank	95	97	109	106
MB 480-583661/1-A	Method Blank	87	85	92	99

Surrogate Legend

TCX = Tetrachloro-m-xylene

DCBP = DCB Decachlorobiphenyl

Method: 8082A - Polychlorinated Biphenyls (PCBs) (GC)

Lab Sample ID: MB 480-583660/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 583822 — **Prep Batch: 583660**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.016	0.0032	mg/Kg		06/02/21 14:50	06/03/21 14:23	1
PCB-1221	ND		0.016	0.0032	mg/Kg		06/02/21 14:50	06/03/21 14:23	1
PCB-1232	ND		0.016	0.0032	mg/Kg		06/02/21 14:50	06/03/21 14:23	1
PCB-1242	ND		0.016	0.0032	mg/Kg		06/02/21 14:50	06/03/21 14:23	1
PCB-1248	ND		0.016	0.0032	mg/Kg		06/02/21 14:50	06/03/21 14:23	1
PCB-1254	ND		0.016	0.0076	mg/Kg		06/02/21 14:50	06/03/21 14:23	1
PCB-1260	ND		0.016	0.0076	mg/Kg		06/02/21 14:50	06/03/21 14:23	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*95*		*60 - 154*	*06/02/21 14:50*	*06/03/21 14:23*	*1*
Tetrachloro-m-xylene	*97*		*60 - 154*	*06/02/21 14:50*	*06/03/21 14:23*	*1*
DCB Decachlorobiphenyl	*109*		*65 - 174*	*06/02/21 14:50*	*06/03/21 14:23*	*1*
DCB Decachlorobiphenyl	*106*		*65 - 174*	*06/02/21 14:50*	*06/03/21 14:23*	*1*

Lab Sample ID: LCS 480-583660/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 583822 — **Prep Batch: 583660**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1016	0.165	0.168		mg/Kg		102	51 - 185
PCB-1260	0.165	0.171		mg/Kg		104	61 - 184

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Tetrachloro-m-xylene	*97*		*60 - 154*
Tetrachloro-m-xylene	*99*		*60 - 154*
DCB Decachlorobiphenyl	*116*		*65 - 174*
DCB Decachlorobiphenyl	*113*		*65 - 174*

Lab Sample ID: 480-184692-4 MS — **Client Sample ID: SED20-17-1.5-2.1**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 583822 — **Prep Batch: 583660**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1016	ND		0.235	0.249		mg/Kg	☼	106	50 - 177
PCB-1260	ND		0.235	0.249		mg/Kg	☼	106	33 - 200

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Tetrachloro-m-xylene	*97*		*60 - 154*
Tetrachloro-m-xylene	*102*		*60 - 154*
DCB Decachlorobiphenyl	*99*		*65 - 174*
DCB Decachlorobiphenyl	*106*		*65 - 174*

Lab Sample ID: 480-184692-4 MSD — **Client Sample ID: SED20-17-1.5-2.1**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 583822 — **Prep Batch: 583660**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
PCB-1016	ND		0.236	0.244		mg/Kg	☼	104	50 - 177	2	50

Method: 8082A - Polychlorinated Biphenyls (PCBs) (GC) (Continued)

Lab Sample ID: 480-184692-4 MSD — **Client Sample ID: SED20-17-1.5-2.1**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 583822 — **Prep Batch: 583660**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
PCB-1260	ND		0.236	0.250		mg/Kg	☼	106	33 - 200	0	50

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Tetrachloro-m-xylene	*89*		*60 - 154*
Tetrachloro-m-xylene	*96*		*60 - 154*
DCB Decachlorobiphenyl	*92*		*65 - 174*
DCB Decachlorobiphenyl	*104*		*65 - 174*

Lab Sample ID: MB 480-583661/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 583816 — **Prep Batch: 583661**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.017	0.0032	mg/Kg		06/02/21 14:56	06/03/21 14:09	1
PCB-1221	ND		0.017	0.0032	mg/Kg		06/02/21 14:56	06/03/21 14:09	1
PCB-1232	ND		0.017	0.0032	mg/Kg		06/02/21 14:56	06/03/21 14:09	1
PCB-1242	ND		0.017	0.0032	mg/Kg		06/02/21 14:56	06/03/21 14:09	1
PCB-1248	ND		0.017	0.0032	mg/Kg		06/02/21 14:56	06/03/21 14:09	1
PCB-1254	ND		0.017	0.0078	mg/Kg		06/02/21 14:56	06/03/21 14:09	1
PCB-1260	ND		0.017	0.0078	mg/Kg		06/02/21 14:56	06/03/21 14:09	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*85*		*60 - 154*	*06/02/21 14:56*	*06/03/21 14:09*	*1*
Tetrachloro-m-xylene	*87*		*60 - 154*	*06/02/21 14:56*	*06/03/21 14:09*	*1*
DCB Decachlorobiphenyl	*99*		*65 - 174*	*06/02/21 14:56*	*06/03/21 14:09*	*1*
DCB Decachlorobiphenyl	*92*		*65 - 174*	*06/02/21 14:56*	*06/03/21 14:09*	*1*

Lab Sample ID: LCS 480-583661/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 583816 — **Prep Batch: 583661**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1016	0.164	0.147		mg/Kg		90	51 - 185
PCB-1260	0.164	0.151		mg/Kg		92	61 - 184

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Tetrachloro-m-xylene	*79*		*60 - 154*
Tetrachloro-m-xylene	*80*		*60 - 154*
DCB Decachlorobiphenyl	*95*		*65 - 174*
DCB Decachlorobiphenyl	*92*		*65 - 174*

Lab Sample ID: 480-184692-14 MS — **Client Sample ID: SED20-26-0.2-1.0**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 583816 — **Prep Batch: 583661**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1016	ND		0.232	0.212		mg/Kg	☼	91	50 - 177
PCB-1260	ND		0.232	0.215		mg/Kg	☼	93	33 - 200

Method: 8082A - Polychlorinated Biphenyls (PCBs) (GC) (Continued)

Surrogate	MS %Recovery	MS Qualifier	Limits
Tetrachloro-m-xylene	82		60 - 154
Tetrachloro-m-xylene	81		60 - 154
DCB Decachlorobiphenyl	97		65 - 174
DCB Decachlorobiphenyl	93		65 - 174

Lab Sample ID: 480-184692-14 MSD **Client Sample ID: SED20-26-0.2-1.0**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 583816 **Prep Batch: 583661**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
PCB-1016	ND		0.234	0.225		mg/Kg	☼	96	50 - 177	6	50
PCB-1260	ND		0.234	0.220		mg/Kg	☼	94	33 - 200	2	50

Surrogate	MSD %Recovery	MSD Qualifier	Limits
Tetrachloro-m-xylene	85		60 - 154
Tetrachloro-m-xylene	86		60 - 154
DCB Decachlorobiphenyl	99		65 - 174
DCB Decachlorobiphenyl	96		65 - 174

QC Association Summary

Client: O'Brien & Gere Inc of North America
Project/Site: RACER Massena Sampling

Job ID: 480-184692-1

GC Semi VOA

Prep Batch: 583660

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-184692-1	SED20-17-0-0.5	Total/NA	Solid	3550C	
480-184692-2	SED20-17-0.5-1.0	Total/NA	Solid	3550C	
480-184692-3	SED20-17-1.0-1.5	Total/NA	Solid	3550C	
480-184692-4	SED20-17-1.5-2.1	Total/NA	Solid	3550C	
480-184692-5	SED20-19-0-0.3	Total/NA	Solid	3550C	
480-184692-6	SED20-19-0.3-0.9	Total/NA	Solid	3550C	
480-184692-7	SED20-19-0.9-1.6	Total/NA	Solid	3550C	
480-184692-8	SED20-20-0-0.3	Total/NA	Solid	3550C	
480-184692-9	SED20-20-0.3-1.0	Total/NA	Solid	3550C	
480-184692-10	SS20-14-0-1	Total/NA	Solid	3550C	
480-184692-11	SS20-14-1-2	Total/NA	Solid	3550C	
480-184692-12	X-15	Total/NA	Solid	3550C	
480-184692-13	SED20-26-0-0.2	Total/NA	Solid	3550C	
480-184692-16	SED20-25-0-0.5	Total/NA	Solid	3550C	
480-184692-17	SED20-25-0.5-0.9	Total/NA	Solid	3550C	
480-184692-18	SED20-25-0.9-1.6	Total/NA	Solid	3550C	
480-184692-19	SED20-25-1.6-1.9	Total/NA	Solid	3550C	
480-184692-20	SED20-23-0-0.3	Total/NA	Solid	3550C	
480-184692-21	SED20-23-0.3-0.7	Total/NA	Solid	3550C	
480-184692-22	SED20-23-0.7-1.2	Total/NA	Solid	3550C	
MB 480-583660/1-A	Method Blank	Total/NA	Solid	3550C	
LCS 480-583660/2-A	Lab Control Sample	Total/NA	Solid	3550C	
480-184692-4 MS	SED20-17-1.5-2.1	Total/NA	Solid	3550C	
480-184692-4 MSD	SED20-17-1.5-2.1	Total/NA	Solid	3550C	

Prep Batch: 583661

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-184692-14	SED20-26-0.2-1.0	Total/NA	Solid	3550C	
480-184692-23	SED20-24-0-0.5	Total/NA	Solid	3550C	
480-184692-24	SED20-24-0.5-1.0	Total/NA	Solid	3550C	
480-184692-25	SED20-24-1.0-1.8	Total/NA	Solid	3550C	
480-184692-26	SED20-22-0-0.3	Total/NA	Solid	3550C	
480-184692-27	SED20-22-0.3-1.3	Total/NA	Solid	3550C	
480-184692-29	SED20-21-0-0.5	Total/NA	Solid	3550C	
480-184692-30	SED20-21-0.5-1.0	Total/NA	Solid	3550C	
480-184692-31	SED20-21-1.0-1.8	Total/NA	Solid	3550C	
480-184692-32	X-16	Total/NA	Solid	3550C	
MB 480-583661/1-A	Method Blank	Total/NA	Solid	3550C	
LCS 480-583661/2-A	Lab Control Sample	Total/NA	Solid	3550C	
480-184692-14 MS	SED20-26-0.2-1.0	Total/NA	Solid	3550C	
480-184692-14 MSD	SED20-26-0.2-1.0	Total/NA	Solid	3550C	

Analysis Batch: 583816

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-184692-14	SED20-26-0.2-1.0	Total/NA	Solid	8082A	583661
480-184692-23	SED20-24-0-0.5	Total/NA	Solid	8082A	583661
480-184692-24	SED20-24-0.5-1.0	Total/NA	Solid	8082A	583661
480-184692-25	SED20-24-1.0-1.8	Total/NA	Solid	8082A	583661
480-184692-26	SED20-22-0-0.3	Total/NA	Solid	8082A	583661
480-184692-27	SED20-22-0.3-1.3	Total/NA	Solid	8082A	583661
480-184692-29	SED20-21-0-0.5	Total/NA	Solid	8082A	583661

GC Semi VOA (Continued)

Analysis Batch: 583816 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-184692-30	SED20-21-0.5-1.0	Total/NA	Solid	8082A	583661
480-184692-31	SED20-21-1.0-1.8	Total/NA	Solid	8082A	583661
480-184692-32	X-16	Total/NA	Solid	8082A	583661
MB 480-583661/1-A	Method Blank	Total/NA	Solid	8082A	583661
LCS 480-583661/2-A	Lab Control Sample	Total/NA	Solid	8082A	583661
480-184692-14 MS	SED20-26-0.2-1.0	Total/NA	Solid	8082A	583661
480-184692-14 MSD	SED20-26-0.2-1.0	Total/NA	Solid	8082A	583661

Analysis Batch: 583822

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-184692-1	SED20-17-0-0.5	Total/NA	Solid	8082A	583660
480-184692-2	SED20-17-0.5-1.0	Total/NA	Solid	8082A	583660
480-184692-3	SED20-17-1.0-1.5	Total/NA	Solid	8082A	583660
480-184692-4	SED20-17-1.5-2.1	Total/NA	Solid	8082A	583660
480-184692-5	SED20-19-0-0.3	Total/NA	Solid	8082A	583660
480-184692-6	SED20-19-0.3-0.9	Total/NA	Solid	8082A	583660
480-184692-7	SED20-19-0.9-1.6	Total/NA	Solid	8082A	583660
480-184692-8	SED20-20-0-0.3	Total/NA	Solid	8082A	583660
480-184692-9	SED20-20-0.3-1.0	Total/NA	Solid	8082A	583660
480-184692-10	SS20-14-0-1	Total/NA	Solid	8082A	583660
480-184692-11	SS20-14-1-2	Total/NA	Solid	8082A	583660
480-184692-12	X-15	Total/NA	Solid	8082A	583660
480-184692-13	SED20-26-0-0.2	Total/NA	Solid	8082A	583660
480-184692-16	SED20-25-0-0.5	Total/NA	Solid	8082A	583660
480-184692-17	SED20-25-0.5-0.9	Total/NA	Solid	8082A	583660
480-184692-18	SED20-25-0.9-1.6	Total/NA	Solid	8082A	583660
480-184692-19	SED20-25-1.6-1.9	Total/NA	Solid	8082A	583660
480-184692-20	SED20-23-0-0.3	Total/NA	Solid	8082A	583660
480-184692-21	SED20-23-0.3-0.7	Total/NA	Solid	8082A	583660
480-184692-22	SED20-23-0.7-1.2	Total/NA	Solid	8082A	583660
MB 480-583660/1-A	Method Blank	Total/NA	Solid	8082A	583660
LCS 480-583660/2-A	Lab Control Sample	Total/NA	Solid	8082A	583660
480-184692-4 MS	SED20-17-1.5-2.1	Total/NA	Solid	8082A	583660
480-184692-4 MSD	SED20-17-1.5-2.1	Total/NA	Solid	8082A	583660

General Chemistry

Analysis Batch: 581079

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-184692-1	SED20-17-0-0.5	Total/NA	Solid	Moisture	
480-184692-2	SED20-17-0.5-1.0	Total/NA	Solid	Moisture	
480-184692-3	SED20-17-1.0-1.5	Total/NA	Solid	Moisture	
480-184692-4	SED20-17-1.5-2.1	Total/NA	Solid	Moisture	
480-184692-5	SED20-19-0-0.3	Total/NA	Solid	Moisture	
480-184692-6	SED20-19-0.3-0.9	Total/NA	Solid	Moisture	
480-184692-7	SED20-19-0.9-1.6	Total/NA	Solid	Moisture	
480-184692-8	SED20-20-0-0.3	Total/NA	Solid	Moisture	
480-184692-9	SED20-20-0.3-1.0	Total/NA	Solid	Moisture	
480-184692-10	SS20-14-0-1	Total/NA	Solid	Moisture	
480-184692-11	SS20-14-1-2	Total/NA	Solid	Moisture	
480-184692-12	X-15	Total/NA	Solid	Moisture	

General Chemistry (Continued)

Analysis Batch: 581079 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-184692-13	SED20-26-0-0.2	Total/NA	Solid	Moisture	
480-184692-14	SED20-26-0.2-1.0	Total/NA	Solid	Moisture	
480-184692-16	SED20-25-0-0.5	Total/NA	Solid	Moisture	
480-184692-17	SED20-25-0.5-0.9	Total/NA	Solid	Moisture	
480-184692-18	SED20-25-0.9-1.6	Total/NA	Solid	Moisture	
480-184692-19	SED20-25-1.6-1.9	Total/NA	Solid	Moisture	
480-184692-20	SED20-23-0-0.3	Total/NA	Solid	Moisture	
480-184692-21	SED20-23-0.3-0.7	Total/NA	Solid	Moisture	
480-184692-22	SED20-23-0.7-1.2	Total/NA	Solid	Moisture	
480-184692-23	SED20-24-0-0.5	Total/NA	Solid	Moisture	
480-184692-24	SED20-24-0.5-1.0	Total/NA	Solid	Moisture	
480-184692-25	SED20-24-1.0-1.8	Total/NA	Solid	Moisture	
480-184692-26	SED20-22-0-0.3	Total/NA	Solid	Moisture	
480-184692-27	SED20-22-0.3-1.3	Total/NA	Solid	Moisture	
480-184692-29	SED20-21-0-0.5	Total/NA	Solid	Moisture	
480-184692-30	SED20-21-0.5-1.0	Total/NA	Solid	Moisture	
480-184692-31	SED20-21-1.0-1.8	Total/NA	Solid	Moisture	
480-184692-32	X-16	Total/NA	Solid	Moisture	
480-184692-4 MS	SED20-17-1.5-2.1	Total/NA	Solid	Moisture	
480-184692-4 MSD	SED20-17-1.5-2.1	Total/NA	Solid	Moisture	
480-184692-14 MS	SED20-26-0.2-1.0	Total/NA	Solid	Moisture	
480-184692-14 MSD	SED20-26-0.2-1.0	Total/NA	Solid	Moisture	

Lab Chronicle

Client: O'Brien & Gere Inc of North America
Project/Site: RACER Massena Sampling

Job ID: 480-184692-1

Client Sample ID: SED20-17-0-0.5 — Lab Sample ID: 480-184692-1

Date Collected: 05/12/21 14:40 — **Matrix: Solid**
Date Received: 05/14/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	581079	05/15/21 00:32	SRW	TAL BUF

Client Sample ID: SED20-17-0-0.5 — Lab Sample ID: 480-184692-1

Date Collected: 05/12/21 14:40 — **Matrix: Solid**
Date Received: 05/14/21 10:00 — **Percent Solids: 29.5**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			583660	06/02/21 14:50	ATG	TAL BUF
Total/NA	Analysis	8082A		1	583822	06/03/21 15:28	W1T	TAL BUF

Client Sample ID: SED20-17-0.5-1.0 — Lab Sample ID: 480-184692-2

Date Collected: 05/12/21 14:45 — **Matrix: Solid**
Date Received: 05/14/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	581079	05/15/21 00:32	SRW	TAL BUF

Client Sample ID: SED20-17-0.5-1.0 — Lab Sample ID: 480-184692-2

Date Collected: 05/12/21 14:45 — **Matrix: Solid**
Date Received: 05/14/21 10:00 — **Percent Solids: 62.1**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			583660	06/02/21 14:50	ATG	TAL BUF
Total/NA	Analysis	8082A		1	583822	06/03/21 15:40	W1T	TAL BUF

Client Sample ID: SED20-17-1.0-1.5 — Lab Sample ID: 480-184692-3

Date Collected: 05/12/21 14:52 — **Matrix: Solid**
Date Received: 05/14/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	581079	05/15/21 00:32	SRW	TAL BUF

Client Sample ID: SED20-17-1.0-1.5 — Lab Sample ID: 480-184692-3

Date Collected: 05/12/21 14:52 — **Matrix: Solid**
Date Received: 05/14/21 10:00 — **Percent Solids: 71.8**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			583660	06/02/21 14:50	ATG	TAL BUF
Total/NA	Analysis	8082A		1	583822	06/03/21 15:53	W1T	TAL BUF

Client Sample ID: SED20-17-1.5-2.1 — Lab Sample ID: 480-184692-4

Date Collected: 05/12/21 14:58 — **Matrix: Solid**
Date Received: 05/14/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	581079	05/15/21 00:32	SRW	TAL BUF

Lab Chronicle

Client: O'Brien & Gere Inc of North America
Project/Site: RACER Massena Sampling

Job ID: 480-184692-1

Client Sample ID: SED20-17-1.5-2.1 — Lab Sample ID: 480-184692-4

Date Collected: 05/12/21 14:58 — **Matrix: Solid**
Date Received: 05/14/21 10:00 — **Percent Solids: 69.3**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			583660	06/02/21 14:50	ATG	TAL BUF
Total/NA	Analysis	8082A		1	583822	06/03/21 15:15	W1T	TAL BUF

Client Sample ID: SED20-19-0-0.3 — Lab Sample ID: 480-184692-5

Date Collected: 05/12/21 15:43 — **Matrix: Solid**
Date Received: 05/14/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	581079	05/15/21 00:32	SRW	TAL BUF

Client Sample ID: SED20-19-0-0.3 — Lab Sample ID: 480-184692-5

Date Collected: 05/12/21 15:43 — **Matrix: Solid**
Date Received: 05/14/21 10:00 — **Percent Solids: 32.2**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			583660	06/02/21 14:50	ATG	TAL BUF
Total/NA	Analysis	8082A		1	583822	06/03/21 16:06	W1T	TAL BUF

Client Sample ID: SED20-19-0.3-0.9 — Lab Sample ID: 480-184692-6

Date Collected: 05/12/21 15:50 — **Matrix: Solid**
Date Received: 05/14/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	581079	05/15/21 00:32	SRW	TAL BUF

Client Sample ID: SED20-19-0.3-0.9 — Lab Sample ID: 480-184692-6

Date Collected: 05/12/21 15:50 — **Matrix: Solid**
Date Received: 05/14/21 10:00 — **Percent Solids: 68.7**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			583660	06/02/21 14:50	ATG	TAL BUF
Total/NA	Analysis	8082A		1	583822	06/03/21 16:19	W1T	TAL BUF

Client Sample ID: SED20-19-0.9-1.6 — Lab Sample ID: 480-184692-7

Date Collected: 05/12/21 15:55 — **Matrix: Solid**
Date Received: 05/14/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	581079	05/15/21 00:32	SRW	TAL BUF

Lab Chronicle

Client: O'Brien & Gere Inc of North America
Project/Site: RACER Massena Sampling

Job ID: 480-184692-1

Client Sample ID: SED20-19-0.9-1.6

Lab Sample ID: 480-184692-7
Date Collected: 05/12/21 15:55
Matrix: Solid
Date Received: 05/14/21 10:00
Percent Solids: 78.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			583660	06/02/21 14:50	ATG	TAL BUF
Total/NA	Analysis	8082A		1	583822	06/03/21 16:32	W1T	TAL BUF

Client Sample ID: SED20-20-0-0.3

Lab Sample ID: 480-184692-8
Date Collected: 05/12/21 16:06
Matrix: Solid
Date Received: 05/14/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	581079	05/15/21 00:32	SRW	TAL BUF

Client Sample ID: SED20-20-0-0.3

Lab Sample ID: 480-184692-8
Date Collected: 05/12/21 16:06
Matrix: Solid
Date Received: 05/14/21 10:00
Percent Solids: 49.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			583660	06/02/21 14:50	ATG	TAL BUF
Total/NA	Analysis	8082A		1	583822	06/03/21 16:45	W1T	TAL BUF

Client Sample ID: SED20-20-0.3-1.0

Lab Sample ID: 480-184692-9
Date Collected: 05/12/21 16:10
Matrix: Solid
Date Received: 05/14/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	581079	05/15/21 00:32	SRW	TAL BUF

Client Sample ID: SED20-20-0.3-1.0

Lab Sample ID: 480-184692-9
Date Collected: 05/12/21 16:10
Matrix: Solid
Date Received: 05/14/21 10:00
Percent Solids: 69.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			583660	06/02/21 14:50	ATG	TAL BUF
Total/NA	Analysis	8082A		1	583822	06/03/21 16:57	W1T	TAL BUF

Client Sample ID: SS20-14-0-1

Lab Sample ID: 480-184692-10
Date Collected: 05/12/21 16:40
Matrix: Solid
Date Received: 05/14/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	581079	05/15/21 00:32	SRW	TAL BUF

Lab Chronicle

Client: O'Brien & Gere Inc of North America
Project/Site: RACER Massena Sampling

Job ID: 480-184692-1

Client Sample ID: SS20-14-0-1 — Lab Sample ID: 480-184692-10

Date Collected: 05/12/21 16:40 — **Matrix: Solid**
Date Received: 05/14/21 10:00 — **Percent Solids: 50.6**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			583660	06/02/21 14:50	ATG	TAL BUF
Total/NA	Analysis	8082A		1	583822	06/03/21 17:10	W1T	TAL BUF

Client Sample ID: SS20-14-1-2 — Lab Sample ID: 480-184692-11

Date Collected: 05/12/21 16:50 — **Matrix: Solid**
Date Received: 05/14/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	581079	05/15/21 00:32	SRW	TAL BUF

Client Sample ID: SS20-14-1-2 — Lab Sample ID: 480-184692-11

Date Collected: 05/12/21 16:50 — **Matrix: Solid**
Date Received: 05/14/21 10:00 — **Percent Solids: 69.5**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			583660	06/02/21 14:50	ATG	TAL BUF
Total/NA	Analysis	8082A		1	583822	06/03/21 17:23	W1T	TAL BUF

Client Sample ID: X-15 — Lab Sample ID: 480-184692-12

Date Collected: 05/12/21 00:00 — **Matrix: Solid**
Date Received: 05/14/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	581079	05/15/21 00:32	SRW	TAL BUF

Client Sample ID: X-15 — Lab Sample ID: 480-184692-12

Date Collected: 05/12/21 00:00 — **Matrix: Solid**
Date Received: 05/14/21 10:00 — **Percent Solids: 74.1**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			583660	06/02/21 14:50	ATG	TAL BUF
Total/NA	Analysis	8082A		1	583822	06/03/21 17:36	W1T	TAL BUF

Client Sample ID: SED20-26-0-0.2 — Lab Sample ID: 480-184692-13

Date Collected: 05/13/21 09:15 — **Matrix: Solid**
Date Received: 05/14/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	581079	05/15/21 00:32	SRW	TAL BUF

Lab Chronicle

Client: O'Brien & Gere Inc of North America
Project/Site: RACER Massena Sampling

Job ID: 480-184692-1

Client Sample ID: SED20-26-0-0.2 — Lab Sample ID: 480-184692-13

Date Collected: 05/13/21 09:15 — **Matrix: Solid**
Date Received: 05/14/21 10:00 — **Percent Solids: 28.8**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			583660	06/02/21 14:50	ATG	TAL BUF
Total/NA	Analysis	8082A		1	583822	06/03/21 17:49	W1T	TAL BUF

Client Sample ID: SED20-26-0.2-1.0 — Lab Sample ID: 480-184692-14

Date Collected: 05/13/21 09:20 — **Matrix: Solid**
Date Received: 05/14/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	581079	05/15/21 00:32	SRW	TAL BUF

Client Sample ID: SED20-26-0.2-1.0 — Lab Sample ID: 480-184692-14

Date Collected: 05/13/21 09:20 — **Matrix: Solid**
Date Received: 05/14/21 10:00 — **Percent Solids: 69.7**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			583661	06/02/21 14:56	ATG	TAL BUF
Total/NA	Analysis	8082A		1	583816	06/03/21 15:26	NC	TAL BUF

Client Sample ID: SED20-25-0-0.5 — Lab Sample ID: 480-184692-16

Date Collected: 05/13/21 09:58 — **Matrix: Solid**
Date Received: 05/14/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	581079	05/15/21 00:32	SRW	TAL BUF

Client Sample ID: SED20-25-0-0.5 — Lab Sample ID: 480-184692-16

Date Collected: 05/13/21 09:58 — **Matrix: Solid**
Date Received: 05/14/21 10:00 — **Percent Solids: 51.7**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			583660	06/02/21 14:50	ATG	TAL BUF
Total/NA	Analysis	8082A		1	583822	06/03/21 18:02	W1T	TAL BUF

Client Sample ID: SED20-25-0.5-0.9 — Lab Sample ID: 480-184692-17

Date Collected: 05/13/21 10:02 — **Matrix: Solid**
Date Received: 05/14/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	581079	05/15/21 00:32	SRW	TAL BUF

Lab Chronicle

Client: O'Brien & Gere Inc of North America
Project/Site: RACER Massena Sampling

Job ID: 480-184692-1

Client Sample ID: SED20-25-0.5-0.9 — Lab Sample ID: 480-184692-17

Date Collected: 05/13/21 10:02 — **Matrix: Solid**
Date Received: 05/14/21 10:00 — **Percent Solids: 69.9**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			583660	06/02/21 14:50	ATG	TAL BUF
Total/NA	Analysis	8082A		1	583822	06/03/21 18:15	W1T	TAL BUF

Client Sample ID: SED20-25-0.9-1.6 — Lab Sample ID: 480-184692-18

Date Collected: 05/13/21 10:06 — **Matrix: Solid**
Date Received: 05/14/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	581079	05/15/21 00:32	SRW	TAL BUF

Client Sample ID: SED20-25-0.9-1.6 — Lab Sample ID: 480-184692-18

Date Collected: 05/13/21 10:06 — **Matrix: Solid**
Date Received: 05/14/21 10:00 — **Percent Solids: 81.3**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			583660	06/02/21 14:50	ATG	TAL BUF
Total/NA	Analysis	8082A		1	583822	06/03/21 18:27	W1T	TAL BUF

Client Sample ID: SED20-25-1.6-1.9 — Lab Sample ID: 480-184692-19

Date Collected: 05/13/21 10:10 — **Matrix: Solid**
Date Received: 05/14/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	581079	05/15/21 00:32	SRW	TAL BUF

Client Sample ID: SED20-25-1.6-1.9 — Lab Sample ID: 480-184692-19

Date Collected: 05/13/21 10:10 — **Matrix: Solid**
Date Received: 05/14/21 10:00 — **Percent Solids: 80.2**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			583660	06/02/21 14:50	ATG	TAL BUF
Total/NA	Analysis	8082A		1	583822	06/03/21 19:06	W1T	TAL BUF

Client Sample ID: SED20-23-0-0.3 — Lab Sample ID: 480-184692-20

Date Collected: 05/13/21 10:52 — **Matrix: Solid**
Date Received: 05/14/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	581079	05/15/21 00:32	SRW	TAL BUF

Lab Chronicle

Client: O'Brien & Gere Inc of North America
Project/Site: RACER Massena Sampling

Job ID: 480-184692-1

Client Sample ID: SED20-23-0-0.3 — Lab Sample ID: 480-184692-20

Date Collected: 05/13/21 10:52 — **Matrix: Solid**
Date Received: 05/14/21 10:00 — **Percent Solids: 52.9**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			583660	06/02/21 14:50	ATG	TAL BUF
Total/NA	Analysis	8082A		1	583822	06/03/21 19:19	W1T	TAL BUF

Client Sample ID: SED20-23-0.3-0.7 — Lab Sample ID: 480-184692-21

Date Collected: 05/13/21 10:55 — **Matrix: Solid**
Date Received: 05/14/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	581079	05/15/21 00:32	SRW	TAL BUF

Client Sample ID: SED20-23-0.3-0.7 — Lab Sample ID: 480-184692-21

Date Collected: 05/13/21 10:55 — **Matrix: Solid**
Date Received: 05/14/21 10:00 — **Percent Solids: 76.2**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			583660	06/02/21 14:50	ATG	TAL BUF
Total/NA	Analysis	8082A		1	583822	06/03/21 19:32	W1T	TAL BUF

Client Sample ID: SED20-23-0.7-1.2 — Lab Sample ID: 480-184692-22

Date Collected: 05/13/21 11:00 — **Matrix: Solid**
Date Received: 05/14/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	581079	05/15/21 00:32	SRW	TAL BUF

Client Sample ID: SED20-23-0.7-1.2 — Lab Sample ID: 480-184692-22

Date Collected: 05/13/21 11:00 — **Matrix: Solid**
Date Received: 05/14/21 10:00 — **Percent Solids: 82.2**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			583660	06/02/21 14:50	ATG	TAL BUF
Total/NA	Analysis	8082A		1	583822	06/03/21 19:44	W1T	TAL BUF

Client Sample ID: SED20-24-0-0.5 — Lab Sample ID: 480-184692-23

Date Collected: 05/13/21 11:14 — **Matrix: Solid**
Date Received: 05/14/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	581079	05/15/21 00:32	SRW	TAL BUF

Lab Chronicle

Client: O'Brien & Gere Inc of North America
Project/Site: RACER Massena Sampling

Job ID: 480-184692-1

Client Sample ID: SED20-24-0-0.5 — Lab Sample ID: 480-184692-23

Date Collected: 05/13/21 11:14 — **Matrix: Solid**
Date Received: 05/14/21 10:00 — **Percent Solids: 57.1**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			583661	06/02/21 14:56	ATG	TAL BUF
Total/NA	Analysis	8082A		1	583816	06/03/21 17:20	NC	TAL BUF

Client Sample ID: SED20-24-0.5-1.0 — Lab Sample ID: 480-184692-24

Date Collected: 05/13/21 11:19 — **Matrix: Solid**
Date Received: 05/14/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	581079	05/15/21 00:32	SRW	TAL BUF

Client Sample ID: SED20-24-0.5-1.0 — Lab Sample ID: 480-184692-24

Date Collected: 05/13/21 11:19 — **Matrix: Solid**
Date Received: 05/14/21 10:00 — **Percent Solids: 76.9**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			583661	06/02/21 14:56	ATG	TAL BUF
Total/NA	Analysis	8082A		1	583816	06/03/21 17:33	NC	TAL BUF

Client Sample ID: SED20-24-1.0-1.8 — Lab Sample ID: 480-184692-25

Date Collected: 05/13/21 11:23 — **Matrix: Solid**
Date Received: 05/14/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	581079	05/15/21 00:32	SRW	TAL BUF

Client Sample ID: SED20-24-1.0-1.8 — Lab Sample ID: 480-184692-25

Date Collected: 05/13/21 11:23 — **Matrix: Solid**
Date Received: 05/14/21 10:00 — **Percent Solids: 75.1**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			583661	06/02/21 14:56	ATG	TAL BUF
Total/NA	Analysis	8082A		1	583816	06/03/21 17:46	NC	TAL BUF

Client Sample ID: SED20-22-0-0.3 — Lab Sample ID: 480-184692-26

Date Collected: 05/13/21 11:30 — **Matrix: Solid**
Date Received: 05/14/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	581079	05/15/21 00:32	SRW	TAL BUF

Lab Chronicle

Client: O'Brien & Gere Inc of North America
Project/Site: RACER Massena Sampling

Job ID: 480-184692-1

Client Sample ID: SED20-22-0-0.3 — Lab Sample ID: 480-184692-26

Date Collected: 05/13/21 11:30 — **Matrix: Solid**
Date Received: 05/14/21 10:00 — **Percent Solids: 65.5**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			583661	06/02/21 14:56	ATG	TAL BUF
Total/NA	Analysis	8082A		1	583816	06/03/21 17:58	NC	TAL BUF

Client Sample ID: SED20-22-0.3-1.3 — Lab Sample ID: 480-184692-27

Date Collected: 05/13/21 11:36 — **Matrix: Solid**
Date Received: 05/14/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	581079	05/15/21 00:32	SRW	TAL BUF

Client Sample ID: SED20-22-0.3-1.3 — Lab Sample ID: 480-184692-27

Date Collected: 05/13/21 11:36 — **Matrix: Solid**
Date Received: 05/14/21 10:00 — **Percent Solids: 79.1**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			583661	06/02/21 14:56	ATG	TAL BUF
Total/NA	Analysis	8082A		1	583816	06/03/21 18:11	NC	TAL BUF

Client Sample ID: SED20-21-0-0.5 — Lab Sample ID: 480-184692-29

Date Collected: 05/13/21 11:46 — **Matrix: Solid**
Date Received: 05/14/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	581079	05/15/21 00:32	SRW	TAL BUF

Client Sample ID: SED20-21-0-0.5 — Lab Sample ID: 480-184692-29

Date Collected: 05/13/21 11:46 — **Matrix: Solid**
Date Received: 05/14/21 10:00 — **Percent Solids: 62.3**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			583661	06/02/21 14:56	ATG	TAL BUF
Total/NA	Analysis	8082A		1	583816	06/03/21 18:49	NC	TAL BUF

Client Sample ID: SED20-21-0.5-1.0 — Lab Sample ID: 480-184692-30

Date Collected: 05/13/21 11:48 — **Matrix: Solid**
Date Received: 05/14/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	581079	05/15/21 00:32	SRW	TAL BUF

Lab Chronicle

Client: O'Brien & Gere Inc of North America
Project/Site: RACER Massena Sampling

Job ID: 480-184692-1

Client Sample ID: SED20-21-0.5-1.0 — Lab Sample ID: 480-184692-30

Date Collected: 05/13/21 11:48 — **Matrix: Solid**
Date Received: 05/14/21 10:00 — **Percent Solids: 72.6**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			583661	06/02/21 14:56	ATG	TAL BUF
Total/NA	Analysis	8082A		1	583816	06/03/21 19:02	NC	TAL BUF

Client Sample ID: SED20-21-1.0-1.8 — Lab Sample ID: 480-184692-31

Date Collected: 05/13/21 11:52 — **Matrix: Solid**
Date Received: 05/14/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	581079	05/15/21 00:32	SRW	TAL BUF

Client Sample ID: SED20-21-1.0-1.8 — Lab Sample ID: 480-184692-31

Date Collected: 05/13/21 11:52 — **Matrix: Solid**
Date Received: 05/14/21 10:00 — **Percent Solids: 76.9**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			583661	06/02/21 14:56	ATG	TAL BUF
Total/NA	Analysis	8082A		1	583816	06/03/21 19:15	NC	TAL BUF

Client Sample ID: X-16 — Lab Sample ID: 480-184692-32

Date Collected: 05/13/21 00:00 — **Matrix: Solid**
Date Received: 05/14/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	581079	05/15/21 00:32	SRW	TAL BUF

Client Sample ID: X-16 — Lab Sample ID: 480-184692-32

Date Collected: 05/13/21 00:00 — **Matrix: Solid**
Date Received: 05/14/21 10:00 — **Percent Solids: 83.7**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			583661	06/02/21 14:56	ATG	TAL BUF
Total/NA	Analysis	8082A		1	583816	06/03/21 19:28	NC	TAL BUF

Laboratory References:

TAL BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Accreditation/Certification Summary

Client: O'Brien & Gere Inc of North America
Project/Site: RACER Massena Sampling

Job ID: 480-184692-1

Laboratory: Eurofins TestAmerica, Buffalo

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	04-01-22

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

Method Summary

Client: O'Brien & Gere Inc of North America
Project/Site: RACER Massena Sampling

Job ID: 480-184692-1

Method	Method Description	Protocol	Laboratory
8082A	Polychlorinated Biphenyls (PCBs) (GC)	SW846	TAL BUF
Moisture	Percent Moisture	EPA	TAL BUF
3550C	Ultrasonic Extraction	SW846	TAL BUF

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Sample Summary

Client: O'Brien & Gere Inc of North America
Project/Site: RACER Massena Sampling

Job ID: 480-184692-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
480-184692-1	SED20-17-0-0.5	Solid	05/12/21 14:40	05/14/21 10:00	
480-184692-2	SED20-17-0.5-1.0	Solid	05/12/21 14:45	05/14/21 10:00	
480-184692-3	SED20-17-1.0-1.5	Solid	05/12/21 14:52	05/14/21 10:00	
480-184692-4	SED20-17-1.5-2.1	Solid	05/12/21 14:58	05/14/21 10:00	
480-184692-5	SED20-19-0-0.3	Solid	05/12/21 15:43	05/14/21 10:00	
480-184692-6	SED20-19-0.3-0.9	Solid	05/12/21 15:50	05/14/21 10:00	
480-184692-7	SED20-19-0.9-1.6	Solid	05/12/21 15:55	05/14/21 10:00	
480-184692-8	SED20-20-0-0.3	Solid	05/12/21 16:06	05/14/21 10:00	
480-184692-9	SED20-20-0.3-1.0	Solid	05/12/21 16:10	05/14/21 10:00	
480-184692-10	SS20-14-0-1	Solid	05/12/21 16:40	05/14/21 10:00	
480-184692-11	SS20-14-1-2	Solid	05/12/21 16:50	05/14/21 10:00	
480-184692-12	X-15	Solid	05/12/21 00:00	05/14/21 10:00	
480-184692-13	SED20-26-0-0.2	Solid	05/13/21 09:15	05/14/21 10:00	
480-184692-14	SED20-26-0.2-1.0	Solid	05/13/21 09:20	05/14/21 10:00	
480-184692-16	SED20-25-0-0.5	Solid	05/13/21 09:58	05/14/21 10:00	
480-184692-17	SED20-25-0.5-0.9	Solid	05/13/21 10:02	05/14/21 10:00	
480-184692-18	SED20-25-0.9-1.6	Solid	05/13/21 10:06	05/14/21 10:00	
480-184692-19	SED20-25-1.6-1.9	Solid	05/13/21 10:10	05/14/21 10:00	
480-184692-20	SED20-23-0-0.3	Solid	05/13/21 10:52	05/14/21 10:00	
480-184692-21	SED20-23-0.3-0.7	Solid	05/13/21 10:55	05/14/21 10:00	
480-184692-22	SED20-23-0.7-1.2	Solid	05/13/21 11:00	05/14/21 10:00	
480-184692-23	SED20-24-0-0.5	Solid	05/13/21 11:14	05/14/21 10:00	
480-184692-24	SED20-24-0.5-1.0	Solid	05/13/21 11:19	05/14/21 10:00	
480-184692-25	SED20-24-1.0-1.8	Solid	05/13/21 11:23	05/14/21 10:00	
480-184692-26	SED20-22-0-0.3	Solid	05/13/21 11:30	05/14/21 10:00	
480-184692-27	SED20-22-0.3-1.3	Solid	05/13/21 11:36	05/14/21 10:00	
480-184692-29	SED20-21-0-0.5	Solid	05/13/21 11:46	05/14/21 10:00	
480-184692-30	SED20-21-0.5-1.0	Solid	05/13/21 11:48	05/14/21 10:00	
480-184692-31	SED20-21-1.0-1.8	Solid	05/13/21 11:52	05/14/21 10:00	
480-184692-32	X-16	Solid	05/13/21 00:00	05/14/21 10:00	

Eurofins TestAmerica, Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone: 716-691-2600 Fax: 716-691-7991

Chain of Custody Record

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Client Information	Sampler: RPC, EDA	Lab PM: Schove, John R	Carrier Tracking No(s): Syracuse	COC No: 480-159369-35069.1
Client Contact: Mr. Daniel Kahn	Phone: 315-264-7797	E-Mail: John.Schove@Eurofinset.com	State of Origin: NY #225	Page: Page 1 of ~~48~~ 3
Company: O'Brien & Gere Inc of North America	PWSID:			Job #:
Address: 333 West Washington St. PO BOX 4873	Due Date Requested:			
City: East Syracuse	TAT Requested (days):			
State, Zip: NY, 13221	Compliance Project: Δ Yes Δ No			
Phone: 315-956-6459(Tel)	PO #: Purchase Order Requested			
Email: daniel.kahn@ramboll.com	WO #:			
Project Name: RACER Massena Sampling	Project #: 48016264			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, M - Hexane, N - None, O - AsNaO2, P - Na2O4S

480-184692 Chain of Custody

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8082A - TCL PCBs	9066 - Phenolics, Total Recoverable	8260C - TCL VOCs	Total Number of	Special Instructions/Note:
			Preservation Code:				N	N	N		
SED20-17-0-0.5	5/12/21	1440	C	Solid			X				8082A-LL
SED20-17-0.5-1.0		1445		Solid			X				
SED20-17-1.0-1.5		1452		Solid			X				
SED20-17-1.5-2.1		1458		Solid		X	X				MS/MSD
SED20-19-0-0.3		1543		Solid			X				
SED20-19-0.3-0.9		1550		Solid			X				
SED20-19-0.9-1.6		1555		Solid			X				
SED20-20-0-0.3		1606		Solid			X				
SED20-20-0.3-1.0		1610		Solid			X				
SS20-14-0-1		1640		Solid			X				
SS20-14-1-2		1650		Solid			X				

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:		Method of Shipment:	
Relinquished by: Ellen Cherry	Date/Time: 5/13/21 1400	Company: Ramboll	Received by: C Wallace	Date/Time: 5/14/21 1000	Company: TAB
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks: #1 3.5

Ver: 11/01/2020

Eurofins TestAmerica, Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone: 716-691-2600 Fax: 716-691-7991

Chain of Custody Record

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Client Information

Client Contact: Mr. Daniel Kahn
Company: O'Brien & Gere Inc of North America
Address: 333 West Washington St. PO BOX 4873
City: East Syracuse
State, Zip: NY, 13221
Phone: 315-956-6459(Tel)
Email: daniel.kahn@ramboll.com
Project Name: RACER Massena Sampling
Site:

Sampler: RPC, EDA
Phone: 315-264-7797
PWSID:
Due Date Requested:
TAT Requested (days):
Compliance Project: Δ Yes Δ No
PO #: Purchase Order Requested
WO #:
Project #: 48016264
SSOW#:

Lab PM: Schove, John R
E-Mail: John.Schove@Eurofinset.com
Lab Sampling Site: Syracuse
State of Origin: #225 NY

COC No: 480-159369-35069.7
Page: Page 2 of ~~48~~ 3
Job #:

Analysis Requested

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8082A - TCL PCBs LL	9066 - Phenolics, Total Recoverable	8260C - TCL VOCs	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N		
X-15	5/12/21	–	C	Solid			X				8082A-LL
SED20-26-0-0.2	5/13/21	0915		Solid			X				
SED20-26-0.2-1.0		0920		Solid		X	X				MS/MSD
SED20-26-1.0-1.4		0926		Solid			X				HOLD
SED20-25-0-0.5		0958		Solid			X				
SED20-25-0.5-0.9		1002		Solid			X				
SED20-25-0.9-1.6		1006		Solid			X				
SED20-25-1.6-1.9		1010		Solid			X				
SED20-23-0-0.3		1052		Solid			X				
SED20-23-0.3-0.7		1055		Solid			X				
SED20-23-0.7-1.2		1100		Solid			X				

Preservation Codes:

A - HCL
B - NaOH
C - Zn Acetate
D - Nitric Acid
E - NaHSO4
F - MeOH
G - Amchlor
H - Ascorbic Acid
I - Ice
J - DI Water
K - EDTA
L - EDA
M - Hexane
N - None
O - AsNaO2
P - Na2O4S
Q - Na2SO3
R - Na2S2O3
S - H2SO4
T - TSP Dodecahydrate
U - Acetone
V - MCAA
W - pH 4-5
Z - other (specify)

Other:

Possible Hazard Identification
☐ *Non-Hazard* ☐ *Flammable* ☐ *Skin Irritant* ☐ *Poison B* ☐ *Unknown* ☐ *Radiological*

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by: | Date: | Time: | Method of Shipment:

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
Ellen Arzy	5/13/21 1400	Ramboll	Caitlin	5/14/21 1000	TAS

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks:

Ver: 11/01/2020

Eurofins TestAmerica, Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone: 716-691-2600 Fax: 716-691-7991

Chain of Custody Record

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Client Information

Client Contact: Mr. Daniel Kahn
Company: O'Brien & Gere Inc of North America
Address: 333 West Washington St. PO BOX 4873
City: East Syracuse
State, Zip: NY, 13221
Phone: 315-956-6459(Tel)
Email: daniel.kahn@ramboll.com
Project Name: RACER Massena Sampling
Site:

Sampler: RPC, EDA
Phone: 315-264-7797
PWSID:
Due Date Requested:
TAT Requested (days):
Compliance Project: Δ Yes Δ No
PO #: Purchase Order Requested
WO #:
Project #: 48016264
SSOW#:

Lab PM: Schove, John R
E-Mail: John.Schove@Eurofinset.com
Sample Tracking Note: Syracuse #225
State of Origin: NY

COC No: 480-159369-35069.17
Page: Page 3 of 3
Job #:

Analysis Requested

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA
M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)
Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8082A - TCL PCBs LL	9066 - Phenolics, Total Recoverable	8260C - TCL VOCs	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N		
SED20-24-0-0.5	5/13/21	1114	C	Solid			X				8082A-LL
SED20-24-0.5-1.0		1119		Solid			X				
SED20-24-1.0-1.8		1123		Solid			X				
SED20-22-0-0.3		1130		Solid			X				
SED20-22-0.3-1.3		1136		Solid			X				
SED20-22-1.3-1.5		1138		Solid			X				HOLD
SED20-21-0-0.5		1146		Solid			X				
SED20-21-0.5-1.0		1148		Solid			X				
SED20-21-1.0-1.8		1152		Solid			X				
X-16		—		Solid			X				
				Solid							

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by: | Date: | Time: | Method of Shipment:

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
Ellen Cay	5/13/21 1400	Ramboll	C Walline	5/14/21 1000	TAS

Custody Seals Intact: Δ Yes Δ No
Custody Seal No.:
Cooler Temperature(s) °C and Other Remarks:

Ver: 11/01/2020

Login Sample Receipt Checklist

Client: O'Brien & Gere Inc of North America

Job Number: 480-184692-1

Login Number: 184692

List Source: Eurofins TestAmerica, Buffalo

List Number: 1

Creator: Kolb, Chris M

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	N/A	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	RAMBOLL
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	

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ANALYTICAL REPORT

Eurofins TestAmerica, Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Tel: (716)691-2600

Laboratory Job ID: 480-184827-1
Client Project/Site: RACER Massena Sampling

For:
O'Brien & Gere Inc of North America
333 West Washington St.
PO BOX 4873
East Syracuse, New York 13221

Attn: Mr. Daniel Kahn

Authorized for release by:
6/9/2021 12:41:52 PM
Rebecca Jones, Project Management Assistant I
Rebecca.Jones@Eurofinset.com

Designee for

John Schove, Project Manager II
(716)504-9838
John.Schove@Eurofinset.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

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The test results in this report meet all 2003 NELAC, 2009 TNI, and 2016 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

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

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Definitions/Glossary

Client: O'Brien & Gere Inc of North America
Project/Site: RACER Massena Sampling

Job ID: 480-184827-1

Qualifiers

GC Semi VOA

Qualifier	Qualifier Description
F2	MS/MSD RPD exceeds control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job ID: 480-184827-1

Laboratory: Eurofins TestAmerica, Buffalo

Narrative

Job Narrative
480-184827-1

Comments
No additional comments.

Receipt
The samples were received on 5/17/2021 10:00 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 6.9º C.

GC Semi VOA
Method 8082A: The following sample appears to contain polychlorinated biphenyls (PCBs); however, due to weathering or other environmental processes, the PCBs in the sample do not closely match any of the laboratory's Aroclor standards used for instrument calibration: X-17 (480-184827-8). The sample(s) has been quantified and reported as Aroclor PCB-1248. Due to the poor match with the Aroclor standard(s), there is increased qualitative and quantitative uncertainty associated with this result.

Method 8082A: The matrix spike / matrix spike duplicate (MS/MSD) precision for preparation batch 480-584300 and analytical batch 480-584442 was outside control limits. Sample non-homogeneity is suspected.

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

Organic Prep
Method 3550C: Due to the matrix, the initial volume(s) used for the following sample deviated from the standard procedure: SED20-41 (480-184827-1). The reporting limits (RLs) have been adjusted proportionately.

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

Detection Summary

Client: O'Brien & Gere Inc of North America
Project/Site: RACER Massena Sampling

Job ID: 480-184827-1

Client Sample ID: SED20-41 — Lab Sample ID: 480-184827-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1248	0.22		0.13	0.025	mg/Kg	1	☼	8082A	Total/NA

Client Sample ID: SED20-01-0-1 — Lab Sample ID: 480-184827-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1248	0.023	J	0.025	0.0048	mg/Kg	1	☼	8082A	Total/NA

Client Sample ID: SED20-01-1-2 — Lab Sample ID: 480-184827-3

No Detections.

Client Sample ID: SED20-02-0-1 — Lab Sample ID: 480-184827-4

No Detections.

Client Sample ID: SED20-02-1-2 — Lab Sample ID: 480-184827-5

No Detections.

Client Sample ID: SED20-03-0-0.5 — Lab Sample ID: 480-184827-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1248	0.078		0.025	0.0048	mg/Kg	1	☼	8082A	Total/NA

Client Sample ID: SED20-03-0.5-1.0 — Lab Sample ID: 480-184827-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1248	0.028		0.022	0.0042	mg/Kg	1	☼	8082A	Total/NA

Client Sample ID: X-17 — Lab Sample ID: 480-184827-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1248	0.021	J	0.022	0.0042	mg/Kg	1	☼	8082A	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: RACER Massena Sampling

Job ID: 480-184827-1

Client Sample ID: SED20-41

Lab Sample ID: 480-184827-1
Date Collected: 05/13/21 15:37
Matrix: Solid
Date Received: 05/17/21 10:00
Percent Solids: 39.4

Method: 8082A - Polychlorinated Biphenyls (PCBs) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.13	0.025	mg/Kg	☼	06/02/21 14:56	06/03/21 16:04	1
PCB-1221	ND		0.13	0.025	mg/Kg	☼	06/02/21 14:56	06/03/21 16:04	1
PCB-1232	ND		0.13	0.025	mg/Kg	☼	06/02/21 14:56	06/03/21 16:04	1
PCB-1242	ND		0.13	0.025	mg/Kg	☼	06/02/21 14:56	06/03/21 16:04	1
PCB-1248	**0.22**		0.13	0.025	mg/Kg	☼	06/02/21 14:56	06/03/21 16:04	1
PCB-1254	ND		0.13	0.059	mg/Kg	☼	06/02/21 14:56	06/03/21 16:04	1
PCB-1260	ND		0.13	0.059	mg/Kg	☼	06/02/21 14:56	06/03/21 16:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*92*		*60 - 154*	*06/02/21 14:56*	*06/03/21 16:04*	*1*
Tetrachloro-m-xylene	*93*		*60 - 154*	*06/02/21 14:56*	*06/03/21 16:04*	*1*
DCB Decachlorobiphenyl	*108*		*65 - 174*	*06/02/21 14:56*	*06/03/21 16:04*	*1*
DCB Decachlorobiphenyl	*103*		*65 - 174*	*06/02/21 14:56*	*06/03/21 16:04*	*1*

Client Sample ID: SED20-01-0-1

Lab Sample ID: 480-184827-2
Date Collected: 05/13/21 15:45
Matrix: Solid
Date Received: 05/17/21 10:00
Percent Solids: 66.8

Method: 8082A - Polychlorinated Biphenyls (PCBs) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.025	0.0048	mg/Kg	☼	06/02/21 14:56	06/03/21 15:51	1
PCB-1221	ND		0.025	0.0048	mg/Kg	☼	06/02/21 14:56	06/03/21 15:51	1
PCB-1232	ND		0.025	0.0048	mg/Kg	☼	06/02/21 14:56	06/03/21 15:51	1
PCB-1242	ND		0.025	0.0048	mg/Kg	☼	06/02/21 14:56	06/03/21 15:51	1
PCB-1248	**0.023**	**J**	0.025	0.0048	mg/Kg	☼	06/02/21 14:56	06/03/21 15:51	1
PCB-1254	ND		0.025	0.011	mg/Kg	☼	06/02/21 14:56	06/03/21 15:51	1
PCB-1260	ND		0.025	0.011	mg/Kg	☼	06/02/21 14:56	06/03/21 15:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*95*		*60 - 154*	*06/02/21 14:56*	*06/03/21 15:51*	*1*
Tetrachloro-m-xylene	*94*		*60 - 154*	*06/02/21 14:56*	*06/03/21 15:51*	*1*
DCB Decachlorobiphenyl	*111*		*65 - 174*	*06/02/21 14:56*	*06/03/21 15:51*	*1*
DCB Decachlorobiphenyl	*105*		*65 - 174*	*06/02/21 14:56*	*06/03/21 15:51*	*1*

Client Sample ID: SED20-01-1-2

Lab Sample ID: 480-184827-3
Date Collected: 05/13/21 15:50
Matrix: Solid
Date Received: 05/17/21 10:00
Percent Solids: 80.5

Method: 8082A - Polychlorinated Biphenyls (PCBs) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.020	0.0040	mg/Kg	☼	06/02/21 14:56	06/03/21 16:17	1
PCB-1221	ND		0.020	0.0040	mg/Kg	☼	06/02/21 14:56	06/03/21 16:17	1
PCB-1232	ND		0.020	0.0040	mg/Kg	☼	06/02/21 14:56	06/03/21 16:17	1
PCB-1242	ND		0.020	0.0040	mg/Kg	☼	06/02/21 14:56	06/03/21 16:17	1
PCB-1248	ND		0.020	0.0040	mg/Kg	☼	06/02/21 14:56	06/03/21 16:17	1
PCB-1254	ND		0.020	0.0095	mg/Kg	☼	06/02/21 14:56	06/03/21 16:17	1
PCB-1260	ND		0.020	0.0095	mg/Kg	☼	06/02/21 14:56	06/03/21 16:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*88*		*60 - 154*	*06/02/21 14:56*	*06/03/21 16:17*	*1*
Tetrachloro-m-xylene	*88*		*60 - 154*	*06/02/21 14:56*	*06/03/21 16:17*	*1*

Client Sample ID: SED20-01-1-2

Lab Sample ID: 480-184827-3
Date Collected: 05/13/21 15:50
Matrix: Solid
Date Received: 05/17/21 10:00
Percent Solids: 80.5

Method: 8082A - Polychlorinated Biphenyls (PCBs) (GC) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	105		65 - 174	06/02/21 14:56	06/03/21 16:17	1
DCB Decachlorobiphenyl	99		65 - 174	06/02/21 14:56	06/03/21 16:17	1

Client Sample ID: SED20-02-0-1

Lab Sample ID: 480-184827-4
Date Collected: 05/13/21 16:22
Matrix: Solid
Date Received: 05/17/21 10:00
Percent Solids: 72.1

Method: 8082A - Polychlorinated Biphenyls (PCBs) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.023	0.0045	mg/Kg	☼	06/02/21 14:56	06/03/21 16:29	1
PCB-1221	ND		0.023	0.0045	mg/Kg	☼	06/02/21 14:56	06/03/21 16:29	1
PCB-1232	ND		0.023	0.0045	mg/Kg	☼	06/02/21 14:56	06/03/21 16:29	1
PCB-1242	ND		0.023	0.0045	mg/Kg	☼	06/02/21 14:56	06/03/21 16:29	1
PCB-1248	ND		0.023	0.0045	mg/Kg	☼	06/02/21 14:56	06/03/21 16:29	1
PCB-1254	ND		0.023	0.011	mg/Kg	☼	06/02/21 14:56	06/03/21 16:29	1
PCB-1260	ND		0.023	0.011	mg/Kg	☼	06/02/21 14:56	06/03/21 16:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	99		60 - 154	06/02/21 14:56	06/03/21 16:29	1
Tetrachloro-m-xylene	101		60 - 154	06/02/21 14:56	06/03/21 16:29	1
DCB Decachlorobiphenyl	118		65 - 174	06/02/21 14:56	06/03/21 16:29	1
DCB Decachlorobiphenyl	111		65 - 174	06/02/21 14:56	06/03/21 16:29	1

Client Sample ID: SED20-02-1-2

Lab Sample ID: 480-184827-5
Date Collected: 05/13/21 16:28
Matrix: Solid
Date Received: 05/17/21 10:00
Percent Solids: 75.3

Method: 8082A - Polychlorinated Biphenyls (PCBs) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND	F2	0.022	0.0042	mg/Kg	☼	06/07/21 15:11	06/08/21 15:24	1
PCB-1221	ND		0.022	0.0042	mg/Kg	☼	06/07/21 15:11	06/08/21 15:24	1
PCB-1232	ND		0.022	0.0042	mg/Kg	☼	06/07/21 15:11	06/08/21 15:24	1
PCB-1242	ND		0.022	0.0042	mg/Kg	☼	06/07/21 15:11	06/08/21 15:24	1
PCB-1248	ND		0.022	0.0042	mg/Kg	☼	06/07/21 15:11	06/08/21 15:24	1
PCB-1254	ND		0.022	0.010	mg/Kg	☼	06/07/21 15:11	06/08/21 15:24	1
PCB-1260	ND	F2	0.022	0.010	mg/Kg	☼	06/07/21 15:11	06/08/21 15:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	82		60 - 154	06/07/21 15:11	06/08/21 15:24	1
Tetrachloro-m-xylene	82		60 - 154	06/07/21 15:11	06/08/21 15:24	1
DCB Decachlorobiphenyl	104		65 - 174	06/07/21 15:11	06/08/21 15:24	1
DCB Decachlorobiphenyl	94		65 - 174	06/07/21 15:11	06/08/21 15:24	1

Client Sample ID: SED20-03-0-0.5

Lab Sample ID: 480-184827-6
Date Collected: 05/13/21 17:05
Matrix: Solid
Date Received: 05/17/21 10:00
Percent Solids: 65.5

Method: 8082A - Polychlorinated Biphenyls (PCBs) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.025	0.0048	mg/Kg	☼	06/02/21 14:56	06/03/21 16:42	1
PCB-1221	ND		0.025	0.0048	mg/Kg	☼	06/02/21 14:56	06/03/21 16:42	1

Client Sample ID: SED20-03-0-0.5

Lab Sample ID: 480-184827-6
Date Collected: 05/13/21 17:05
Matrix: Solid
Date Received: 05/17/21 10:00
Percent Solids: 65.5

Method: 8082A - Polychlorinated Biphenyls (PCBs) (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1232	ND		0.025	0.0048	mg/Kg	☼	06/02/21 14:56	06/03/21 16:42	1
PCB-1242	ND		0.025	0.0048	mg/Kg	☼	06/02/21 14:56	06/03/21 16:42	1
PCB-1248	**0.078**		0.025	0.0048	mg/Kg	☼	06/02/21 14:56	06/03/21 16:42	1
PCB-1254	ND		0.025	0.012	mg/Kg	☼	06/02/21 14:56	06/03/21 16:42	1
PCB-1260	ND		0.025	0.012	mg/Kg	☼	06/02/21 14:56	06/03/21 16:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*84*		*60 - 154*	*06/02/21 14:56*	*06/03/21 16:42*	*1*
Tetrachloro-m-xylene	*87*		*60 - 154*	*06/02/21 14:56*	*06/03/21 16:42*	*1*
DCB Decachlorobiphenyl	*99*		*65 - 174*	*06/02/21 14:56*	*06/03/21 16:42*	*1*
DCB Decachlorobiphenyl	*95*		*65 - 174*	*06/02/21 14:56*	*06/03/21 16:42*	*1*

Client Sample ID: SED20-03-0.5-1.0

Lab Sample ID: 480-184827-7
Date Collected: 05/13/21 17:09
Matrix: Solid
Date Received: 05/17/21 10:00
Percent Solids: 75.1

Method: 8082A - Polychlorinated Biphenyls (PCBs) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.022	0.0042	mg/Kg	☼	06/02/21 14:56	06/03/21 16:55	1
PCB-1221	ND		0.022	0.0042	mg/Kg	☼	06/02/21 14:56	06/03/21 16:55	1
PCB-1232	ND		0.022	0.0042	mg/Kg	☼	06/02/21 14:56	06/03/21 16:55	1
PCB-1242	ND		0.022	0.0042	mg/Kg	☼	06/02/21 14:56	06/03/21 16:55	1
PCB-1248	**0.028**		0.022	0.0042	mg/Kg	☼	06/02/21 14:56	06/03/21 16:55	1
PCB-1254	ND		0.022	0.010	mg/Kg	☼	06/02/21 14:56	06/03/21 16:55	1
PCB-1260	ND		0.022	0.010	mg/Kg	☼	06/02/21 14:56	06/03/21 16:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*93*		*60 - 154*	*06/02/21 14:56*	*06/03/21 16:55*	*1*
Tetrachloro-m-xylene	*93*		*60 - 154*	*06/02/21 14:56*	*06/03/21 16:55*	*1*
DCB Decachlorobiphenyl	*110*		*65 - 174*	*06/02/21 14:56*	*06/03/21 16:55*	*1*
DCB Decachlorobiphenyl	*102*		*65 - 174*	*06/02/21 14:56*	*06/03/21 16:55*	*1*

Client Sample ID: X-17

Lab Sample ID: 480-184827-8
Date Collected: 05/13/21 00:00
Matrix: Solid
Date Received: 05/17/21 10:00
Percent Solids: 75.6

Method: 8082A - Polychlorinated Biphenyls (PCBs) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.022	0.0042	mg/Kg	☼	06/02/21 14:56	06/03/21 17:07	1
PCB-1221	ND		0.022	0.0042	mg/Kg	☼	06/02/21 14:56	06/03/21 17:07	1
PCB-1232	ND		0.022	0.0042	mg/Kg	☼	06/02/21 14:56	06/03/21 17:07	1
PCB-1242	ND		0.022	0.0042	mg/Kg	☼	06/02/21 14:56	06/03/21 17:07	1
PCB-1248	**0.021**	**J**	0.022	0.0042	mg/Kg	☼	06/02/21 14:56	06/03/21 17:07	1
PCB-1254	ND		0.022	0.010	mg/Kg	☼	06/02/21 14:56	06/03/21 17:07	1
PCB-1260	ND		0.022	0.010	mg/Kg	☼	06/02/21 14:56	06/03/21 17:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*100*		*60 - 154*	*06/02/21 14:56*	*06/03/21 17:07*	*1*
Tetrachloro-m-xylene	*99*		*60 - 154*	*06/02/21 14:56*	*06/03/21 17:07*	*1*
DCB Decachlorobiphenyl	*114*		*65 - 174*	*06/02/21 14:56*	*06/03/21 17:07*	*1*
DCB Decachlorobiphenyl	*110*		*65 - 174*	*06/02/21 14:56*	*06/03/21 17:07*	*1*

Surrogate Summary

Client: O'Brien & Gere Inc of North America
Project/Site: RACER Massena Sampling

Job ID: 480-184827-1

Method: 8082A - Polychlorinated Biphenyls (PCBs) (GC)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		TCX1	TCX2	DCBP1	DCBP2
Lab Sample ID	**Client Sample ID**	**(60-154)**	**(60-154)**	**(65-174)**	**(65-174)**
480-184827-1	SED20-41	93	92	103	108
480-184827-2	SED20-01-0-1	94	95	105	111
480-184827-3	SED20-01-1-2	88	88	99	105
480-184827-4	SED20-02-0-1	101	99	111	118
480-184827-5	SED20-02-1-2	82	82	94	104
480-184827-5 MS	SED20-02-1-2	86	84	97	105
480-184827-5 MSD	SED20-02-1-2	80	83	96	103
480-184827-6	SED20-03-0-0.5	87	84	95	99
480-184827-7	SED20-03-0.5-1.0	93	93	102	110
480-184827-8	X-17	99	100	110	114
LCS 480-583661/2-A	Lab Control Sample	80	79	92	95
LCS 480-584300/2-A	Lab Control Sample	84	86	97	104
MB 480-583661/1-A	Method Blank	87	85	92	99
MB 480-584300/1-A	Method Blank	83	80	91	100

Surrogate Legend

TCX = Tetrachloro-m-xylene

DCBP = DCB Decachlorobiphenyl

Method: 8082A - Polychlorinated Biphenyls (PCBs) (GC)

Lab Sample ID: MB 480-583661/1-A
Matrix: Solid
Analysis Batch: 583816

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 583661

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.017	0.0032	mg/Kg		06/02/21 14:56	06/03/21 14:09	1
PCB-1221	ND		0.017	0.0032	mg/Kg		06/02/21 14:56	06/03/21 14:09	1
PCB-1232	ND		0.017	0.0032	mg/Kg		06/02/21 14:56	06/03/21 14:09	1
PCB-1242	ND		0.017	0.0032	mg/Kg		06/02/21 14:56	06/03/21 14:09	1
PCB-1248	ND		0.017	0.0032	mg/Kg		06/02/21 14:56	06/03/21 14:09	1
PCB-1254	ND		0.017	0.0078	mg/Kg		06/02/21 14:56	06/03/21 14:09	1
PCB-1260	ND		0.017	0.0078	mg/Kg		06/02/21 14:56	06/03/21 14:09	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*85*		*60 - 154*	*06/02/21 14:56*	*06/03/21 14:09*	*1*
Tetrachloro-m-xylene	*87*		*60 - 154*	*06/02/21 14:56*	*06/03/21 14:09*	*1*
DCB Decachlorobiphenyl	*99*		*65 - 174*	*06/02/21 14:56*	*06/03/21 14:09*	*1*
DCB Decachlorobiphenyl	*92*		*65 - 174*	*06/02/21 14:56*	*06/03/21 14:09*	*1*

Lab Sample ID: LCS 480-583661/2-A
Matrix: Solid
Analysis Batch: 583816

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 583661

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1016	0.164	0.147		mg/Kg		90	51 - 185
PCB-1260	0.164	0.151		mg/Kg		92	61 - 184

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Tetrachloro-m-xylene	*79*		*60 - 154*
Tetrachloro-m-xylene	*80*		*60 - 154*
DCB Decachlorobiphenyl	*95*		*65 - 174*
DCB Decachlorobiphenyl	*92*		*65 - 174*

Lab Sample ID: MB 480-584300/1-A
Matrix: Solid
Analysis Batch: 584442

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 584300

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.017	0.0032	mg/Kg		06/07/21 15:11	06/08/21 14:34	1
PCB-1221	ND		0.017	0.0032	mg/Kg		06/07/21 15:11	06/08/21 14:34	1
PCB-1232	ND		0.017	0.0032	mg/Kg		06/07/21 15:11	06/08/21 14:34	1
PCB-1242	ND		0.017	0.0032	mg/Kg		06/07/21 15:11	06/08/21 14:34	1
PCB-1248	ND		0.017	0.0032	mg/Kg		06/07/21 15:11	06/08/21 14:34	1
PCB-1254	ND		0.017	0.0077	mg/Kg		06/07/21 15:11	06/08/21 14:34	1
PCB-1260	ND		0.017	0.0077	mg/Kg		06/07/21 15:11	06/08/21 14:34	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*80*		*60 - 154*	*06/07/21 15:11*	*06/08/21 14:34*	*1*
Tetrachloro-m-xylene	*83*		*60 - 154*	*06/07/21 15:11*	*06/08/21 14:34*	*1*
DCB Decachlorobiphenyl	*100*		*65 - 174*	*06/07/21 15:11*	*06/08/21 14:34*	*1*
DCB Decachlorobiphenyl	*91*		*65 - 174*	*06/07/21 15:11*	*06/08/21 14:34*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) (GC) (Continued)

Lab Sample ID: LCS 480-584300/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 584442 — **Prep Batch: 584300**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
PCB-1016			0.162	0.157		mg/Kg		97	51 - 185		
PCB-1260			0.162	0.161		mg/Kg		100	61 - 184		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Tetrachloro-m-xylene	*86*		*60 - 154*
Tetrachloro-m-xylene	*84*		*60 - 154*
DCB Decachlorobiphenyl	*104*		*65 - 174*
DCB Decachlorobiphenyl	*97*		*65 - 174*

Lab Sample ID: 480-184827-5 MS — **Client Sample ID: SED20-02-1-2**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 584442 — **Prep Batch: 584300**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
PCB-1016	ND	F2	0.713	0.675		mg/Kg	☼	95	50 - 177		
PCB-1260	ND	F2	0.713	0.692		mg/Kg	☼	97	33 - 200		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Tetrachloro-m-xylene	*84*		*60 - 154*
Tetrachloro-m-xylene	*86*		*60 - 154*
DCB Decachlorobiphenyl	*105*		*65 - 174*
DCB Decachlorobiphenyl	*97*		*65 - 174*

Lab Sample ID: 480-184827-5 MSD — **Client Sample ID: SED20-02-1-2**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 584442 — **Prep Batch: 584300**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
PCB-1016	ND	F2	0.250	0.236	F2	mg/Kg	☼	94	50 - 177	96	50
PCB-1260	ND	F2	0.250	0.239	F2	mg/Kg	☼	96	33 - 200	97	50

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Tetrachloro-m-xylene	*83*		*60 - 154*
Tetrachloro-m-xylene	*80*		*60 - 154*
DCB Decachlorobiphenyl	*103*		*65 - 174*
DCB Decachlorobiphenyl	*96*		*65 - 174*

QC Association Summary

Client: O'Brien & Gere Inc of North America
Project/Site: RACER Massena Sampling

Job ID: 480-184827-1

GC Semi VOA

Prep Batch: 583661

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-184827-1	SED20-41	Total/NA	Solid	3550C	
480-184827-2	SED20-01-0-1	Total/NA	Solid	3550C	
480-184827-3	SED20-01-1-2	Total/NA	Solid	3550C	
480-184827-4	SED20-02-0-1	Total/NA	Solid	3550C	
480-184827-6	SED20-03-0-0.5	Total/NA	Solid	3550C	
480-184827-7	SED20-03-0.5-1.0	Total/NA	Solid	3550C	
480-184827-8	X-17	Total/NA	Solid	3550C	
MB 480-583661/1-A	Method Blank	Total/NA	Solid	3550C	
LCS 480-583661/2-A	Lab Control Sample	Total/NA	Solid	3550C	

Analysis Batch: 583816

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-184827-1	SED20-41	Total/NA	Solid	8082A	583661
480-184827-2	SED20-01-0-1	Total/NA	Solid	8082A	583661
480-184827-3	SED20-01-1-2	Total/NA	Solid	8082A	583661
480-184827-4	SED20-02-0-1	Total/NA	Solid	8082A	583661
480-184827-6	SED20-03-0-0.5	Total/NA	Solid	8082A	583661
480-184827-7	SED20-03-0.5-1.0	Total/NA	Solid	8082A	583661
480-184827-8	X-17	Total/NA	Solid	8082A	583661
MB 480-583661/1-A	Method Blank	Total/NA	Solid	8082A	583661
LCS 480-583661/2-A	Lab Control Sample	Total/NA	Solid	8082A	583661

Prep Batch: 584300

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-184827-5	SED20-02-1-2	Total/NA	Solid	3550C	
MB 480-584300/1-A	Method Blank	Total/NA	Solid	3550C	
LCS 480-584300/2-A	Lab Control Sample	Total/NA	Solid	3550C	
480-184827-5 MS	SED20-02-1-2	Total/NA	Solid	3550C	
480-184827-5 MSD	SED20-02-1-2	Total/NA	Solid	3550C	

Analysis Batch: 584442

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-184827-5	SED20-02-1-2	Total/NA	Solid	8082A	584300
MB 480-584300/1-A	Method Blank	Total/NA	Solid	8082A	584300
LCS 480-584300/2-A	Lab Control Sample	Total/NA	Solid	8082A	584300
480-184827-5 MS	SED20-02-1-2	Total/NA	Solid	8082A	584300
480-184827-5 MSD	SED20-02-1-2	Total/NA	Solid	8082A	584300

General Chemistry

Analysis Batch: 581514

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-184827-1	SED20-41	Total/NA	Solid	Moisture	
480-184827-2	SED20-01-0-1	Total/NA	Solid	Moisture	
480-184827-3	SED20-01-1-2	Total/NA	Solid	Moisture	
480-184827-4	SED20-02-0-1	Total/NA	Solid	Moisture	
480-184827-5	SED20-02-1-2	Total/NA	Solid	Moisture	
480-184827-6	SED20-03-0-0.5	Total/NA	Solid	Moisture	
480-184827-7	SED20-03-0.5-1.0	Total/NA	Solid	Moisture	
480-184827-8	X-17	Total/NA	Solid	Moisture	
480-184827-5 MS	SED20-02-1-2	Total/NA	Solid	Moisture	

General Chemistry (Continued)

Analysis Batch: 581514 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-184827-5 MSD	SED20-02-1-2	Total/NA	Solid	Moisture	

Lab Chronicle

Client: O'Brien & Gere Inc of North America
Project/Site: RACER Massena Sampling

Job ID: 480-184827-1

Client Sample ID: SED20-41
Lab Sample ID: 480-184827-1
Date Collected: 05/13/21 15:37
Matrix: Solid
Date Received: 05/17/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	581514	05/18/21 16:12	JMM	TAL BUF

Client Sample ID: SED20-41
Lab Sample ID: 480-184827-1
Date Collected: 05/13/21 15:37
Matrix: Solid
Date Received: 05/17/21 10:00
Percent Solids: 39.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			583661	06/02/21 14:56	ATG	TAL BUF
Total/NA	Analysis	8082A		1	583816	06/03/21 16:04	NC	TAL BUF

Client Sample ID: SED20-01-0-1
Lab Sample ID: 480-184827-2
Date Collected: 05/13/21 15:45
Matrix: Solid
Date Received: 05/17/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	581514	05/18/21 16:12	JMM	TAL BUF

Client Sample ID: SED20-01-0-1
Lab Sample ID: 480-184827-2
Date Collected: 05/13/21 15:45
Matrix: Solid
Date Received: 05/17/21 10:00
Percent Solids: 66.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			583661	06/02/21 14:56	ATG	TAL BUF
Total/NA	Analysis	8082A		1	583816	06/03/21 15:51	NC	TAL BUF

Client Sample ID: SED20-01-1-2
Lab Sample ID: 480-184827-3
Date Collected: 05/13/21 15:50
Matrix: Solid
Date Received: 05/17/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	581514	05/18/21 16:12	JMM	TAL BUF

Client Sample ID: SED20-01-1-2
Lab Sample ID: 480-184827-3
Date Collected: 05/13/21 15:50
Matrix: Solid
Date Received: 05/17/21 10:00
Percent Solids: 80.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			583661	06/02/21 14:56	ATG	TAL BUF
Total/NA	Analysis	8082A		1	583816	06/03/21 16:17	NC	TAL BUF

Client Sample ID: SED20-02-0-1
Lab Sample ID: 480-184827-4
Date Collected: 05/13/21 16:22
Matrix: Solid
Date Received: 05/17/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	581514	05/18/21 16:12	JMM	TAL BUF

Lab Chronicle

Client: O'Brien & Gere Inc of North America
Project/Site: RACER Massena Sampling

Job ID: 480-184827-1

Client Sample ID: SED20-02-0-1 — Lab Sample ID: 480-184827-4

Date Collected: 05/13/21 16:22 — **Matrix: Solid**
Date Received: 05/17/21 10:00 — **Percent Solids: 72.1**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			583661	06/02/21 14:56	ATG	TAL BUF
Total/NA	Analysis	8082A		1	583816	06/03/21 16:29	NC	TAL BUF

Client Sample ID: SED20-02-1-2 — Lab Sample ID: 480-184827-5

Date Collected: 05/13/21 16:28 — **Matrix: Solid**
Date Received: 05/17/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	581514	05/18/21 16:12	JMM	TAL BUF

Client Sample ID: SED20-02-1-2 — Lab Sample ID: 480-184827-5

Date Collected: 05/13/21 16:28 — **Matrix: Solid**
Date Received: 05/17/21 10:00 — **Percent Solids: 75.3**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			584300	06/07/21 15:11	ATG	TAL BUF
Total/NA	Analysis	8082A		1	584442	06/08/21 15:24	NC	TAL BUF

Client Sample ID: SED20-03-0-0.5 — Lab Sample ID: 480-184827-6

Date Collected: 05/13/21 17:05 — **Matrix: Solid**
Date Received: 05/17/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	581514	05/18/21 16:12	JMM	TAL BUF

Client Sample ID: SED20-03-0-0.5 — Lab Sample ID: 480-184827-6

Date Collected: 05/13/21 17:05 — **Matrix: Solid**
Date Received: 05/17/21 10:00 — **Percent Solids: 65.5**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			583661	06/02/21 14:56	ATG	TAL BUF
Total/NA	Analysis	8082A		1	583816	06/03/21 16:42	NC	TAL BUF

Client Sample ID: SED20-03-0.5-1.0 — Lab Sample ID: 480-184827-7

Date Collected: 05/13/21 17:09 — **Matrix: Solid**
Date Received: 05/17/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	581514	05/18/21 16:12	JMM	TAL BUF

Lab Chronicle

Client: O'Brien & Gere Inc of North America
Project/Site: RACER Massena Sampling

Job ID: 480-184827-1

Client Sample ID: SED20-03-0.5-1.0

Lab Sample ID: 480-184827-7
Date Collected: 05/13/21 17:09
Matrix: Solid
Date Received: 05/17/21 10:00
Percent Solids: 75.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			583661	06/02/21 14:56	ATG	TAL BUF
Total/NA	Analysis	8082A		1	583816	06/03/21 16:55	NC	TAL BUF

Client Sample ID: X-17

Lab Sample ID: 480-184827-8
Date Collected: 05/13/21 00:00
Matrix: Solid
Date Received: 05/17/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	581514	05/18/21 16:12	JMM	TAL BUF

Client Sample ID: X-17

Lab Sample ID: 480-184827-8
Date Collected: 05/13/21 00:00
Matrix: Solid
Date Received: 05/17/21 10:00
Percent Solids: 75.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			583661	06/02/21 14:56	ATG	TAL BUF
Total/NA	Analysis	8082A		1	583816	06/03/21 17:07	NC	TAL BUF

Laboratory References:

TAL BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Accreditation/Certification Summary

Client: O'Brien & Gere Inc of North America
Project/Site: RACER Massena Sampling

Job ID: 480-184827-1

Laboratory: Eurofins TestAmerica, Buffalo

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	04-01-22

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

Method Summary

Client: O'Brien & Gere Inc of North America
Project/Site: RACER Massena Sampling

Job ID: 480-184827-1

Method	Method Description	Protocol	Laboratory
8082A	Polychlorinated Biphenyls (PCBs) (GC)	SW846	TAL BUF
Moisture	Percent Moisture	EPA	TAL BUF
3550C	Ultrasonic Extraction	SW846	TAL BUF

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Sample Summary

Client: O'Brien & Gere Inc of North America
Project/Site: RACER Massena Sampling

Job ID: 480-184827-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
480-184827-1	SED20-41	Solid	05/13/21 15:37	05/17/21 10:00	
480-184827-2	SED20-01-0-1	Solid	05/13/21 15:45	05/17/21 10:00	
480-184827-3	SED20-01-1-2	Solid	05/13/21 15:50	05/17/21 10:00	
480-184827-4	SED20-02-0-1	Solid	05/13/21 16:22	05/17/21 10:00	
480-184827-5	SED20-02-1-2	Solid	05/13/21 16:28	05/17/21 10:00	
480-184827-6	SED20-03-0-0.5	Solid	05/13/21 17:05	05/17/21 10:00	
480-184827-7	SED20-03-0.5-1.0	Solid	05/13/21 17:09	05/17/21 10:00	
480-184827-8	X-17	Solid	05/13/21 00:00	05/17/21 10:00	

Eurofins TestAmerica, Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone: 716-691-2600 Fax: 716-691-7991

Chain of Custody Record

eurofins | Environment Testing America

Client Information

Client Contact: Mr. Daniel Kahn
Company: O'Brien & Gere Inc of North America
Address: 333 West Washington St. PO BOX 4873
City: East Syracuse
State, Zip: NY, 13221
Phone: 315-956-6459(Tel)
Email: daniel.kahn@ramboll.com
Project Name: RACER Massena Sampling
Site:

Sampler: RPC, EDA
Phone: 315 264-7797
PWSID:
Due Date Requested:
TAT Requested (days):
Compliance Project: Δ Yes Δ No
PO #: Purchase Order Requested
WO #:
Project #: 48016264
SSOW#:

Lab PM: Schove, John R
E-Mail: John.Schove@Eurofinset.com
Carrier Tracking No(s): Syracuse #225
State of Origin: NY
COC No: 480-159369-35069.1
Page: Page 1 of ~~48~~ 1
Job #:

480-184827 Chain of Custody

Analysis Requested

Preservation Codes:
M - Hexane
N - None
O - AsNaO2
P - Na2O4S
Q - Na2SO3
R - Na2S2O3
S - H2SO4
T - TSP Dodecahydrate
U - Acetone
V - MCAA
W - pH 4-5
Z - other (specify)
K - EDTA
L - EDA
Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8082A - TCL PCBs LL	9066 - Phenolics, Total Recoverable	8260C - TCL VOCs	Total Number of containe	Special Instructions/Note:
			Preservation Code:				N	N	N		
SED20-41	5/13/21	1537	G	Solid			X				8082A-LL
SED20-01-0-1		1545	C	Solid			X				
SED20-01-1-2		1550		Solid			X				
SED20-02-0-1		1622		Solid			X				
SED20-02-1-2		1628		Solid		X	X				MS/MSD
SED20-03-0-0.5		1705		Solid			X				
SED20-03-0.5-1.0		1709		Solid			X				
X-17		-		Solid			X				
				Solid							
		EDA		Solid							
				Solid							

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by: | Date: | Time: | Method of Shipment:

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
Ellen Clay	5/14/21 1100	Ramboll	Christopher Clarb	5/17/21 1000	TA

Custody Seals Intact: Δ Yes Δ No
Custody Seal No.:
Cooler Temperature(s) °C and Other Remarks: 6.9 #1 ICE

Ver: 11/01/2020

Login Sample Receipt Checklist

Client: O'Brien & Gere Inc of North America

Job Number: 480-184827-1

Login Number: 184827
List Number: 1
Creator: Sabuda, Brendan D

List Source: Eurofins TestAmerica, Buffalo

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	6.9 #1 ICE
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	
Samples received within 48 hours of sampling.	False	
Samples requiring field filtration have been filtered in the field.	N/A	
Chlorine Residual checked.	N/A	

MEMO

Project name	**Soil and Sediment Sampling RACER Trust Mohawk Uplands Area, Data Validation Report**
Project no.	**1940100676**
Client	**RACER Trust**
To	**Laura Calandra**
From	**Kristin Drucquer**
Copy to	**Brian Platt**

July 13, 2021

This report presents the data validation results for the pre-design investigation soil and sediment sampling in connection with the Mohawk Uplands area (Study Area) of the General Motors Central Foundry Site (Site), Operable Unit 1 (OU1) located in Massena, New York. Ramboll collected these environmental samples in April and May 2021.

SAMPLE AND VALIDATION SUMMARY

The environmental samples collected for this investigation consisted of soil and sediment samples, field duplicates and matrix spike/matrix spike duplicates (MS/MSDs). Samples were analyzed by Eurofins TestAmerica Buffalo of Amherst, New York (Eurofins TA Buffalo). The laboratory utilized the methods listed in Table 1 for sample analyses.

Table 1. *Analytical methods and reference*

Parameter	Methods	Reference
PCBs	USEPA Methods 8000C/3550C/8082A	1
Percent Solids	USEPA Method 160.3	2

Note:

PCBs indicates polychlorinated biphenyls.

USEPA indicates United States Environmental Protection Agency.

Method References:

1. USEPA. 2007. Test Methods for Evaluating Solid Waste: Physical/Chemical Methods, SW-846, 3rd Edition, Update IV. Washington D.C.
2. USEPA. 1983. Methods for Chemical Analysis of Water and Wastes, EPA-600/4-79-020. Cincinnati, Ohio.

The samples submitted for data validation are summarized in attached **Table 2**. **Table 3** presents the specific data validation approach applied to data generated for this investigation. **Table 4** presents the Laboratory quality assurance/quality control (QA/QC) analysis definitions.

Full data validation was performed for the samples submitted for validation by the Ramboll project team (ten percent of the samples analyzed). Full data validation included evaluation of summary forms and supplemental raw data.

The analytical data generated for this investigation were evaluated by Ramboll using the QA/QC information presented in the analytical methods and the following document:

- Ramboll Americas Engineering Solutions, Inc. 2021. Mohawk Uplands Area PDI Quality Assurance Project Plan (QAPP), RACER Trust.

Data affected by excursions from the QA/QC criteria in the analytical methods and laboratory SOPs were qualified using the following USEPA data validation guidance and professional judgment:

- USEPA. 2006. *USEPA Region II Validating PCB Compounds by SW-846 Method 8082A, SOP HW-45, Revision 1.* New York, NY

Qualifiers were applied to data that failed to meet the quality control criteria presented in the USEPA methods.

The validation included checking the following parameters, where applicable:

- Chain-of-custody record
- Sample collection and preservation
- Percent Solids
- Holding times
- Calibrations
- Blank analysis
- Surrogate results
- Matrix spike/ matrix spike duplicate (MS/MSD) analysis
- Laboratory control sample (LCS) analysis
- Field duplicate analysis
- Analytical sequence
- Target analyte quantitation, identification, and quantitation limits (QLs)
- Documentation completeness

The following sections of this memorandum present the results of the comparison of the analytical data to the QA/QC criteria specified above. Based on the QA/QC information review, an overall evaluation of data usability is also presented in the final section.

DOCUMENT COMPLETENESS

Supplemental information and clarifications were requested from the laboratory during the validation process. This information was required to complete the validation process.

PERCENT SOLIDS

Results for PCBs were qualified as approximate (UJ, J) since percent solids was reported as less than 30 percent:

- SED20-35-0-0.5-20210506
- SED20-38-0-0.3-20210510
- SED20-30-0-0.3-20210511
- SED20-27-0-0.3-20210511
- SED20-29-0.7-1.1-20210511

- SED20-39-0-0.6-20210511
- SED20-14-0.5-1.0-20210511
- X-13-20210511
- SED20-17-0-0.5-20210512
- SED20-26-0-0.2-20210513

The results for PCBs were qualified as approximate (R, J) since percent solids was reported as less than 10 percent:

- SED20-14-0-0.5-20210511

PCBS DATA EVALUATION SUMMARY

The following QA/QC parameters were evaluated and found to meet method and validation criteria or did not result in additional qualification of sample results:

- Sample collection and preservation
- Holding times
- Calibrations
- Blank analysis
- Surrogate results
- MS/MSD analysis
- LCS analysis
- Analytical sequence

Excursions from method or validation criteria and additional observations are described below.

I. Surrogate results

The recoveries for the surrogate tetrachloro-m-xylene was above the acceptance criteria in sample SB20-21-1-2-20210503 for both the reporting and confirmation columns. The result for PCB 1254 was qualified as approximate with a high bias (J+).

II. Field duplicate analysis

The following results were qualified as approximate (J) due to field duplicate precision excursions:

- PCB 1248 in sample SED20-29-0-0.7-20210511 and field duplicate X-13-20210511.

III. Target analyte quantitation, identification and QLs

Sample results detected at concentrations greater than laboratory method detection limits (MDLs) but less than laboratory QLs, the sample results are flagged as approximate (J) by the laboratory and the "J" qualifier is retained during data validation.

The following sample results were qualified as approximate (J) due to confirmation excursions:

- PCB 1254 in samples SED20-32-0-0.3-20210512, SED20-34-0-0.2-20210512, SED20-31-0-0.5-20210512, SED20-33-0-0.5-20210512, and SED20-17-0-0.5-20210512.

The following samples were qualified as non-detected (U) due to confirmation excursions:

- PCB 1242 in sample SED20-31-0.5-0.9-20210512.

The following sample results were qualified as approximate (J) because the PCBs showed weathering and the PCB patterns differed from the laboratory's Aroclor standards used for identification and quantitation:

- PCB 1242 in samples SED20-32-0.3-0.5-20210512, SED20-33-0.5-1.0-20210512, SED20-40-0.5-1.0-20210512, and SED20-17-0.5-1.0-20210512.
- PCB 1248 in samples SS20-17-0-1-042621, SS20-17-1-2-042621, SB20-15-0-1-043021, SB20-16-0-1-043021, SB20-16-1-2-043021, SB20-16-3-4-043021, SB20-17-0-1-043021, SB20-17-1-2-043021, SED20-37-0-0.4-20210507, SED20-37-0.4-0.8-20210507, SED20-10-0-0.5-20210507, SED20-10-0.5-1.0-20210507, SED20-14-0-0.5-20210511, SED20-14-0.5-1.0-20210511, SED20-14-1.0-1.3-20210511, and X-17-20210513.
- PCB 1254 in sample SB20-19-0-1-20210504.
- PCB 1242 and PCB 1254 in samples SED20-32-0-0.3-20210512, SED20-34-0-0.2-20210512, SED20-31-0-0.5-20210512, SED20-33-0-0.5-20210512, and SED20-17-0-0.5-20210512.

Dilutions were performed for samples with elevated target analyte concentrations.

DATA USABILITY

The data from the samples listed in **Table 2** were evaluated based on QA/QC criteria established by Methods as listed in **Table 1** and the data validation approach as described in **Table 3**.

Major deficiencies in the data generation process would have resulted in data points being rejected, indicating that the data are considered unusable for either quantitative or qualitative purposes. Minor deficiencies in the data generation process resulted in sample data being characterized as approximate or non-detected.

A discussion of the data quality with regard to the data usability parameters follows:

Precision: Data were not rejected for precision excursions.

Sensitivity: Sensitivity is established by QLs, which represent measurable concentrations of analytes which can be determined with a designated level of confidence, that meet project requirements. Dilutions were performed for analyses due to elevated concentrations of target analytes in the samples.

Accuracy: Data were not rejected for accuracy excursions.

Representativeness: Data were not rejected for representativeness excursions.

Comparability: Data usability with respect to comparability is 100 percent, as standardized analytical methods, QLs, reference materials, and data deliverables were used throughout the data generation process for this project.

Completeness: For the samples submitted for data validation, overall data usability with respect to completeness is 99.7 percent for the PCB data, considering the complete data set. Therefore, the data were identified as usable for qualitative and quantitative purposes.

Table 2.
Sample Cross Reference Table

Laboratory	Date Collected	Laboratory SDG	Laboratory Identification	Field Sample Identification	Matrix	Analysis Requested
Eurofins TA-Buffalo	4/27/2021	480-183955-1	480-183955-1	SB20-01-0-1-042721	Soil	PCBs
Eurofins TA-Buffalo	4/27/2021	480-183955-1	480-183955-2	SB20-01-1-2-042721	Soil	PCBs
Eurofins TA-Buffalo	4/27/2021	480-183955-3	480-183955-3	SB20-01-2-3-042721	Soil	PCBs
Eurofins TA-Buffalo	4/27/2021	480-183955-4	480-183955-4	SB20-01-3-4-042721, MS/MSD	Soil	PCBs
Eurofins TA-Buffalo	4/28/2021	480-183955-1	480-183955-9	SB20-02-0-1-042821	Soil	PCBs
Eurofins TA-Buffalo	4/28/2021	480-183955-1	480-183955-10	SB20-02-1-2-042821	Soil	PCBs
Eurofins TA-Buffalo	4/28/2021	480-183955-3	480-183955-11	SB20-02-2-3-042821	Soil	PCBs
Eurofins TA-Buffalo	4/27/2021	480-183955-1	480-183955-5	SB20-03-0-1-042721	Soil	PCBs
Eurofins TA-Buffalo	4/27/2021	480-183955-1	480-183955-6	SB20-03-1-2-042721	Soil	PCBs
Eurofins TA-Buffalo	4/28/2021	480-183955-1	480-183955-17	SB20-04-0-1-042821	Soil	PCBs
Eurofins TA-Buffalo	4/28/2021	480-183955-1	480-183955-18	SB20-04-1-2-042821	Soil	PCBs
Eurofins TA-Buffalo	4/28/2021	480-183955-1	480-183955-13	SB20-05-0-1-042821, MS/MSD	Soil	PCBs
Eurofins TA-Buffalo	4/28/2021	480-183955-1	480-183955-14	SB20-05-1-2-042821	Soil	PCBs
Eurofins TA-Buffalo	4/29/2021	480-184024-1	480-184024-1	SB20-06-0-1-042921	Soil	PCBs
Eurofins TA-Buffalo	4/29/2021	480-184024-1	480-184024-2	SB20-06-1-2-042921	Soil	PCBs
Eurofins TA-Buffalo	4/29/2021	480-184024-1	480-184024-5	SB20-07-0-1-042921	Soil	PCBs
Eurofins TA-Buffalo	4/29/2021	480-184024-1	480-184024-6	SB20-07-1-2-042921	Soil	PCBs
Eurofins TA-Buffalo	4/29/2021	480-184024-1	480-184024-9	SB20-08-0-1-042921	Soil	PCBs
Eurofins TA-Buffalo	4/29/2021	480-184024-1	480-184024-10	SB20-08-1-2-042921	Soil	PCBs
Eurofins TA-Buffalo	4/29/2021	480-184078-1	480-184078-1	SB-20-09-0-1-042921, MS/MSD	Soil	PCBs
Eurofins TA-Buffalo	4/29/2021	480-184078-1	480-184078-2	SB-20-09-1-2-042921	Soil	PCBs
Eurofins TA-Buffalo	4/29/2021	480-184078-1	480-184078-5	SB-20-10-0-1-042921	Soil	PCBs
Eurofins TA-Buffalo	4/29/2021	480-184078-1	480-184078-6	SB-20-10-1-2-042921	Soil	PCBs
Eurofins TA-Buffalo	5/4/2021	480-184428-1	480-184428-51	SB20-11-0-1-20210504	Soil	PCBs
Eurofins TA-Buffalo	5/4/2021	480-184428-1	480-184428-52	SB20-11-1-2-20210504, MS/MSD	Soil	PCBs
Eurofins TA-Buffalo	5/4/2021	480-184428-1	480-184428-55	SB20-12-0-1-20210504	Soil	PCBs
Eurofins TA-Buffalo	5/4/2021	480-184428-1	480-184428-56	SB20-12-1-2-20210504	Soil	PCBs
Eurofins TA-Buffalo	5/4/2021	480-184457-1	480-184431-1	SB20-13-0-1-20210504	Soil	PCBs
Eurofins TA-Buffalo	5/4/2021	480-184457-1	480-184431-2	SB20-13-1-2-20210504	Soil	PCBs
Eurofins TA-Buffalo	5/4/2021	480-184457-1	480-184431-5	SB20-14-0-1-20210504	Soil	PCBs
Eurofins TA-Buffalo	5/4/2021	480-184457-1	480-184431-6	SB20-14-1-2-20210504	Soil	PCBs
Eurofins TA-Buffalo	4/30/2021	480-184078-1	480-184078-10	SB20-15-0-1-043021	Soil	PCBs
Eurofins TA-Buffalo	4/30/2021	480-184078-1	480-184078-20	SB20-15-10-11-043021	Soil	PCBs
Eurofins TA-Buffalo	4/30/2021	480-184078-1	480-184078-21	SB20-15-11-12-043021	Soil	PCBs
Eurofins TA-Buffalo	4/30/2021	480-184078-1	480-184078-11	SB20-15-1-2-043021	Soil	PCBs
Eurofins TA-Buffalo	4/30/2021	480-184078-1	480-184078-12	SB20-15-2-3-043021	Soil	PCBs
Eurofins TA-Buffalo	4/30/2021	480-184078-1	480-184078-13	SB20-15-3-4-043021	Soil	PCBs
Eurofins TA-Buffalo	4/30/2021	480-184078-1	480-184078-14	SB20-15-4-5-043021	Soil	PCBs

Table 2.
Sample Cross Reference Table

Laboratory	Date Collected	Laboratory SDG	Laboratory Identification	Field Sample Identification	Matrix	Analysis Requested
Eurofins TA-Buffalo	4/30/2021	480-184078-1	480-184078-15	SB20-15-5-6-043021	Soil	PCBs
Eurofins TA-Buffalo	4/30/2021	480-184078-1	480-184078-16	SB20-15-6-7-043021	Soil	PCBs
Eurofins TA-Buffalo	4/30/2021	480-184078-1	480-184078-17	SB20-15-7-8-043021	Soil	PCBs
Eurofins TA-Buffalo	4/30/2021	480-184078-1	480-184078-18	SB20-15-8-9-043021	Soil	PCBs
Eurofins TA-Buffalo	4/30/2021	480-184078-1	480-184078-19	SB20-15-9-10-043021	Soil	PCBs
Eurofins TA-Buffalo	4/30/2021	480-184078-1	480-184078-22	SB20-16-0-1-043021, MS/MSD	Soil	PCBs
Eurofins TA-Buffalo	4/30/2021	480-184078-1	480-184078-23	SB20-16-1-2-043021	Soil	PCBs
Eurofins TA-Buffalo	4/30/2021	480-184078-1	480-184078-24	SB20-16-2-3-043021	Soil	PCBs
Eurofins TA-Buffalo	4/30/2021	480-184078-1	480-184078-25	SB20-16-3-4-043021	Soil	PCBs
Eurofins TA-Buffalo	4/30/2021	480-184078-1	480-184078-26	SB20-16-4-5-043021	Soil	PCBs
Eurofins TA-Buffalo	4/30/2021	480-184078-1	480-184078-27	SB20-16-5-6-043021	Soil	PCBs
Eurofins TA-Buffalo	4/30/2021	480-184078-1	480-184078-28	SB20-16-6-7-043021	Soil	PCBs
Eurofins TA-Buffalo	4/30/2021	480-184078-1	480-184078-29	SB20-16-7-8-043021	Soil	PCBs
Eurofins TA-Buffalo	4/30/2021	480-184078-1	480-184078-30	SB20-16-8-9-043021	Soil	PCBs
Eurofins TA-Buffalo	4/30/2021	480-184078-1	480-184078-31	SB20-16-9-10-043021	Soil	PCBs
Eurofins TA-Buffalo	4/30/2021	480-184078-1	480-184078-32	SB20-16-10-11-043021	Soil	PCBs
Eurofins TA-Buffalo	4/30/2021	480-184078-1	480-184078-33	SB20-16-11-12-043021	Soil	PCBs
Eurofins TA-Buffalo	4/30/2021	480-184078-1	480-184078-34	SB20-17-0-1-043021	Soil	PCBs
Eurofins TA-Buffalo	4/30/2021	480-184078-1	480-184078-35	SB20-17-1-2-043021	Soil	PCBs
Eurofins TA-Buffalo	4/30/2021	480-184078-1	480-184078-36	SB20-17-2-3-043021	Soil	PCBs
Eurofins TA-Buffalo	4/30/2021	480-184078-1	480-184078-37	SB20-17-3-4-043021	Soil	PCBs
Eurofins TA-Buffalo	4/30/2021	480-184078-1	480-184078-38	SB20-17-4-5-043021	Soil	PCBs
Eurofins TA-Buffalo	4/30/2021	480-184078-1	480-184078-39	SB20-17-5-6-043021	Soil	PCBs
Eurofins TA-Buffalo	4/30/2021	480-184078-1	480-184078-40	SB20-17-6-7-043021	Soil	PCBs
Eurofins TA-Buffalo	4/30/2021	480-184078-1	480-184078-41	SB20-17-7-8-043021	Soil	PCBs
Eurofins TA-Buffalo	4/30/2021	480-184078-1	480-184078-42	SB20-17-8-9-043021, MS/MSD	Soil	PCBs
Eurofins TA-Buffalo	4/30/2021	480-184078-1	480-184078-43	SB20-17-9-10-043021	Soil	PCBs
Eurofins TA-Buffalo	4/30/2021	480-184078-1	480-184078-44	SB20-17-10-11-043021	Soil	PCBs
Eurofins TA-Buffalo	4/30/2021	480-184078-1	480-184078-45	SB20-17-11-12-043021	Soil	PCBs
Eurofins TA-Buffalo	5/3/2021	480-184428-1	480-184428-25	SB20-18-0-1-20210503	Soil	PCBs
Eurofins TA-Buffalo	5/3/2021	480-184428-1	480-184428-26	SB20-18-1-2-20210503	Soil	PCBs
Eurofins TA-Buffalo	5/3/2021	480-184428-1	480-184428-27	SB20-18-2-3-20210503, MS/MSD	Soil	PCBs
Eurofins TA-Buffalo	5/3/2021	480-184428-1	480-184428-28	SB20-18-3-4-20210503	Soil	PCBs
Eurofins TA-Buffalo	5/3/2021	480-184428-1	480-184428-29	SB20-18-4-5-20210503	Soil	PCBs
Eurofins TA-Buffalo	5/3/2021	480-184428-1	480-184428-30	SB20-18-5-6-20210503	Soil	PCBs
Eurofins TA-Buffalo	5/3/2021	480-184428-1	480-184428-31	SB20-18-6-7-20210503	Soil	PCBs
Eurofins TA-Buffalo	5/3/2021	480-184428-1	480-184428-32	SB20-18-7-8-20210503	Soil	PCBs
Eurofins TA-Buffalo	5/3/2021	480-184428-1	480-184428-33	SB20-18-8-9-20210503	Soil	PCBs

Table 2.
Sample Cross Reference Table

Laboratory	Date Collected	Laboratory SDG	Laboratory Identification	Field Sample Identification	Matrix	Analysis Requested
Eurofins TA-Buffalo	5/3/2021	480-184428-1	480-184428-34	SB20-18-9-10-20210503	Soil	PCBs
Eurofins TA-Buffalo	5/3/2021	480-184428-1	480-184428-35	SB20-18-10-11-20210503	Soil	PCBs
Eurofins TA-Buffalo	5/3/2021	480-184428-1	480-184428-36	SB20-18-11-12-20210503	Soil	PCBs
Eurofins TA-Buffalo	5/4/2021	480-184428-1	480-184428-39	SB20-19-0-1-20210504	Soil	PCBs
Eurofins TA-Buffalo	5/4/2021	480-184428-1	480-184428-40	SB20-19-1-2-20210504	Soil	PCBs
Eurofins TA-Buffalo	5/4/2021	480-184428-1	480-184428-41	SB20-19-2-3-20210504	Soil	PCBs
Eurofins TA-Buffalo	5/4/2021	480-184428-1	480-184428-42	SB20-19-3-4-20210504	Soil	PCBs
Eurofins TA-Buffalo	5/4/2021	480-184428-1	480-184428-43	SB20-19-4-5-20210504	Soil	PCBs
Eurofins TA-Buffalo	5/4/2021	480-184428-1	480-184428-44	SB20-19-5-6-20210504	Soil	PCBs
Eurofins TA-Buffalo	5/4/2021	480-184428-1	480-184428-45	SB20-19-6-7-20210504	Soil	PCBs
Eurofins TA-Buffalo	5/4/2021	480-184428-1	480-184428-46	SB20-19-7-8-20210504	Soil	PCBs
Eurofins TA-Buffalo	5/4/2021	480-184428-1	480-184428-47	SB20-19-8-9-20210504	Soil	PCBs
Eurofins TA-Buffalo	5/4/2021	480-184428-1	480-184428-48	SB20-19-9-10-20210504	Soil	PCBs
Eurofins TA-Buffalo	5/4/2021	480-184428-1	480-184428-49	SB20-19-10-11-20210504	Soil	PCBs
Eurofins TA-Buffalo	5/4/2021	480-184428-1	480-184428-50	SB20-19-11-12-20210504	Soil	PCBs
Eurofins TA-Buffalo	5/3/2021	480-184428-1	480-184428-13	SB20-20-0-1-20210503	Soil	PCBs
Eurofins TA-Buffalo	5/3/2021	480-184428-1	480-184428-14	SB20-20-1-2-20210503	Soil	PCBs
Eurofins TA-Buffalo	5/3/2021	480-184428-1	480-184428-15	SB20-20-2-3-20210503	Soil	PCBs
Eurofins TA-Buffalo	5/3/2021	480-184428-1	480-184428-16	SB20-20-3-4-20210503	Soil	PCBs
Eurofins TA-Buffalo	5/3/2021	480-184428-1	480-184428-17	SB20-20-4-5-20210503	Soil	PCBs
Eurofins TA-Buffalo	5/3/2021	480-184428-1	480-184428-18	SB20-20-5-6-20210503	Soil	PCBs
Eurofins TA-Buffalo	5/3/2021	480-184428-1	480-184428-19	SB20-20-6-7-20210503	Soil	PCBs
Eurofins TA-Buffalo	5/3/2021	480-184428-1	480-184428-20	SB20-20-7-8-20210503	Soil	PCBs
Eurofins TA-Buffalo	5/3/2021	480-184428-1	480-184428-21	SB20-20-8-9-20210503	Soil	PCBs
Eurofins TA-Buffalo	5/3/2021	480-184428-1	480-184428-22	SB20-20-9-10-20210503	Soil	PCBs
Eurofins TA-Buffalo	5/3/2021	480-184428-1	480-184428-23	SB20-20-10-11-20210503	Soil	PCBs
Eurofins TA-Buffalo	5/3/2021	480-184428-1	480-184428-24	SB20-20-11-12-20210503	Soil	PCBs
Eurofins TA-Buffalo	5/3/2021	480-184428-1	480-184428-1	SB20-21-0-1-20210503, MS/MSD	Soil	PCBs
Eurofins TA-Buffalo	5/3/2021	480-184428-1	480-184428-2	SB20-21-1-2-20210503, MS/MSD	Soil	PCBs
Eurofins TA-Buffalo	5/3/2021	480-184428-1	480-184428-3	SB20-21-2-3-20210503	Soil	PCBs
Eurofins TA-Buffalo	5/3/2021	480-184428-1	480-184428-4	SB20-21-3-4-20210503	Soil	PCBs
Eurofins TA-Buffalo	5/3/2021	480-184428-1	480-184428-5	SB20-21-4-5-20210503	Soil	PCBs
Eurofins TA-Buffalo	5/3/2021	480-184428-1	480-184428-6	SB20-21-5-6-20210503	Soil	PCBs
Eurofins TA-Buffalo	5/3/2021	480-184428-1	480-184428-7	SB20-21-6-7-20210503	Soil	PCBs
Eurofins TA-Buffalo	5/3/2021	480-184428-1	480-184428-8	SB20-21-7-8-20210503	Soil	PCBs
Eurofins TA-Buffalo	5/3/2021	480-184428-1	480-184428-9	SB20-21-8-9-20210503	Soil	PCBs
Eurofins TA-Buffalo	5/3/2021	480-184428-1	480-184428-10	SB20-21-9-10-20210503	Soil	PCBs
Eurofins TA-Buffalo	5/3/2021	480-184428-1	480-184428-11	SB20-21-10-11-20210503	Soil	PCBs
Eurofins TA-Buffalo	5/3/2021	480-184428-1	480-184428-12	SB20-21-11-12-20210503	Soil	PCBs

Table 2.
Sample Cross Reference Table

Laboratory	Date Collected	Laboratory SDG	Laboratory Identification	Field Sample Identification	Matrix	Analysis Requested
Eurofins TA-Buffalo	5/5/2021	480-184457-1	480-184431-9	SB20-36-0-1-20210505	Soil	PCBs
Eurofins TA-Buffalo	5/13/2021	480-184827-1	480-184827-2	SED20-01-0-1-20210513	Soil	PCBs
Eurofins TA-Buffalo	5/13/2021	480-184827-1	480-184827-3	SED20-01-1-2-20210513	Soil	PCBs
Eurofins TA-Buffalo	5/13/2021	480-184827-1	480-184827-4	SED20-02-0-1-20210513	Soil	PCBs
Eurofins TA-Buffalo	5/13/2021	480-184827-1	480-184827-5	SED20-02-1-2-20210513, MS/MSD	Soil	PCBs
Eurofins TA-Buffalo	5/13/2021	480-184827-1	480-184827-6	SED20-03-0-0.5-20210513	Soil	PCBs
Eurofins TA-Buffalo	5/13/2021	480-184827-1	480-184827-7	SED20-03-0.5-1.0-20210513	Soil	PCBs
Eurofins TA-Buffalo	5/7/2021	480-184457-1	480-184457-20	SED-20-04-0.5-0.8-20210507	Soil	PCBs
Eurofins TA-Buffalo	5/7/2021	480-184457-1	480-184457-21	SED-20-04-0.8-1.1-20210507	Soil	PCBs
Eurofins TA-Buffalo	5/7/2021	480-184457-1	480-184457-19	SED-20-04-0-0.5-20210507	Soil	PCBs
Eurofins TA-Buffalo	5/7/2021	480-184457-1	480-184457-14	SED20-05-0-0.5-20210507	Soil	PCBs
Eurofins TA-Buffalo	5/7/2021	480-184457-1	480-184457-15	SED20-05-0.5-1.0-20210507	Soil	PCBs
Eurofins TA-Buffalo	5/7/2021	480-184457-1	480-184457-16	SED20-05-1.0-1.3-20210507	Soil	PCBs
Eurofins TA-Buffalo	5/7/2021	480-184457-1	480-184457-17	SED20-06-0-0.4-20210507	Soil	PCBs
Eurofins TA-Buffalo	5/7/2021	480-184457-1	480-184457-18	SED20-06-0.4-0.8-20210507	Soil	PCBs
Eurofins TA-Buffalo	5/6/2021	480-184457-1	480-184457-4	SED20-07-0-0.5-20210506	Soil	PCBs
Eurofins TA-Buffalo	5/6/2021	480-184457-1	480-184457-5	SED20-07-0.5-0.7-20210506	Soil	PCBs
Eurofins TA-Buffalo	5/6/2021	480-184457-1	480-184457-6	SED20-07-0.7-1.3-20210506	Soil	PCBs
Eurofins TA-Buffalo	5/6/2021	480-184457-1	480-184457-7	SED20-08-0-0.5-20210506	Soil	PCBs
Eurofins TA-Buffalo	5/6/2021	480-184457-1	480-184457-8	SED20-08-0.5-1.0-20210506	Soil	PCBs
Eurofins TA-Buffalo	5/6/2021	480-184457-1	480-184457-9	SED20-08-1.0-1.2-20210506	Soil	PCBs
Eurofins TA-Buffalo	5/10/2021	480-184690-1	480-184690-1	SED20-09-0-0.4-20210510	Soil	PCBs
Eurofins TA-Buffalo	5/10/2021	480-184690-1	480-184690-2	SED20-09-0.4-0.8-20210510	Soil	PCBs
Eurofins TA-Buffalo	5/10/2021	480-184690-1	480-184690-3	SED20-09-0.8-1.2-20210510, MS/MSD	Soil	PCBs
Eurofins TA-Buffalo	5/7/2021	480-184457-1	480-184457-25	SED20-10-0-0.5-20210507	Soil	PCBs
Eurofins TA-Buffalo	5/7/2021	480-184457-1	480-184457-26	SED20-10-0.5-1.0-20210507	Soil	PCBs
Eurofins TA-Buffalo	5/7/2021	480-184457-1	480-184457-27	SED20-10-1.0-1.6-20210507	Soil	PCBs
Eurofins TA-Buffalo	5/10/2021	480-184690-1	480-184690-4	SED20-11-0-0.5-20210510	Soil	PCBs
Eurofins TA-Buffalo	5/10/2021	480-184690-1	480-184690-5	SED20-11-0.5-0.8-20210510	Soil	PCBs
Eurofins TA-Buffalo	5/10/2021	480-184690-1	480-184690-6	SED20-11-0.8-1.3-20210510	Soil	PCBs
Eurofins TA-Buffalo	5/10/2021	480-184690-1	480-184690-11	SED20-12-0-0.5-20210510	Soil	PCBs
Eurofins TA-Buffalo	5/10/2021	480-184690-1	480-184690-12	SED20-12-0.5-0.8-20210510	Soil	PCBs
Eurofins TA-Buffalo	5/10/2021	480-184690-1	480-184690-13	SED20-12-0.8-1.6-20210510	Soil	PCBs
Eurofins TA-Buffalo	5/10/2021	480-184690-1	480-184690-14	SED20-13-0-0.3-20210510	Soil	PCBs
Eurofins TA-Buffalo	5/10/2021	480-184690-1	480-184690-15	SED20-13-0.3-1.0-20210510	Soil	PCBs
Eurofins TA-Buffalo	5/11/2021	480-184690-1	480-184690-36	SED20-14-0-0.5-20210511	Soil	PCBs
Eurofins TA-Buffalo	5/11/2021	480-184690-1	480-184690-37	SED20-14-0.5-1.0-20210511	Soil	PCBs
Eurofins TA-Buffalo	5/11/2021	480-184690-1	480-184690-38	SED20-14-1.0-1.3-20210511	Soil	PCBs

Table 2.
Sample Cross Reference Table

Laboratory	Date Collected	Laboratory SDG	Laboratory Identification	Field Sample Identification	Matrix	Analysis Requested
Eurofins TA-Buffalo	5/11/2021	480-184690-1	480-184690-39	SED20-14-1.3-2.0-20210511	Soil	PCBs
Eurofins TA-Buffalo	5/11/2021	480-184690-1	480-184690-40	SED20-15-0-0.3-20210511	Soil	PCBs
Eurofins TA-Buffalo	5/11/2021	480-184690-1	480-184690-41	SED20-15-0.3-0.6-20210511	Soil	PCBs
Eurofins TA-Buffalo	5/11/2021	480-184690-1	480-184690-42	SED20-15-0.6-1.0-20210511	Soil	PCBs
Eurofins TA-Buffalo	5/12/2021	480-184691-1	480-184691-1	SED20-16-0-0.3-20210512	Soil	PCBs
Eurofins TA-Buffalo	5/12/2021	480-184691-1	480-184691-2	SED20-16-0.3-0.6-20210512	Soil	PCBs
Eurofins TA-Buffalo	5/12/2021	480-184691-1	480-184691-3	SED20-16-0.6-1.2-20210512	Soil	PCBs
Eurofins TA-Buffalo	5/12/2021	480-184692-1	480-184692-1	SED20-17-0-0.5-20210512	Soil	PCBs
Eurofins TA-Buffalo	5/12/2021	480-184692-1	480-184692-2	SED20-17-0.5-1.0-20210512	Soil	PCBs
Eurofins TA-Buffalo	5/12/2021	480-184692-1	480-184692-3	SED20-17-1.0-1.5-20210512	Soil	PCBs
Eurofins TA-Buffalo	5/12/2021	480-184692-1	480-184692-4	SED20-17-1.5-2.1-20210512, MS/MSD	Soil	PCBs
Eurofins TA-Buffalo	5/12/2021	480-184691-1	480-184691-19	SED20-18-0-0.5-20210512	Soil	PCBs
Eurofins TA-Buffalo	5/12/2021	480-184691-1	480-184691-20	SED20-18-0.5-0.9-20210512	Soil	PCBs
Eurofins TA-Buffalo	5/12/2021	480-184691-1	480-184691-21	SED20-18-0.9-1.9-20210512	Soil	PCBs
Eurofins TA-Buffalo	5/12/2021	480-184692-1	480-184692-5	SED20-19-0-0.3-20210512	Soil	PCBs
Eurofins TA-Buffalo	5/12/2021	480-184692-1	480-184692-6	SED20-19-0.3-0.9-20210512	Soil	PCBs
Eurofins TA-Buffalo	5/12/2021	480-184692-1	480-184692-7	SED20-19-0.9-1.6-20210512	Soil	PCBs
Eurofins TA-Buffalo	5/12/2021	480-184692-1	480-184692-8	SED20-20-0-0.3-20210512	Soil	PCBs
Eurofins TA-Buffalo	5/12/2021	480-184692-1	480-184692-9	SED20-20-0.3-1.0-20210512	Soil	PCBs
Eurofins TA-Buffalo	5/13/2021	480-184692-1	480-184692-29	SED20-21-0-0.5-20210513	Soil	PCBs
Eurofins TA-Buffalo	5/13/2021	480-184692-1	480-184692-30	SED20-21-0.5-1.0-20210513	Soil	PCBs
Eurofins TA-Buffalo	5/13/2021	480-184692-1	480-184692-31	SED20-21-1.0-1.8-20210513	Soil	PCBs
Eurofins TA-Buffalo	5/13/2021	480-184692-1	480-184692-26	SED20-22-0-0.3-20210513	Soil	PCBs
Eurofins TA-Buffalo	5/13/2021	480-184692-1	480-184692-27	SED20-22-0.3-1.3-20210513	Soil	PCBs
Eurofins TA-Buffalo	5/13/2021	480-184692-1	480-184692-20	SED20-23-0-0.3-20210513	Soil	PCBs
Eurofins TA-Buffalo	5/13/2021	480-184692-1	480-184692-21	SED20-23-0.3-0.7-20210513	Soil	PCBs
Eurofins TA-Buffalo	5/13/2021	480-184692-1	480-184692-22	SED20-23-0.7-1.2-20210513	Soil	PCBs
Eurofins TA-Buffalo	5/13/2021	480-184692-1	480-184692-23	SED20-24-0-0.5-20210513	Soil	PCBs
Eurofins TA-Buffalo	5/13/2021	480-184692-1	480-184692-24	SED20-24-0.5-1.0-20210513	Soil	PCBs
Eurofins TA-Buffalo	5/13/2021	480-184692-1	480-184692-25	SED20-24-1.0-1.8-20210513	Soil	PCBs
Eurofins TA-Buffalo	5/13/2021	480-184692-1	480-184692-16	SED20-25-0-0.5-20210513	Soil	PCBs
Eurofins TA-Buffalo	5/13/2021	480-184692-1	480-184692-17	SED20-25-0.5-0.9-20210513	Soil	PCBs
Eurofins TA-Buffalo	5/13/2021	480-184692-1	480-184692-18	SED20-25-0.9-1.6-20210513	Soil	PCBs
Eurofins TA-Buffalo	5/13/2021	480-184692-1	480-184692-19	SED20-25-1.6-1.9-20210513	Soil	PCBs
Eurofins TA-Buffalo	5/13/2021	480-184692-1	480-184692-13	SED20-26-0-0.2-20210513	Soil	PCBs
Eurofins TA-Buffalo	5/13/2021	480-184692-1	480-184692-14	SED20-26-0.2-1.0-20210513, MS/MSD	Soil	PCBs
Eurofins TA-Buffalo	5/11/2021	480-184690-1	480-184690-24	SED20-27-0-0.3-20210511	Soil	PCBs
Eurofins TA-Buffalo	5/11/2021	480-184690-1	480-184690-25	SED20-27-0.3-0.6-20210511	Soil	PCBs

Table 2.
Sample Cross Reference Table

Laboratory	Date Collected	Laboratory SDG	Laboratory Identification	Field Sample Identification	Matrix	Analysis Requested
Eurofins TA-Buffalo	5/11/2021	480-184690-1	480-184690-26	SED20-27-0.6-1.0-20210511	Soil	PCBs
Eurofins TA-Buffalo	5/10/2021	480-184690-1	480-184690-17	SED20-28-0-0.5-20210510	Soil	PCBs
Eurofins TA-Buffalo	5/10/2021	480-184690-1	480-184690-18	SED20-28-0.5-1.0-20210510	Soil	PCBs
Eurofins TA-Buffalo	5/10/2021	480-184690-1	480-184690-19	SED20-28-1.0-2.0-20210510	Soil	PCBs
Eurofins TA-Buffalo	5/11/2021	480-184690-1	480-184690-28	SED20-29-0-0.7-20210511	Soil	PCBs
Eurofins TA-Buffalo	5/11/2021	480-184690-1	480-184690-29	SED20-29-0.7-1.1-20210511	Soil	PCBs
Eurofins TA-Buffalo	5/11/2021	480-184690-1	480-184690-20	SED20-30-0-0.3-20210511	Soil	PCBs
Eurofins TA-Buffalo	5/11/2021	480-184690-1	480-184690-21	SED20-30-0.3-0.6-20210511	Soil	PCBs
Eurofins TA-Buffalo	5/11/2021	480-184690-1	480-184690-22	SED20-30-0.6-1.0-20210511	Soil	PCBs
Eurofins TA-Buffalo	5/12/2021	480-184691-1	480-184691-12	SED20-31-0-0.5-20210512	Soil	PCBs
Eurofins TA-Buffalo	5/12/2021	480-184691-1	480-184691-13	SED20-31-0.5-0.9-20210512	Soil	PCBs
Eurofins TA-Buffalo	5/12/2021	480-184691-1	480-184691-14	SED20-31-0.9-1.9-20210512	Soil	PCBs
Eurofins TA-Buffalo	5/12/2021	480-184691-1	480-184691-4	SED20-32-0-0.3-20210512	Soil	PCBs
Eurofins TA-Buffalo	5/12/2021	480-184691-1	480-184691-5	SED20-32-0.3-0.5-20210512	Soil	PCBs
Eurofins TA-Buffalo	5/12/2021	480-184691-1	480-184691-6	SED20-32-0.5-1.2-20210512	Soil	PCBs
Eurofins TA-Buffalo	5/12/2021	480-184691-1	480-184691-16	SED20-33-0-0.5-20210512	Soil	PCBs
Eurofins TA-Buffalo	5/12/2021	480-184691-1	480-184691-17	SED20-33-0.5-1.0-20210512	Soil	PCBs
Eurofins TA-Buffalo	5/12/2021	480-184691-1	480-184691-18	SED20-33-1.0-1.7-20210512	Soil	PCBs
Eurofins TA-Buffalo	5/12/2021	480-184691-1	480-184691-8	SED20-34-0-0.2-20210512	Soil	PCBs
Eurofins TA-Buffalo	5/12/2021	480-184691-1	480-184691-9	SED20-34-0.2-0.6-20210512	Soil	PCBs
Eurofins TA-Buffalo	5/12/2021	480-184691-1	480-184691-10	SED20-34-0.6-1.2-20210512	Soil	PCBs
Eurofins TA-Buffalo	5/6/2021	480-184457-1	480-184457-1	SED20-35-0-0.5-20210506	Soil	PCBs
Eurofins TA-Buffalo	5/6/2021	480-184457-1	480-184457-2	SED20-35-0.5-1.0-20210506	Soil	PCBs
Eurofins TA-Buffalo	5/6/2021	480-184457-1	480-184457-3	SED20-35-1.0-1.5-20210506	Soil	PCBs
Eurofins TA-Buffalo	5/6/2021	480-184457-1	480-184457-10	SED20-36-0-0.5-20210506	Soil	PCBs
Eurofins TA-Buffalo	5/6/2021	480-184457-1	480-184457-11	SED20-36-0.5-1.0-20210506	Soil	PCBs
Eurofins TA-Buffalo	5/6/2021	480-184457-1	480-184457-12	SED20-36-1.0-1.5-20210506, MS/MSD	Soil	PCBs
Eurofins TA-Buffalo	5/7/2021	480-184457-1	480-184457-22	SED20-37-0-0.4-20210507	Soil	PCBs
Eurofins TA-Buffalo	5/7/2021	480-184457-1	480-184457-23	SED20-37-0.4-0.8-20210507	Soil	PCBs
Eurofins TA-Buffalo	5/7/2021	480-184457-1	480-184457-24	SED20-37-0.8-1.5-20210507	Soil	PCBs
Eurofins TA-Buffalo	5/10/2021	480-184690-1	480-184690-7	SED20-38-0-0.3-20210510	Soil	PCBs
Eurofins TA-Buffalo	5/10/2021	480-184690-1	480-184690-8	SED20-38-0.3-0.6-20210510	Soil	PCBs
Eurofins TA-Buffalo	5/10/2021	480-184690-1	480-184690-9	SED20-38-0.6-1.1-20210510, MS/MSD	Soil	PCBs
Eurofins TA-Buffalo	5/11/2021	480-184690-1	480-184690-31	SED20-39-0-0.6-20210511	Soil	PCBs
Eurofins TA-Buffalo	5/11/2021	480-184690-1	480-184690-32	SED20-39-0.6-1.0-20210511	Soil	PCBs
Eurofins TA-Buffalo	5/11/2021	480-184690-1	480-184690-33	SED20-39-1.0-1.5-20210511	Soil	PCBs
Eurofins TA-Buffalo	5/11/2021	480-184690-1	480-184690-34	SED20-39-1.5-2.2-20210511, MS/MSD	Soil	PCBs
Eurofins TA-Buffalo	5/12/2021	480-184691-1	480-184691-23	SED20-40-0-0.5-20210512	Soil	PCBs

Table 2.
Sample Cross Reference Table

Laboratory	Date Collected	Laboratory SDG	Laboratory Identification	Field Sample Identification	Matrix	Analysis Requested
Eurofins TA-Buffalo	5/12/2021	480-184691-1	480-184691-24	SED20-40-0.5-1.0-20210512	Soil	PCBs
Eurofins TA-Buffalo	5/12/2021	480-184691-1	480-184691-25	SED20-40-1.0-1.4-20210512	Soil	PCBs
Eurofins TA-Buffalo	5/13/2021	480-184827-1	480-184827-1	SED20-41-20210513	Soil	PCBs
Eurofins TA-Buffalo	5/6/2021	480-184386-1	480-184386-16	SS20-01-0-1-20210506	Soil	PCBs
Eurofins TA-Buffalo	5/6/2021	480-184386-1	480-184386-17	SS20-01-1-2-20210506	Soil	PCBs
Eurofins TA-Buffalo	5/6/2021	480-184386-1	480-184386-20	SS20-03-0-1-20210506	Soil	PCBs
Eurofins TA-Buffalo	5/6/2021	480-184386-1	480-184386-21	SS20-03-1-2-20210506	Soil	PCBs
Eurofins TA-Buffalo	5/6/2021	480-184386-1	480-184386-18	SS20-04-0-1-20210506	Soil	PCBs
Eurofins TA-Buffalo	5/6/2021	480-184386-1	480-184386-19	SS20-04-1-2-20210506	Soil	PCBs
Eurofins TA-Buffalo	5/5/2021	480-184457-1	480-184431-27	SS20-05-0-1-20210505	Soil	PCBs
Eurofins TA-Buffalo	5/5/2021	480-184457-1	480-184431-28	SS20-05-1-2-20210505	Soil	PCBs
Eurofins TA-Buffalo	5/5/2021	480-184457-1	480-184431-25	SS20-06-0-1-20210505	Soil	PCBs
Eurofins TA-Buffalo	5/5/2021	480-184457-1	480-184431-26	SS20-06-1-2-20210505	Soil	PCBs
Eurofins TA-Buffalo	5/5/2021	480-184386-1	480-184386-3	SS20-07-0-1-20210505	Soil	PCBs
Eurofins TA-Buffalo	5/5/2021	480-184386-1	480-184386-4	SS20-07-1-2-20210505	Soil	PCBs
Eurofins TA-Buffalo	5/5/2021	480-184386-1	480-184386-1	SS20-08-0-1-20210505	Soil	PCBs
Eurofins TA-Buffalo	5/5/2021	480-184386-1	480-184386-2	SS20-08-1-2-20210505	Soil	PCBs
Eurofins TA-Buffalo	4/27/2021	480-183898-1	480-183898-27	SS20-10-0-1-042721	Soil	PCBs
Eurofins TA-Buffalo	4/27/2021	480-183898-1	480-183898-28	SS20-10-1-2-042721	Soil	PCBs
Eurofins TA-Buffalo	4/27/2021	480-183898-1	480-183898-25	SS20-11-0-1-042721	Soil	PCBs
Eurofins TA-Buffalo	4/27/2021	480-183898-1	480-183898-26	SS20-11-1-2-042721	Soil	PCBs
Eurofins TA-Buffalo	4/27/2021	480-183898-1	480-183898-23	SS20-12-0-1-042721	Soil	PCBs
Eurofins TA-Buffalo	4/27/2021	480-183898-1	480-183898-24	SS20-12-1-2-042721	Soil	PCBs
Eurofins TA-Buffalo	5/6/2021	480-184386-1	480-184386-14	SS20-13-0-1-20210506	Soil	PCBs
Eurofins TA-Buffalo	5/6/2021	480-184386-1	480-184386-15	SS20-13-1-2-20210506	Soil	PCBs
Eurofins TA-Buffalo	5/12/2021	480-184692-1	480-184692-10	SS20-14-0-1-20210512	Soil	PCBs
Eurofins TA-Buffalo	5/12/2021	480-184692-1	480-184692-11	SS20-14-1-2-20210512	Soil	PCBs
Eurofins TA-Buffalo	4/27/2021	480-183898-1	480-183898-20	SS20-15-0-1-042721, MS/MSD	Soil	PCBs
Eurofins TA-Buffalo	4/27/2021	480-183898-1	480-183898-21	SS20-15-1-2-042721	Soil	PCBs
Eurofins TA-Buffalo	4/26/2021	480-183898-1	480-183898-18	SS20-16-0-1-042621	Soil	PCBs
Eurofins TA-Buffalo	4/26/2021	480-183898-1	480-183898-19	SS20-16-1-2-042621	Soil	PCBs
Eurofins TA-Buffalo	4/26/2021	480-183898-1	480-183898-16	SS20-17-0-1-042621	Soil	PCBs
Eurofins TA-Buffalo	4/26/2021	480-183898-1	480-183898-17	SS20-17-1-2-042621	Soil	PCBs
Eurofins TA-Buffalo	4/26/2021	480-183898-1	480-183898-14	SS20-18-0-1-042621	Soil	PCBs
Eurofins TA-Buffalo	4/26/2021	480-183898-1	480-183898-15	SS20-18-1-2-042621	Soil	PCBs
Eurofins TA-Buffalo	5/5/2021	480-184386-1	480-184386-11	SS20-19-0-1-20210505	Soil	PCBs
Eurofins TA-Buffalo	5/5/2021	480-184386-1	480-184386-12	SS20-19-1-2-20210505	Soil	PCBs
Eurofins TA-Buffalo	5/5/2021	480-184386-1	480-184386-9	SS20-20-0-1-20210505, MS/MSD	Soil	PCBs

Table 2.
Sample Cross Reference Table

Laboratory	Date Collected	Laboratory SDG	Laboratory Identification	Field Sample Identification	Matrix	Analysis Requested
Eurofins TA-Buffalo	5/5/2021	480-184386-1	480-184386-10	SS20-20-1-2-20210505	Soil	PCBs
Eurofins TA-Buffalo	4/26/2021	480-183898-1	480-183898-12	SS20-21-0-1-042621	Soil	PCBs
Eurofins TA-Buffalo	4/26/2021	480-183898-1	480-183898-13	SS20-21-1-2-042621	Soil	PCBs
Eurofins TA-Buffalo	5/5/2021	480-184386-1	480-184386-7	SS20-22-0-1-20210505	Soil	PCBs
Eurofins TA-Buffalo	5/5/2021	480-184386-1	480-184386-8	SS20-22-1-2-20210505	Soil	PCBs
Eurofins TA-Buffalo	5/5/2021	480-184386-1	480-184386-5	SS20-23-0-1-20210505	Soil	PCBs
Eurofins TA-Buffalo	5/5/2021	480-184386-1	480-184386-6	SS20-23-1-2-20210505	Soil	PCBs
Eurofins TA-Buffalo	4/26/2021	480-183898-1	480-183898-10	SS20-24-0-1-042621	Soil	PCBs
Eurofins TA-Buffalo	4/26/2021	480-183898-1	480-183898-11	SS20-24-1-2-042621	Soil	PCBs
Eurofins TA-Buffalo	4/26/2021	480-183898-1	480-183898-8	SS20-25-0-1-042621	Soil	PCBs
Eurofins TA-Buffalo	4/26/2021	480-183898-1	480-183898-9	SS20-25-1-2-042621	Soil	PCBs
Eurofins TA-Buffalo	5/5/2021	480-184457-1	480-184431-23	SS20-26-0-1-20210505	Soil	PCBs
Eurofins TA-Buffalo	5/5/2021	480-184457-1	480-184431-24	SS20-26-1-2-20210505	Soil	PCBs
Eurofins TA-Buffalo	4/26/2021	480-183898-1	480-183898-5	SS20-27-0-1-042621	Soil	PCBs
Eurofins TA-Buffalo	4/26/2021	480-183898-1	480-183898-6	SS20-27-1-2-042621, MS/MSD	Soil	PCBs
Eurofins TA-Buffalo	5/5/2021	480-184457-1	480-184431-19	SS20-28-0-1-20210505	Soil	PCBs
Eurofins TA-Buffalo	5/5/2021	480-184457-1	480-184431-20	SS20-28-1-2-20210505	Soil	PCBs
Eurofins TA-Buffalo	5/5/2021	480-184457-1	480-184431-21	SS20-29-0-1-20210505	Soil	PCBs
Eurofins TA-Buffalo	5/5/2021	480-184457-1	480-184431-22	SS20-29-1-2-20210505	Soil	PCBs
Eurofins TA-Buffalo	4/26/2021	480-183898-1	480-183898-3	SS20-30-0-1-042621	Soil	PCBs
Eurofins TA-Buffalo	4/26/2021	480-183898-1	480-183898-4	SS20-30-1-2-042621	Soil	PCBs
Eurofins TA-Buffalo	4/26/2021	480-183898-1	480-183898-1	SS20-31-0-1-042621	Soil	PCBs
Eurofins TA-Buffalo	4/26/2021	480-183898-1	480-183898-2	SS20-31-1-2-042621	Soil	PCBs
Eurofins TA-Buffalo	5/5/2021	480-184457-1	480-184431-15	SS20-32-0-1-20210505	Soil	PCBs
Eurofins TA-Buffalo	5/5/2021	480-184457-1	480-184431-16	SS20-32-1-2-20210505, MS/MSD	Soil	PCBs
Eurofins TA-Buffalo	5/5/2021	480-184457-1	480-184431-17	SS20-33-0-1-20210505	Soil	PCBs
Eurofins TA-Buffalo	5/5/2021	480-184457-1	480-184431-18	SS20-33-1-2-20210505	Soil	PCBs
Eurofins TA-Buffalo	5/5/2021	480-184457-1	480-184431-11	SS20-34-0-1-20210505	Soil	PCBs
Eurofins TA-Buffalo	5/5/2021	480-184457-1	480-184431-12	SS20-34-1-2-20210505	Soil	PCBs
Eurofins TA-Buffalo	5/5/2021	480-184457-1	480-184431-13	SS20-35-0-1-20210505	Soil	PCBs
Eurofins TA-Buffalo	5/5/2021	480-184457-1	480-184431-14	SS20-35-1-2-20210505	Soil	PCBs
Eurofins TA-Buffalo	5/5/2021	480-184457-1	480-184431-10	SS20-36-1-2-20210505	Soil	PCBs
Eurofins TA-Buffalo	4/27/2021	480-183898-1	480-183898-29	SS20-9-0-1-042721	Soil	PCBs
Eurofins TA-Buffalo	4/27/2021	480-183898-1	480-183898-30	SS20-9-1-2-042721	Soil	PCBs
Eurofins TA-Buffalo	4/26/2021	480-183898-1	480-183898-7	X-1-042621 [SS20-27-0-1-042621]	Soil	PCBs
Eurofins TA-Buffalo	4/26/2021	480-183898-1	480-183898-22	X-2-042721 [SS20-15-1-2-042721]	Soil	PCBs
Eurofins TA-Buffalo	4/28/2021	480-183955-1	480-183955-21	X-3-042821 [SB20-02-1-2-042821]	Soil	PCBs
Eurofins TA-Buffalo	4/29/2021	480-184078-1	480-184078-9	X-4-042921 [SB-20-09-1-2-042921]	Soil	PCBs

Table 2.
Sample Cross Reference Table

Laboratory	Date Collected	Laboratory SDG	Laboratory Identification	Field Sample Identification	Matrix	Analysis Requested
Eurofins TA-Buffalo	4/30/2021	480-184078-1	480-184078-46	X-5-043021 [SB20-16-3-4-043021]	Soil	PCBs
Eurofins TA-Buffalo	5/3/2021	480-184428-1	480-184428-37	X-6-20210503 [SB20-21-0-1-20210503]	Soil	PCBs
Eurofins TA-Buffalo	5/3/2021	480-184428-1	480-184428-38	X-7-20210503 [SB20-18-1-2-20210503]	Soil	PCBs
Eurofins TA-Buffalo	5/4/2021	480-184428-1	480-184428-59	X-8-20210504 [SB20-11-0-1-20210504]	Soil	PCBs
Eurofins TA-Buffalo	5/5/2021	480-184457-1	480-184431-29	X-9-20210505 [SS20-32-0-1-20210505]	Soil	PCBs
Eurofins TA-Buffalo	5/5/2021	480-184386-1	480-184386-13	X-10-20210505 [SS20-20-1-2-20210505]	Soil	PCBs
Eurofins TA-Buffalo	5/6/2021	480-184457-1	480-184457-13	X-11-20210506 [SED20-08-0.5-1.0-20210506]	Soil	PCBs
Eurofins TA-Buffalo	5/7/2021	480-184457-1	480-184457-28	X-12-20210507 [SED20-10-1.0-1.6-20210507]	Soil	PCBs
Eurofins TA-Buffalo	5/11/2021	480-184690-1	480-184690-44	X-13-20210511 [SED20-29-0-0.7-20210511]	Soil	PCBs
Eurofins TA-Buffalo	5/12/2021	480-184691-1	480-184691-26	X-14-20210512 [SED20-34-0.6-1.2-20210512]	Soil	PCBs
Eurofins TA-Buffalo	5/12/2021	480-184692-1	480-184692-12	X-15-20210512 [SED20-17-1.0-1.5-20210512]	Soil	PCBs
Eurofins TA-Buffalo	5/13/2021	480-184692-1	480-184692-32	X-16-20210513 [SED20-25-0.9-1.6-20210513]	Soil	PCBs
Eurofins TA-Buffalo	5/13/2021	480-184827-1	480-184827-8	X-17-20210513 [SED20-01-0-1-20210513]	Soil	PCBs

Notes:
Eurofins TA-Buffalo indicates Eurofins Test America Buffalo located in Amherst, New York.
MS/MSD indicates matrix spike/matrix spike duplicate analysis.
PCBs indicates polychlorinated biphenyls.
"X" indicates field duplicate. The sample identification utilized for field duplicate is shown in brackets.

Table 3. Ramboll Data validation approach for SW-846 analytical methods including VOCs (8260C), SVOCs (8270D), Pesticides (8081B), PCBs (8082A), Metals (200.7/200.8), Mercury, (245.1), Cyanide (335.4) and other methods listed in the validation report	
General Validation Approach	The validation approach taken by Ramboll is a conservative one; qualifiers are applied to sample data to indicate both major and minor excursions so that data associated with any type of excursion are identified to the data user. Major excursions result in data being rejected (R), indicating that the data are considered unusable for either quantitative or qualitative purposes. Minor excursions result in sample data being qualified as approximate (J, UJ, JN) or non-detected (U) that is otherwise usable for quantitative or qualitative purposes.
	Excursions are subdivided into excursions that are within the laboratory's control and those that are out of the laboratory's control. Excursions involving laboratory control sample recovery, calibration response, method blank excursions, low or high spike recovery due to inaccurate spiking solutions or poor instrument response, holding times, interpretation errors, and quantitation errors are within the control of the laboratory. Excursions resulting from poor spike recovery due to interference from the sample matrix is an example of an excursion that is not within the laboratory's control if the laboratory has followed proper method procedures, including applying appropriate sample preparation techniques.
Applying professional judgment	Ramboll data validation directs professional judgment to be used when applying qualifiers in some cases, considering the laboratory analysis approach and method requirements.
Validation Guidelines	Ramboll data validation approach is based on current Region II guidelines for SW-846 methods. Since Region II guidelines available for metals apply only to the CLP method, only the general approach to applying qualifiers is utilized for metals and inorganics.
Validation Qualifiers	"R" Indicates that the reporting limit (RL) or sample result has been identified as unusable due to a major deficiency in the data generation process. The data were rejected and should not be used for any qualitative or quantitative purposes. "U" Indicates that the analyte was not detected and the sample RL is presented. This qualifier is also used to signify blank excursions. "J" Indicates that the concentration should be considered approximate. The target analyte was positively identified and the associated numerical value is the approximate concentration; either the data quality criteria were not met or the concentration of the target analyte was greater than the method detection limit (MDL) and below the RL. "J+" Indicates that the concentration should be considered approximate and biased high. This qualifier identifies a deficiency in the data generation process. "J-" Indicates that the concentration should be considered approximate and biased low. This qualifier identifies a deficiency in the data generation process. "UJ" Indicates that the analyte was analyzed for and was not detected; however, the RL is presented and should be considered approximate. This qualifier is used when data quality criteria were not met. "JN" – Indicates that the target analyte has been "tentatively identified" as present and the associated numerical value is the estimated concentration in the sample. This qualifier may be applied due to data interpretation issues.
Cooler Temperature	Results for samples submitted analyses that are impacted by coolers that did not contain ice, or if the ice melted upon receipt and the cooler temperatures are greater than 10°C, are qualified as approximate (UJ, J). If samples are delivered to the laboratory the same day as sample collection and samples did not have sufficient time to reach 10°C, samples are not qualified, unless proper preservation was not provided for samples between sample collection and sample receipt at the laboratory. Results for samples received at ambient temperature involved in extended shipment-day issues may be rejected, applying professional judgment.
Percent Solids	Results for samples submitted for surface and subsurface soil organic and inorganic analyses that are impacted by percent solids of 50 percent or less are qualified as approximate (UJ, J). Results for samples submitted for sediment organic and inorganic analyses that are impacted by percent solids of 30 percent or less are qualified as approximate (UJ, J). If any percent solids are <10%, non-detected results are qualified as rejected.
Soil sample collection for VOCs	Soil samples for VOCs submitted for low level analyses must be collected in accordance with EPA Method 5035A. If samples are not collected in encores or weighed/preserved containers in the field, the VOC data are qualified as approximate (UJ, J).

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Holding Time for Organics	Results for samples properly preserved and analyzed outside of but less than two times the holding time window established in the QAPP for preparation and/or analysis are qualified as approximate (UJ, J). Non-detected results for samples properly preserved and analyzed greater than two times the holding time window for preparation and/or analysis are rejected (R). Detected results for samples properly preserved and analyzed greater than two times the holding time window for preparation and/or analysis are qualified as approximate (J). The entire sample target list for a VOC sample impacted by a holding time excursion is qualified.
Holding Time for Inorganics	Results for samples properly preserved and analyzed outside of but less than two times the holding time window established in the method or the QAPP for preparation and/or analysis are qualified as approximate (UJ, J-). Non-detected results for samples properly preserved and analyzed greater than two times the holding time window for preparation and/or analysis are rejected (R). Detected results for samples properly preserved and analyzed greater than two times the holding time window for preparation and/or analysis are qualified as approximate (J-).
Calibration Evaluation for VOCs	VOC target analytes are evaluated using the criteria of <20% percent relative standard deviation (%RSD) or correlation coefficient of 0.990 for initial calibration curves. Calibration verifications are evaluated using a criterion of 20 percent difference (%D) for target analytes. Initial calibrations and calibration verifications are also evaluated using the response factor (RF) criteria described in Table 4, Method 8260C. The following exceptions may be allowed: RFs ≥ 0.010 for poor purging target analytes such as ketones, acetonitrile, acrolein, propionitrile, vinyl acetate, 1,4-dioxane, alcohols, tetrahydrofuran, and cyclohexanone. Other target analytes not listed on Table 4 the RFs must be ≥ 0.050. For Ketones or other poor purging target analytes listed in Table 4 with RFs ≥ 0.010 and less than 0.100 results, data will be qualified as approximate (UJ, J). ICV recoveries are evaluated using laboratory control limits if available or 70 to 130%.
Calibration Evaluation for SVOCs	SVOC target analytes are evaluated using the criteria of <20% RSD or correlation coefficient of 0.990 for initial calibration curves. Calibration verifications are evaluated using a criterion of 20 %D for the target analytes. Initial calibrations and calibration verifications are also evaluated using the criterion for RFs listed in the method. ICV recoveries are evaluated using laboratory control limits if available or 70 to 130%.
Calibration Evaluation for Pesticides, PCBs and Herbicides	Pesticide and herbicide target analytes are evaluated using the criteria of 20 %RSD or correlation coefficient of 0.990 for initial calibration curves. Calibration verifications are evaluated using a criterion of 20%D for target analytes. ICV recoveries are evaluated using laboratory control limits if available or 70 to 130%.
Calibration Actions for Organics	Due to relative standard deviation (RSD) calibration excursions, detected results for analytes in samples associated with the calibration are qualified as approximate (J). Non-detected results associated with RSD excursions may be qualified as approximate (UJ) based on professional judgment. If the RSD calibration excursion is greater than 90, detected results for analytes in samples associated with the calibration are qualified as approximate (J) and non-detected results may be rejected (R), applying professional judgment. Due to %D calibration verification excursions, detected and non-detected results for analytes in samples associated with the calibration are qualified as approximate (J, UJ). The response direction and detection of target analytes in associated sample may be considered in applying qualifiers. For response factor excursions, detected results are qualified as approximate (J) and non-detected results are rejected (R). For initial calibration verifications (ICV) excursions, detected and non-detected results for analytes in samples associated with the calibration are qualified as approximate (J, UJ). The response direction and detection of target analytes in associated sample may be considered in applying qualifiers.

Table 3. Ramboll Data validation approach for SW-846 analytical methods including VOCs (8260C), SVOCs (8270D), Pesticides (8081B), PCBs (8082A), Metals (200.7/200.8), Mercury, (245.1), Cyanide (335.4) and other methods listed in the validation report	
System Performance Actions for VOCs	A system performance check (BFB) must be made during every 12-hour analytical shift. The mass spectra for the system performance check must meet the criteria given in the method. If ion abundance criteria are not met, professional judgment will be applied to determine to what extent the data may be qualified. The critical ion abundance criteria for BFB are the m/z 95/96, 174/ l 75, 174/176, and 176/ l 77 ratios. The relative abundances of m/z 50 and 75 are of lower importance and data associated with excursions are qualified as approximate (UJ, J). This issue is more critical for Tentatively Identified Compounds (TICs) than for target analytes.
Associating samples with Field and Laboratory QC Samples	Equipment blanks (Rinsate blanks) are associated with samples collected in the same day (or sampling event) using the same sample collection equipment and decontamination solutions. When sampling equipment or decontamination solutions are changed, a new equipment blank should be collected. Each sample should be associated with one equipment blank, which is collected as close to the sample collection date/time as possible.
	Field blanks are associated with the sample containers used to collect samples. When sampling container lots are changed, a new field blank should be collected.
	Method blanks are associated with samples prepared at the same time as the samples. Method blanks should reflect the sample matrix type.
	Laboratory Control Samples (LCSs) are solutions containing known amounts of target analytes, analyzed within the laboratory to evaluate recovery of target analytes without sample matrix impacts. The LCSs are associated with samples prepared at the same time as the samples.
	MS/MSD samples are collected in the field and spiked with known amounts of target analytes, analyzed in the laboratory to evaluate recovery and precision of target analytes. MS/MSDs measure the impact of matrix interference on target analytes. The MS/MSDs must be prepared using project samples and are associated with samples prepared at the same time with the same matrix type.
	Field duplicates and collocated samples are duplicate samples collected in the field to measure field precision and are associated with samples of the same matrix type.
	In the case that insufficient QC samples are provided due to field or laboratory problems, professional judgment is used to associate each sample with a QC sample that reflects the sample matrix and analysis conditions.
Evaluation and Actions for MS/MSD, LCS, Surrogate and Field Duplicate for Organic Data	The laboratory control limit (CL) provided in the laboratory SOP is used to assess MS/MSD, LCS, surrogate and IDA data.
	In the case that excursions are identified in more than one quality control sample of the same matrix within one sample delivery group, samples are batched according to sample preparation or analysis date and qualified accordingly.
	In general, if percent recoveries are less than laboratory CLs but greater than 10%, non-detected and detected results are qualified as approximate (UJ, J).
	If percent recoveries are greater than laboratory CLs, detected results are qualified as approximate (J).
	If percent recoveries are less than 10%, detected results are qualified as approximate (J) and non-detected results may be rejected (R), applying professional judgement.
	If RPDs for MSDs are outside of laboratory CLs, detected results are qualified as approximate (J). Non-detected results may not be qualified, applying professional judgment.
	Qualification is performed only when both MS and MSD recoveries are outside of laboratory CLs.
	Qualification is not performed for MS/MSD results if the sample concentration is greater than 4 times the MS or MSD spike concentration.
	Non-detected data are rejected (R) in the case that both MS/MSD recoveries are less than 10%.
	Qualification is not performed if MS/MSD are outside of laboratory CLs if the analysis was performed using a dilution factor of 10 times or more, applying professional judgment.
	Qualification of data associated with MS/MSD or field duplicate excursions is limited to the un-spiked sample or the field duplicate pair, respectively.

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	Field duplicate data are evaluated against relative percent difference (RPD) criteria of less than 30 percent for aqueous samples, 50 percent for soil samples and less than 100 percent for sediment samples when results are greater than or equal to five times the RL. When a field duplicate result is less than five times the RL, a control limit of plus or minus two times the RL (difference criterion) is applied. If RPDs or differences are outside of criterion, detected and non-detected results are qualified as approximate (UJ, J).
Evaluation and Actions for Blank Results (Trip, Method, Field, Equipment)	Blanks are analyzed to evaluate laboratory and/or field contamination of project samples. Method blanks evaluate potential laboratory contamination and field and equipment blanks evaluate potential field contamination. Blanks are not qualified due to contamination of another blank. Sample results qualified as non-detected (U) are treated as detected results when qualifying for other excursions. 1. For blank results less than the RL, samples with concentrations less than the RL are reported at the RL and qualified as non-detected (U). Samples with concentrations greater than or equal to the RL are not qualified or the Blank Rule Option may be applied. 2. For blank results greater than the RL, samples with concentrations less than the RL are reported at the RL and qualified as non-detected (U). Samples with concentrations greater than or equal to the RL and less than the blank contamination level are reported and qualified as non-detected (U). Samples with concentrations greater than or equal to the RL and greater than or equal to the blank contamination level are not qualified or the Blank Rule Option may be applied. 3. For blank results equal to the RL, sample concentrations less than the RL are reported at the RL value and qualified as non-detected (U). Samples greater than or equal to the RL are not qualified or the Blank Rule Option may be applied. 4. For gross contamination in blanks (interference peaks, poor baselines), all associated sample detected results may be rejected (R) or qualified as non-detected (U), applying professional judgment.
	Blank Rule Option- If a target analyte is detected in a blank at a concentration greater than the MDL, for samples with concentrations less than five times the blank concentration, the sample is qualified as non-detected (U) and reported at the RL. If methylene chloride, acetone, 2-butanone, or phthalates are detected in the sample at a concentration that is less than ten times the concentration in the associated blank, the sample result is qualified as "U". If other target analytes are detected in the sample at a concentration that is less than five times the concentration detected in the associated blank, the sample result is qualified as "U".
Evaluation and Actions for Surrogate Data for PCB, Pesticides and Herbicides	The following approach is utilized for applying qualifiers when both surrogate recoveries from the primary column are outside of laboratory CLs (also considering confirmation column results): Detected result associated with recovery of greater than upper laboratory CLs is qualified as approximate (J). Non-detected result is not qualified. Detected result associated with recovery of greater than or equal to 10% but less than the lower laboratory CL is qualified as approximate (J). Non-detected result is qualified as approximate (UJ). Detected result associated with recoveries of less than 10% is qualified as approximate (J). Non-detected result is rejected (R). If the sample was diluted using a dilution factor of 10 times or more, detected and non-detected results are not qualified since the surrogate concentration is diluted, using professional judgment. If the retention times of the surrogates are outside of the laboratory retention time window, associated sample results are qualified as approximate (UJ, J) or rejected (R), using professional judgment.
Evaluation of LCS Data for PCB, Pesticides and Herbicides	The following approach is utilized for applying qualifiers when one LCS result (including all primary and confirmation column results) is outside of laboratory CLs for recovery: 1. Detected result associated with recovery of greater than upper laboratory CL is qualified as approximate (J). Non-detected result is not qualified. 2. Detected result associated with recovery of less than lower laboratory CL is qualified as approximate (J). 3. Non-detected result associated with a recovery of less than 10% is rejected (R).

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Evaluation of MS/MSD Data for PCB, Pesticides and Herbicides	The following approach is utilized for applying qualifiers when both MS and MSD results are outside of laboratory CLs for recovery or RPD criteria: 1. Detected result associated with recoveries of greater than or equal to 10% is qualified as approximate (J). Non-detected result is qualified as approximate (UJ). 2. Detected result associated with recoveries of greater than the upper laboratory CL and outside of RPD criterion is qualified as approximate (J). Non-detected result is not qualified. 3. Detected result associated with recoveries of less than 10% is qualified as approximate (J). Non-detected result is rejected (R).
Evaluation of Internal Standards for Organics	Internal standard recoveries are evaluated using control limits of from 50% of the lower standard area to 100% of the upper standard area of the associated calibration verification standard. The results associated with internal standard area recoveries 25% or greater but less than 50% are qualified as approximate (J, UJ). Non-detected results associated with internal standard area recoveries less than 25% are rejected (R), using professional judgment.
Evaluation of Dual Column Results for Pesticide, Herbicides and PCB Data	RPD value, calculated for the positive results from the primary and confirmation chromatographic columns, is defined as the difference between the columns divided by the average of the two columns, times 100. The following approach is utilized for applying qualifiers: 1. For detected result greater than the method detection limit (MDL) and less than the QL, with a RPD greater than 50, replace result with the QL and qualify as non-detected (U). 2. For detected result greater than the QL with a RPD >40%%: a. With a RPD of 41 to 70, result is qualified as approximate (J). b. With a RPD > 71, result is qualified as approximate and tentative (JN).
Target Analyte Identifications	If incorrect target analyte identifications were made due to laboratory errors, the associated result will be corrected or rejected (R), applying professional judgment.
Target Analyte Identifications for Organics	If incorrect target analyte identifications were made due to data interpretation or laboratory transcription errors, the associated result will be corrected or rejected (R), applying professional judgment.
Evaluation of Initial (ICV) and Calibration Verification (CCV) for Metals, Mercury and Inorganics	Metals are evaluated using the criteria for ICV and CCV of 90% to 110% of the expected value. Mercury is evaluated using the criteria for ICV of 90% to 110% of the expected value and 80% to 120% of the expected value for the CCV. Cyanide are evaluated using the criteria for ICV of 90% to 110% of the expected value and 85%-115% of the expected value for the CCV. For analyses utilizing a calibration curve, the correlation coefficient for the first or second order curve must be ≥ 0.995.
ICV and CCV Actions for Metals, Mercury and Inorganics	For ICV and CCV recoveries outside of laboratory CLs: 1. Detected result associated with recovery of greater than upper CLs is qualified as approximate, biased high (J^+). Non-detected result is not qualified. 2. Detected result associated with recovery of greater than or equal to 75% but less than the lower laboratory CL is qualified as approximate, biased low (J^-). Non-detected result is qualified as approximate (UJ). 3. Detected result associated with recovery of less than 75% is qualified as approximate, biased low (J^-). Non-detected result is rejected (R).
Metals, Mercury, and Inorganic MS/MSD, Laboratory/Field Duplicate, Serial Dilution	Qualification of sample results associated with MS/MSD, laboratory duplicate and field duplicate excursions is performed on samples for the same matrix, within the same preparation batch, within the same SDG group. [Region II only qualifies the Field Duplicate and associated sample.]

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Evaluation of LCS Data for Metals and Inorganics	To apply qualifiers if LCS result is outside of laboratory CLs or 80 to 120%: Aqueous sample: 1. Detected and non-detected result associated with a recovery of less than 50% is rejected (R). 2. Detected result associated with recovery between 50 and 79%, is qualified as approximate (J-). Non-detected result is qualified as approximate (UJ). 3. Detected result associated with recoveries of between 121 and 150% is qualified as approximate (J+). 4. Detected result associated with recoveries of greater than 150% is rejected (R), applying professional judgment. Soil sample: 1. Detected result associated with recovery greater than the upper CL is qualified as approximate (J+). 2. Detected result associated with recovery less than the lower CL is qualified as approximate (J-) and non-detected result is qualified as approximate (UJ). 3. Detected and non-detected result associated with a recovery of less than 10% is rejected (R).
Evaluation of MS/MSD Data for Metals and Inorganics	To apply qualifiers if either MS or MSD result is outside of laboratory CL or 75 to 125%: Aqueous sample: 1. Detected and non-detected result associated with a recovery of less than 30% is rejected (R). 2. Detected result associated with recoveries between 30 and 74%, is qualified as approximate (J, or J-). Non-detected result is qualified as approximate (UJ). 3. Detected result associated with recoveries >126% are qualified as approximate (J, or J+). Soil sample: 1. Detected and non-detected result associated with a recovery of less than 10% is rejected (R). 2. Detected result associated with recovery of between 10 and 74%, is qualified as approximate (J, or J-). Non-detected result is qualified as approximate (UJ). 3. Detected result associated with recoveries > 126 are qualified as approximate (J, or J+).
Evaluation of Laboratory Duplicate for Metals and Inorganics	To apply qualifiers if laboratory duplicate results are outside of laboratory RPD control limits (or 20%) or difference criteria: Aqueous sample with sample and duplicate values both greater than or equal to 5 times the QL: 1. Detected result greater than or equal to the QL, associated with an RPD of greater than 20 is qualified as approximate (J). Aqueous sample when either detected sample or duplicate value is less than 5 times the QL: 1. Detected results with absolute difference greater than the QL are qualified as approximate (J). Non-detected results are qualified as approximate (UJ). Soil sample for sample and duplicate values both greater than or equal to 5 times the QL: 1. Detected result greater than or equal to the QL, associated with an RPD of greater than or equal to 20 is qualified as approximate (J). Soil sample when either detected sample or duplicate value is less than 5 times the QL: 1. Sample results with absolute difference greater than 2 times the QL are qualified as approximate (J). Non-detected results are qualified as approximate (UJ).
Evaluation of Blank Data for Metals and Inorganics	For calibration blanks and preparation blanks at concentrations greater than laboratory MDLs but less than or equal to QLs: 1. Concentration in the associated samples of greater than or equal to the MDLs but less than or equal to QLs are revised to the QL level and qualified as non-detected (U).
Evaluation of Blank Data for Metals and Inorganics	For calibration blanks, preparation blanks and field blanks at concentrations greater than laboratory QLs: 1. Concentration in the associated samples of greater than the blank concentration and less than ten times the blank concentration are qualified as approximate (J or J+).2. Concentrations in the associated samples of greater than or equal to the MDLs but less than or equal to QLs are revised to

Table 3. Ramboll Data validation approach for SW-846 analytical methods including VOCs (8260C), SVOCs (8270D), Pesticides (8081B), PCBs (8082A), Metals (200.7/200.8), Mercury, (245.1), Cyanide (335.4) and other methods listed in the validation report	
	the QL level and are qualified as non-detected (U). 3. Data may be rejected based on 2006 guidelines for sample results with concentrations greater than the QL but less than the blank value. For calibration blanks and preparation blanks at concentrations less than the negative value of the QLs: 1. Concentration in the associated samples of less than ten times the QLs are qualified as approximate (J). 2. Non-detected concentrations in the associated samples are qualified as approximate (UJ).
Evaluation of Serial Dilution Data for Metals	Serial dilution results are evaluated for data with initial sample concentrations that are greater than 50 times the MDL. If the percent difference is greater than 10%, associated sample results greater than or equal to the MDL are qualified as approximate (J). If the percent difference is greater than or equal to 100%, associated sample results greater than or equal to the MDL are rejected (R), applying professional judgment. The response direction and concentration of target analytes in associated sample may be considered in applying qualifiers.
Source: Ramboll	

Table 4.

Laboratory Quality Assurance /Quality Control (QA/QC) Analyses Definitions.

QA/QC Term	Definition
Quantitation limit (QL)	The level above which numerical results may be obtained with a specified degree of confidence; the minimum concentration of an analyte in a specific matrix that can be identified and quantified above the method detection limit and within specified limits of precision and bias during routine analytical operating conditions.
Method detection limit (MDL)	The minimum concentration of an analyte that undergoes preparation similar to the environmental samples and can be reported with a stated level of confidence that the analyte concentration is greater than zero.
Instrument detection limit (IDL)	The lowest concentration of a metal target analyte that, when directly inputted and processed on a specific analytical instrument, produces a signal/response that is statistically distinct from the signal/response arising from equipment "noise" alone.
Gas chromatography/mass spectrometry (GC/MS) instrument performance check	Performed to verify mass resolution, identification, and to some degree, instrument sensitivity. These criteria are not sample specific; conformance is determined using standard materials.
Calibration	Compliance requirements for satisfactory instrument calibration are established to verify that the instrument is capable of producing acceptable quantitative data. Initial calibration demonstrates that the instrument is capable of acceptable performance at the beginning of analysis and calibration verifications document satisfactory maintenance and adjustment of the instrument on a day-to-day basis.
Relative Response Factor (RRF)	A measure of the relative mass spectral response of an analyte compared to its internal standard. Relative Response Factors are determined by analysis of standards and are used in the calculation of concentrations of analytes in samples.
Relative standard deviation (RSD)	The standard deviation divided by the mean; a unit-free measure of variability.
Correlation coefficient (CC)	A measure of the strength of the relationship between two variables.
Relative Percent Difference (RPD)	Used to compare two values; the relative percent difference is based on the mean of the two values, and is reported as an absolute value, i.e., always expressed as a positive number or zero.
Percent Difference (%D)	Used to compare two values; the percent difference indicates both the direction and the magnitude of the comparison, i.e., the percent difference may be either negative, positive, or zero.
Percent Deviation (%DEV)	The RF must be within 30% of the mean value measured in the initial calibration or the true value of the calibration verification standard.
Percent Recovery (%R)	The act of determining whether or not the methodology measures all of the target analytes contained in a sample.
Calibration blank (CB)	Consists of acids and reagent water used to prepare metal samples for analysis. This type of blank is analyzed to evaluate whether contamination is occurring during the preparation and analysis of the sample.
Method blank (MB)	A water or soil blank that undergoes the preparation procedures applied to a sample (i.e., extraction, digestion, clean-up). These samples are analyzed to examine whether sample preparation, clean-up, and analysis techniques result in sample contamination.
Field/equipment (FB/EB)	Collected and submitted for laboratory analysis, where appropriate. Field/equipment blanks are handled in the same manner as environmental samples. Field/equipment blanks are analyzed to assess contamination introduced during field sampling procedures.

Table 4.

Laboratory Quality Assurance / Quality Control (QA / QC) Analyses Definitions.

Trip blank (TB)	Consist of samples of analyte-free water that have undergone shipment from the sampling site to the laboratory in coolers with the environmental samples submitted for volatile organic compound (VOC) analysis. Trip blanks will be analyzed for VOCs to determine if contamination has taken place during sample handling and/or shipment. Trip blanks will be utilized at a frequency of one each per cooler sent to the laboratory for VOC analysis.
Internal standards (IS) performance	Compounds not found in environmental samples which are spiked into samples and quality control samples at the time of sample preparation for organic analyses. Internal standards must meet retention time and recovery criteria specified in the analytical method. Internal standards are used as the basis for quantitation of the target analytes.
Surrogate recovery	Compounds similar in nature to the target analytes but not expected to be detected in the environmental media which are spiked into environmental samples, blanks, and quality control samples prior to sample preparation for organic analyses. Surrogates are used to evaluate analytical efficiency by measuring recovery.
Laboratory control sample (LCS) Matrix spike blank analyses (MSB)	Standard solutions that consist of known concentrations of the target analytes spiked into laboratory analyte-free water or sand. They are prepared or purchased from a certified manufacturer from a source independent from the calibration standards to provide an independent verification of the calibration procedure. They are prepared and analyzed following the same procedures employed for environmental sample analysis to assess method accuracy independently of sample matrix effects.
Laboratory duplicate	Two or more representative portions taken from one homogeneous sample by the analyst and analyzed in the same laboratory.
Matrix	The material of which the sample is composed or the substrate containing the analyte of interest, such as drinking water, waste water, air, soil/sediment, biological material.
Matrix Spike (MS)	An aliquot of a matrix (water or soil) fortified (spiked) with known quantities of specific target analytes and subjected to the entire analytical procedure in order to indicate the appropriateness of the method for the matrix by measuring recovery.
Matrix spike duplicate (MSD)	A second aliquot of the same matrix as the matrix spike that is spiked in order to determine the precision of the method.
Retention time (RT)	The time a target analyte is retained on a GC column before elution. The identification of a target analyte is dependent on a target compound's retention time falling within the specified retention time window established for that compound.
Relative retention time (RRT)	The ratio of the retention time of a compound to that of a standard.

Source: Ramboll

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo
Job No.: 480-183898-1
SDG No.:
Client Sample ID: SS20-17-0-1-042621
Lab Sample ID: 480-183898-16
Matrix: Solid
Lab File ID: 7_95-240.D
Analysis Method: 8082A
Date Collected: 04/26/2021 16:42
Extraction Method: 3550C
Date Extracted: 04/30/2021 07:35
Sample wt/vol: 2.18(g)
Date Analyzed: 05/04/2021 06:34
Con. Extract Vol.: 10(mL)
Dilution Factor: 1
Injection Volume: 1(uL)
GC Column: ZB-5 ID: 0.53(mm)
% Moisture: 33.2
GPC Cleanup:(Y/N) N
Analysis Batch No.: 579056
Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND		0.34	0.067
11104-28-2	PCB-1221	ND		0.34	0.067
11141-16-5	PCB-1232	ND		0.34	0.067
53469-21-9	PCB-1242	ND		0.34	0.067
12672-29-6	PCB-1248	0.19	J	0.34	0.067
11097-69-1	PCB-1254	ND		0.34	0.16
11096-82-5	PCB-1260	ND		0.34	0.16

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	142		60-154
2051-24-3	DCB Decachlorobiphenyl	128		65-174

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-183898-1

SDG No.:

Client Sample ID: SS20-17-1-2-042621 Lab Sample ID: 480-183898-17

Matrix: Solid Lab File ID: 7_95-241.D

Analysis Method: 8082A Date Collected: 04/26/2021 16:45

Extraction Method: 3550C Date Extracted: 04/30/2021 07:35

Sample wt/vol: 2.35(g) Date Analyzed: 05/04/2021 06:50

Con. Extract Vol.: 10(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: ZB-5 ID: 0.53(mm)

% Moisture: 43.2 GPC Cleanup:(Y/N) N

Analysis Batch No.: 579056 Units: mg/Kg

qualify J

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND		0.37	0.073
11104-28-2	PCB-1221	ND		0.37	0.073
11141-16-5	PCB-1232	ND		0.37	0.073
53469-21-9	PCB-1242	ND		0.37	0.073
12672-29-6	PCB-1248	0.49		0.37	0.073
11097-69-1	PCB-1254	ND		0.37	0.18
11096-82-5	PCB-1260	ND		0.37	0.18

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	143		60-154
2051-24-3	DCB Decachlorobiphenyl	127		65-174

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-183955-1

SDG No.:

Client Sample ID: SB20-05-1-2-042821 Lab Sample ID: 480-183955-14

Matrix: Solid Lab File ID: 7_96-015.D

Analysis Method: 8082A Date Collected: 04/28/2021 10:32

Extraction Method: 3550C Date Extracted: 05/05/2021 08:06

Sample wt/vol: 2.85(g) Date Analyzed: 05/06/2021 21:24

Con. Extract Vol.: 10(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: ZB-35 ID: 0.53(mm)

% Moisture: 15.0 GPC Cleanup:(Y/N) N

Analysis Batch No.: 579696 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND		0.21	0.040
11104-28-2	PCB-1221	ND		0.21	0.040
11141-16-5	PCB-1232	ND		0.21	0.040
53469-21-9	PCB-1242	ND		0.21	0.040
12672-29-6	PCB-1248	0.043	J	0.21	0.040
11097-69-1	PCB-1254	ND		0.21	0.097
11096-82-5	PCB-1260	ND		0.21	0.097

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	133		60-154
2051-24-3	DCB Decachlorobiphenyl	154		65-174

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-184078-1

SDG No.:

Client Sample ID: SB20-15-0-1-043021 Lab Sample ID: 480-184078-10

Matrix: Solid Lab File ID: 7_96-039.D

Analysis Method: 8082A Date Collected: 04/30/2021 08:19

Extraction Method: 3550C Date Extracted: 05/05/2021 07:53

Sample wt/vol: 2.37(g) Date Analyzed: 05/07/2021 03:45

Con. Extract Vol.: 10(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: ZB-5 ID: 0.53(mm)

% Moisture: 30.3 GPC Cleanup:(Y/N) N

Analysis Batch No.: 579696 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND		0.30	0.059
11104-28-2	PCB-1221	ND		0.30	0.059
11141-16-5	PCB-1232	ND		0.30	0.059
53469-21-9	PCB-1242	ND		0.30	0.059
12672-29-6	PCB-1248	0.13	J	0.30	0.059
11097-69-1	PCB-1254	ND		0.30	0.14
11096-82-5	PCB-1260	ND		0.30	0.14

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	132		60-154
2051-24-3	DCB Decachlorobiphenyl	108		65-174

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-184078-1

SDG No.:

Client Sample ID: SB20-16-0-1-043021 Lab Sample ID: 480-184078-22

Matrix: Solid Lab File ID: 7_96-222.D

Analysis Method: 8082A Date Collected: 04/30/2021 09:44

Extraction Method: 3550C Date Extracted: 05/05/2021 08:00

Sample wt/vol: 2.58(g) Date Analyzed: 05/12/2021 19:31

Con. Extract Vol.: 10(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: ZB-35 ID: 0.53(mm)

% Moisture: 29.0 GPC Cleanup:(Y/N) N

Analysis Batch No.: 580591 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND		0.27	0.053
11104-28-2	PCB-1221	ND		0.27	0.053
11141-16-5	PCB-1232	ND		0.27	0.053
53469-21-9	PCB-1242	ND		0.27	0.053
12672-29-6	PCB-1248	1.8		0.27	0.053
11097-69-1	PCB-1254	ND		0.27	0.13
11096-82-5	PCB-1260	ND		0.27	0.13

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	113		60-154
2051-24-3	DCB Decachlorobiphenyl	117		65-174

Qualify J

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-184078-1

SDG No.:

Client Sample ID: SB20-16-1-2-043021 Lab Sample ID: 480-184078-23

Matrix: Solid Lab File ID: 7_96-223.D

Analysis Method: 8082A Date Collected: 04/30/2021 09:50

Extraction Method: 3550C Date Extracted: 05/05/2021 08:00

Sample wt/vol: 2.68(g) Date Analyzed: 05/12/2021 19:45

Con. Extract Vol.: 10(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: ZB-35 ID: 0.53(mm)

% Moisture: 19.1 GPC Cleanup:(Y/N) N

Analysis Batch No.: 580591 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND		0.23	0.045
11104-28-2	PCB-1221	ND		0.23	0.045
11141-16-5	PCB-1232	ND		0.23	0.045
53469-21-9	PCB-1242	ND		0.23	0.045
12672-29-6	PCB-1248	0.16	J	0.23	0.045
11097-69-1	PCB-1254	ND		0.23	0.11
11096-82-5	PCB-1260	ND		0.23	0.11

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	128		60-154
2051-24-3	DCB Decachlorobiphenyl	123		65-174

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-184078-1

SDG No.:

Client Sample ID: SB20-16-3-4-043021 Lab Sample ID: 480-184078-25

Matrix: Solid Lab File ID: 7_96-225.D

Analysis Method: 8082A Date Collected: 04/30/2021 10:05

Extraction Method: 3550C Date Extracted: 05/05/2021 08:00

Sample wt/vol: 2.67(g) Date Analyzed: 05/12/2021 20:12

Con. Extract Vol.: 10(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: ZB-35 ID: 0.53(mm)

% Moisture: 12.0 GPC Cleanup:(Y/N) N

Analysis Batch No.: 580591 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND		0.21	0.042
11104-28-2	PCB-1221	ND		0.21	0.042
11141-16-5	PCB-1232	ND		0.21	0.042
53469-21-9	PCB-1242	ND		0.21	0.042
12672-29-6	PCB-1248	0.12	J	0.21	0.042
11097-69-1	PCB-1254	ND		0.21	0.10
11096-82-5	PCB-1260	ND		0.21	0.10

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	118		60-154
2051-24-3	DCB Decachlorobiphenyl	110		65-174

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-184078-1

SDG No.:

Client Sample ID: SB20-17-0-1-043021 Lab Sample ID: 480-184078-34

Matrix: Solid Lab File ID: 7_96-234.D

Analysis Method: 8082A Date Collected: 04/30/2021 11:43

Extraction Method: 3550C Date Extracted: 05/05/2021 08:00

Sample wt/vol: 2.16(g) Date Analyzed: 05/12/2021 22:13

Con. Extract Vol.: 10(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: ZB-35 ID: 0.53(mm)

% Moisture: 28.7 GPC Cleanup:(Y/N) N

Analysis Batch No.: 580591 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND		0.32	0.063
11104-28-2	PCB-1221	ND		0.32	0.063
11141-16-5	PCB-1232	ND		0.32	0.063
53469-21-9	PCB-1242	ND		0.32	0.063
12672-29-6	PCB-1248	0.41		0.32	0.063
11097-69-1	PCB-1254	ND		0.32	0.15
11096-82-5	PCB-1260	ND		0.32	0.15

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	112		60-154
2051-24-3	DCB Decachlorobiphenyl	102		65-174

Qualify J

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-184078-1

SDG No.:

Client Sample ID: SB20-17-1-2-043021 Lab Sample ID: 480-184078-35

Matrix: Solid Lab File ID: 7_96-347.D

Analysis Method: 8082A Date Collected: 04/30/2021 11:45

Extraction Method: 3550C Date Extracted: 05/05/2021 08:00

Sample wt/vol: 2.29(g) Date Analyzed: 05/14/2021 01:48

Con. Extract Vol.: 10(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: ZB-35 ID: 0.53(mm)

% Moisture: 28.5 GPC Cleanup:(Y/N) N

Analysis Batch No.: 580931 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND		0.31	0.060
11104-28-2	PCB-1221	ND		0.31	0.060
11141-16-5	PCB-1232	ND		0.31	0.060
53469-21-9	PCB-1242	ND		0.31	0.060
12672-29-6	PCB-1248	0.49		0.31	0.060
11097-69-1	PCB-1254	ND		0.31	0.14
11096-82-5	PCB-1260	ND		0.31	0.14

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	136		60-154
2051-24-3	DCB Decachlorobiphenyl	135		65-174

Qualify J

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-184386-1

SDG No.:

Client Sample ID: SS20-01-0-1 Lab Sample ID: 480-184386-16

Matrix: Solid Lab File ID: 7_98-050.D

Analysis Method: 8082A Date Collected: 05/06/2021 09:30

Extraction Method: 3550C Date Extracted: 05/11/2021 08:13

Sample wt/vol: 2.66(g) Date Analyzed: 05/19/2021 23:46

Con. Extract Vol.: 10(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: ZB-35 ID: 0.53(mm)

% Moisture: 46.6 GPC Cleanup:(Y/N) N

Analysis Batch No.: 581681 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND		0.35	0.069
11104-28-2	PCB-1221	ND		0.35	0.069
11141-16-5	PCB-1232	ND		0.35	0.069
53469-21-9	PCB-1242	ND		0.35	0.069
12672-29-6	PCB-1248	0.10	J	0.35	0.069
11097-69-1	PCB-1254	ND		0.35	0.16
11096-82-5	PCB-1260	ND		0.35	0.16

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	118		60-154
2051-24-3	DCB Decachlorobiphenyl	111		65-174

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-184386-1

SDG No.:

Client Sample ID: SS20-04-1-2 Lab Sample ID: 480-184386-19

Matrix: Solid Lab File ID: 7_98-101.D

Analysis Method: 8082A Date Collected: 05/06/2021 09:50

Extraction Method: 3550C Date Extracted: 05/11/2021 08:13

Sample wt/vol: 2.46(g) Date Analyzed: 05/20/2021 14:38

Con. Extract Vol.: 10(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: ZB-35 ID: 0.53(mm)

% Moisture: 29.5 GPC Cleanup:(Y/N) N

Analysis Batch No.: 581872 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND		0.29	0.056
11104-28-2	PCB-1221	ND		0.29	0.056
11141-16-5	PCB-1232	ND		0.29	0.056
53469-21-9	PCB-1242	ND		0.29	0.056
12672-29-6	PCB-1248	0.11	J	0.29	0.056
11097-69-1	PCB-1254	ND		0.29	0.13
11096-82-5	PCB-1260	ND		0.29	0.13

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	124		60-154
2051-24-3	DCB Decachlorobiphenyl	124		65-174

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-184428-1

SDG No.:

Client Sample ID: SB20-21-1-2 Lab Sample ID: 480-184428-2

Matrix: Solid Lab File ID: 7_97-143.D

Analysis Method: 8082A Date Collected: 05/03/2021 12:30

Extraction Method: 3550C Date Extracted: 05/12/2021 08:02

Sample wt/vol: 2.34(g) Date Analyzed: 05/16/2021 11:59

Con. Extract Vol.: 10(mL) Dilution Factor: 10

Injection Volume: 1(uL) GC Column: ZB-5 ID: 0.53(mm)

% Moisture: 14.0 GPC Cleanup:(Y/N) N

Qualify J+

Analysis Batch No.: 581111 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND	F1	2.5	0.49
11104-28-2	PCB-1221	ND		2.5	0.49
11141-16-5	PCB-1232	ND		2.5	0.49
53469-21-9	PCB-1242	ND		2.5	0.49
12672-29-6	PCB-1248	23		2.5	0.49
11097-69-1	PCB-1254	ND		2.5	1.2
11096-82-5	PCB-1260	ND	F1	2.5	1.2

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	162	S1+	60-154
2051-24-3	DCB Decachlorobiphenyl	166		65-174

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-184428-1

SDG No.:

Client Sample ID: SB20-21-4-5 Lab Sample ID: 480-184428-5

Matrix: Solid Lab File ID: 7_97-097.D

Analysis Method: 8082A Date Collected: 05/03/2021 12:53

Extraction Method: 3550C Date Extracted: 05/12/2021 08:02

Sample wt/vol: 2.19(g) Date Analyzed: 05/16/2021 01:32

Con. Extract Vol.: 10(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: ZB-5 ID: 0.53(mm)

% Moisture: 15.5 GPC Cleanup:(Y/N) N

Analysis Batch No.: 581111 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND		0.27	0.053
11104-28-2	PCB-1221	ND		0.27	0.053
11141-16-5	PCB-1232	ND		0.27	0.053
53469-21-9	PCB-1242	ND		0.27	0.053
12672-29-6	PCB-1248	0.26	J	0.27	0.053
11097-69-1	PCB-1254	ND		0.27	0.13
11096-82-5	PCB-1260	ND		0.27	0.13

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	139		60-154
2051-24-3	DCB Decachlorobiphenyl	130		65-174

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-184428-1

SDG No.:

Client Sample ID: SB20-19-0-1 Lab Sample ID: 480-184428-39

Matrix: Solid Lab File ID: 7_97-139.D

Analysis Method: 8082A Date Collected: 05/04/2021 08:05

Extraction Method: 3550C Date Extracted: 05/12/2021 10:03

Sample wt/vol: 2.02(g) Date Analyzed: 05/16/2021 10:30

Con. Extract Vol.: 10(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: ZB-5 ID: 0.53(mm)

% Moisture: 27.1 GPC Cleanup:(Y/N) N

Analysis Batch No.: 581111 Units: mg/Kg

Qualify J

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND		0.34	0.066
11104-28-2	PCB-1221	ND		0.34	0.066
11141-16-5	PCB-1232	ND		0.34	0.066
53469-21-9	PCB-1242	ND		0.34	0.066
12672-29-6	PCB-1248	ND		0.34	0.066
11097-69-1	PCB-1254	0.84		0.34	0.16
11096-82-5	PCB-1260	ND		0.34	0.16

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	131		60-154
2051-24-3	DCB Decachlorobiphenyl	121		65-174

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-184428-1

SDG No.:

Client Sample ID: SB20-11--0-1 Lab Sample ID: 480-184428-51

Matrix: Solid Lab File ID: 7_97-182.D

Analysis Method: 8082A Date Collected: 05/04/2021 09:36

Extraction Method: 3550C Date Extracted: 05/12/2021 10:09

Sample wt/vol: 2.65(g) Date Analyzed: 05/16/2021 22:46

Con. Extract Vol.: 10(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: ZB-35 ID: 0.53(mm)

% Moisture: 28.5 GPC Cleanup:(Y/N) N

Analysis Batch No.: 581166 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND		0.26	0.052
11104-28-2	PCB-1221	ND		0.26	0.052
11141-16-5	PCB-1232	ND		0.26	0.052
53469-21-9	PCB-1242	ND		0.26	0.052
12672-29-6	PCB-1248	0.16	J	0.26	0.052
11097-69-1	PCB-1254	ND		0.26	0.12
11096-82-5	PCB-1260	ND		0.26	0.12

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	125		60-154
2051-24-3	DCB Decachlorobiphenyl	119		65-174

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-184428-1

SDG No.:

Client Sample ID: X-8 Lab Sample ID: 480-184428-59

Matrix: Solid Lab File ID: 7_97-187.D

Analysis Method: 8082A Date Collected: 05/04/2021 00:00

Extraction Method: 3550C Date Extracted: 05/12/2021 10:09

Sample wt/vol: 2.39(g) Date Analyzed: 05/16/2021 23:51

Con. Extract Vol.: 10(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: ZB-35 ID: 0.53(mm)

% Moisture: 28.0 GPC Cleanup:(Y/N) N

Analysis Batch No.: 581166 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND		0.29	0.057
11104-28-2	PCB-1221	ND		0.29	0.057
11141-16-5	PCB-1232	ND		0.29	0.057
53469-21-9	PCB-1242	ND		0.29	0.057
12672-29-6	PCB-1248	0.23	J	0.29	0.057
11097-69-1	PCB-1254	ND		0.29	0.14
11096-82-5	PCB-1260	ND		0.29	0.14

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	124		60-154
2051-24-3	DCB Decachlorobiphenyl	116		65-174

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-184431-1

SDG No.:

Client Sample ID: SS20-34-0-1 Lab Sample ID: 480-184431-11

Matrix: Solid Lab File ID: 7_97-297.D

Analysis Method: 8082A Date Collected: 05/05/2021 09:07

Extraction Method: 3550C Date Extracted: 05/13/2021 08:27

Sample wt/vol: 2.38(g) Date Analyzed: 05/18/2021 16:38

Con. Extract Vol.: 10(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: ZB-35 ID: 0.53(mm)

% Moisture: 40.1 GPC Cleanup:(Y/N) N

Analysis Batch No.: 581468 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND		0.35	0.069
11104-28-2	PCB-1221	ND		0.35	0.069
11141-16-5	PCB-1232	ND		0.35	0.069
53469-21-9	PCB-1242	ND		0.35	0.069
12672-29-6	PCB-1248	0.22	J	0.35	0.069
11097-69-1	PCB-1254	ND		0.35	0.16
11096-82-5	PCB-1260	ND		0.35	0.16

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	117		60-154
2051-24-3	DCB Decachlorobiphenyl	127		65-174

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-184431-1

SDG No.:

Client Sample ID: SS20-35-0-1 Lab Sample ID: 480-184431-13

Matrix: Solid Lab File ID: 7_97-299.D

Analysis Method: 8082A Date Collected: 05/05/2021 09:30

Extraction Method: 3550C Date Extracted: 05/13/2021 08:27

Sample wt/vol: 2.20(g) Date Analyzed: 05/18/2021 17:03

Con. Extract Vol.: 10(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: ZB-35 ID: 0.53(mm)

% Moisture: 24.7 GPC Cleanup:(Y/N) N

Analysis Batch No.: 581468 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND		0.30	0.059
11104-28-2	PCB-1221	ND		0.30	0.059
11141-16-5	PCB-1232	ND		0.30	0.059
53469-21-9	PCB-1242	ND		0.30	0.059
12672-29-6	PCB-1248	0.14	J	0.30	0.059
11097-69-1	PCB-1254	ND		0.30	0.14
11096-82-5	PCB-1260	ND		0.30	0.14

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	117		60-154
2051-24-3	DCB Decachlorobiphenyl	120		65-174

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-184431-1

SDG No.:

Client Sample ID: SS20-35-1-2 Lab Sample ID: 480-184431-14

Matrix: Solid Lab File ID: 7_97-300.D

Analysis Method: 8082A Date Collected: 05/05/2021 09:35

Extraction Method: 3550C Date Extracted: 05/13/2021 08:27

Sample wt/vol: 2.69(g) Date Analyzed: 05/18/2021 17:16

Con. Extract Vol.: 10(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: ZB-35 ID: 0.53(mm)

% Moisture: 19.4 GPC Cleanup:(Y/N) N

Analysis Batch No.: 581468 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND		0.23	0.045
11104-28-2	PCB-1221	ND		0.23	0.045
11141-16-5	PCB-1232	ND		0.23	0.045
53469-21-9	PCB-1242	ND		0.23	0.045
12672-29-6	PCB-1248	0.11	J	0.23	0.045
11097-69-1	PCB-1254	ND		0.23	0.11
11096-82-5	PCB-1260	ND		0.23	0.11

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	123		60-154
2051-24-3	DCB Decachlorobiphenyl	128		65-174

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo
Job No.: 480-184431-1
SDG No.:
Client Sample ID: SS20-05-0-1
Lab Sample ID: 480-184431-27
Matrix: Solid
Lab File ID: 7_97-322.D
Analysis Method: 8082A
Date Collected: 05/05/2021 12:40
Extraction Method: 3550C
Date Extracted: 05/13/2021 08:18
Sample wt/vol: 2.09(g)
Date Analyzed: 05/18/2021 21:58
Con. Extract Vol.: 10(mL)
Dilution Factor: 1
Injection Volume: 1(uL)
GC Column: ZB-35 ID: 0.53(mm)
% Moisture: 51.3
GPC Cleanup:(Y/N) N
Analysis Batch No.: 581468
Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND		0.49	0.096
11104-28-2	PCB-1221	ND		0.49	0.096
11141-16-5	PCB-1232	ND		0.49	0.096
53469-21-9	PCB-1242	ND		0.49	0.096
12672-29-6	PCB-1248	0.12	J	0.49	0.096
11097-69-1	PCB-1254	ND		0.49	0.23
11096-82-5	PCB-1260	ND		0.49	0.23

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	125		60-154
2051-24-3	DCB Decachlorobiphenyl	126		65-174

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-184457-1

SDG No.:

Client Sample ID: SED20-35-0.5-1.0 Lab Sample ID: 480-184457-2

Matrix: Solid Lab File ID: 7_98-246.D

Analysis Method: 8082A Date Collected: 05/06/2021 13:28

Extraction Method: 3550C Date Extracted: 05/24/2021 07:24

Sample wt/vol: 30.09(g) Date Analyzed: 05/24/2021 22:56

Con. Extract Vol.: 10(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: ZB-35 ID: 0.53(mm)

% Moisture: 20.2 GPC Cleanup:(Y/N) N

Analysis Batch No.: 582398 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND		0.021	0.0041
11104-28-2	PCB-1221	ND		0.021	0.0041
11141-16-5	PCB-1232	ND		0.021	0.0041
53469-21-9	PCB-1242	ND		0.021	0.0041
12672-29-6	PCB-1248	0.011	J	0.021	0.0041
11097-69-1	PCB-1254	ND		0.021	0.0098
11096-82-5	PCB-1260	ND		0.021	0.0098

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	82		60-154
2051-24-3	DCB Decachlorobiphenyl	100		65-174

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-184457-1

SDG No.:

Client Sample ID: SED20-07-0-0.5 Lab Sample ID: 480-184457-4

Matrix: Solid Lab File ID: 7_98-248.D

Analysis Method: 8082A Date Collected: 05/06/2021 15:30

Extraction Method: 3550C Date Extracted: 05/24/2021 07:24

Sample wt/vol: 30.15(g) Date Analyzed: 05/24/2021 23:21

Con. Extract Vol.: 10(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: ZB-35 ID: 0.53(mm)

% Moisture: 36.9 GPC Cleanup:(Y/N) N

Analysis Batch No.: 582398 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND		0.026	0.0051
11104-28-2	PCB-1221	ND		0.026	0.0051
11141-16-5	PCB-1232	ND		0.026	0.0051
53469-21-9	PCB-1242	ND		0.026	0.0051
12672-29-6	PCB-1248	0.014	J	0.026	0.0051
11097-69-1	PCB-1254	ND		0.026	0.012
11096-82-5	PCB-1260	ND		0.026	0.012

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	89		60-154
2051-24-3	DCB Decachlorobiphenyl	107		65-174

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo
Job No.: 480-184457-1
SDG No.:
Client Sample ID: SED20-36-0.5-1.0
Lab Sample ID: 480-184457-11
Matrix: Solid
Lab File ID: 7_98-255.D
Analysis Method: 8082A
Date Collected: 05/06/2021 16:50
Extraction Method: 3550C
Date Extracted: 05/24/2021 07:24
Sample wt/vol: 30.08(g)
Date Analyzed: 05/25/2021 00:51
Con. Extract Vol.: 10(mL)
Dilution Factor: 1
Injection Volume: 1(uL)
GC Column: ZB-35 ID: 0.53(mm)
% Moisture: 38.0
GPC Cleanup:(Y/N) N
Analysis Batch No.: 582398
Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND		0.027	0.0052
11104-28-2	PCB-1221	ND		0.027	0.0052
11141-16-5	PCB-1232	ND		0.027	0.0052
53469-21-9	PCB-1242	ND		0.027	0.0052
12672-29-6	PCB-1248	0.023	J	0.027	0.0052
11097-69-1	PCB-1254	ND		0.027	0.013
11096-82-5	PCB-1260	ND		0.027	0.013

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	90		60-154
2051-24-3	DCB Decachlorobiphenyl	98		65-174

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-184457-1

SDG No.:

Client Sample ID: SED20-06-0.4-0.8 Lab Sample ID: 480-184457-18

Matrix: Solid Lab File ID: 7_98-261.D

Analysis Method: 8082A Date Collected: 05/07/2021 10:37

Extraction Method: 3550C Date Extracted: 05/24/2021 07:24

Sample wt/vol: 30.29(g) Date Analyzed: 05/25/2021 02:08

Con. Extract Vol.: 10(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: ZB-35 ID: 0.53(mm)

% Moisture: 38.0 GPC Cleanup:(Y/N) N

Analysis Batch No.: 582398 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND		0.027	0.0052
11104-28-2	PCB-1221	ND		0.027	0.0052
11141-16-5	PCB-1232	ND		0.027	0.0052
53469-21-9	PCB-1242	ND		0.027	0.0052
12672-29-6	PCB-1248	0.0074	J	0.027	0.0052
11097-69-1	PCB-1254	ND		0.027	0.012
11096-82-5	PCB-1260	ND		0.027	0.012

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	85		60-154
2051-24-3	DCB Decachlorobiphenyl	99		65-174

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo
Job No.: 480-184457-1
SDG No.:
Client Sample ID: SED20-37-0-0.4
Lab Sample ID: 480-184457-22
Matrix: Solid
Lab File ID: 6_088-274.D
Analysis Method: 8082A
Date Collected: 05/07/2021 12:00
Extraction Method: 3550C
Date Extracted: 05/25/2021 07:35
Sample wt/vol: 30.25(g)
Date Analyzed: 05/26/2021 03:10
Con. Extract Vol.: 10(mL)
Dilution Factor: 1
Injection Volume: 1(uL)
GC Column: ZB-35 ID: 0.53(mm)
% Moisture: 67.0
GPC Cleanup:(Y/N) N
Analysis Batch No.: 582611
Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND		0.050	0.0098
11104-28-2	PCB-1221	ND		0.050	0.0098
11141-16-5	PCB-1232	ND		0.050	0.0098
53469-21-9	PCB-1242	ND		0.050	0.0098
12672-29-6	PCB-1248	0.15		0.050	0.0098
11097-69-1	PCB-1254	ND		0.050	0.024
11096-82-5	PCB-1260	ND		0.050	0.024

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	102		60-154
2051-24-3	DCB Decachlorobiphenyl	97		65-174

Qualify PCB-1248 J

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-184457-1

SDG No.:

Client Sample ID: SED20-37-0.4-0.8 Lab Sample ID: 480-184457-23

Matrix: Solid Lab File ID: 6_088-275.D

Analysis Method: 8082A Date Collected: 05/07/2021 12:03

Extraction Method: 3550C Date Extracted: 05/25/2021 07:35

Sample wt/vol: 30.64(g) Date Analyzed: 05/26/2021 03:23

Con. Extract Vol.: 10(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: ZB-35 ID: 0.53(mm)

% Moisture: 38.6 GPC Cleanup:(Y/N) N

Analysis Batch No.: 582611 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND		0.027	0.0052
11104-28-2	PCB-1221	ND		0.027	0.0052
11141-16-5	PCB-1232	ND		0.027	0.0052
53469-21-9	PCB-1242	ND		0.027	0.0052
12672-29-6	PCB-1248	0.023	J	0.027	0.0052
11097-69-1	PCB-1254	ND		0.027	0.012
11096-82-5	PCB-1260	ND		0.027	0.012

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	101		60-154
2051-24-3	DCB Decachlorobiphenyl	102		65-174

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo
Job No.: 480-184457-1
SDG No.:
Client Sample ID: SED20-10-0-0.5
Lab Sample ID: 480-184457-25
Matrix: Solid
Lab File ID: 6_088-277.D
Analysis Method: 8082A
Date Collected: 05/07/2021 12:24
Extraction Method: 3550C
Date Extracted: 05/25/2021 07:35
Sample wt/vol: 30.10(g)
Date Analyzed: 05/26/2021 03:49
Con. Extract Vol.: 10(mL)
Dilution Factor: 1
Injection Volume: 1(uL)
GC Column: ZB-35 ID: 0.53(mm)
% Moisture: 86.0
GPC Cleanup:(Y/N) N
Analysis Batch No.: 582611
Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND		0.12	0.023
11104-28-2	PCB-1221	ND		0.12	0.023
11141-16-5	PCB-1232	ND		0.12	0.023
53469-21-9	PCB-1242	ND		0.12	0.023
12672-29-6	PCB-1248	0.63		0.12	0.023
11097-69-1	PCB-1254	ND		0.12	0.056
11096-82-5	PCB-1260	ND		0.12	0.056

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	104		60-154
2051-24-3	DCB Decachlorobiphenyl	104		65-174

Qualify PCB-1248 J; qualify non-detect PCBs UJ

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-184457-1

SDG No.:

Client Sample ID: SED20-10-0.5-1.0 Lab Sample ID: 480-184457-26

Matrix: Solid Lab File ID: 6_088-278.D

Analysis Method: 8082A Date Collected: 05/07/2021 12:27

Extraction Method: 3550C Date Extracted: 05/25/2021 07:35

Sample wt/vol: 30.55(g) Date Analyzed: 05/26/2021 04:01

Con. Extract Vol.: 10(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: ZB-35 ID: 0.53(mm)

% Moisture: 41.8 GPC Cleanup:(Y/N) N

Analysis Batch No.: 582611 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND		0.028	0.0055
11104-28-2	PCB-1221	ND		0.028	0.0055
11141-16-5	PCB-1232	ND		0.028	0.0055
53469-21-9	PCB-1242	ND		0.028	0.0055
12672-29-6	PCB-1248	0.024	J	0.028	0.0055
11097-69-1	PCB-1254	ND		0.028	0.013
11096-82-5	PCB-1260	ND		0.028	0.013

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	79		60-154
2051-24-3	DCB Decachlorobiphenyl	84		65-174

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-184690-1

SDG No.:

Client Sample ID: SED20-09-0-0.4 Lab Sample ID: 480-184690-1

Matrix: Solid Lab File ID: 6_089-013.D

Analysis Method: 8082A Date Collected: 05/10/2021 12:15

Extraction Method: 3550C Date Extracted: 05/27/2021 07:08

Sample wt/vol: 30.37(g) Date Analyzed: 05/27/2021 20:35

Con. Extract Vol.: 10(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: ZB-35 ID: 0.53(mm)

% Moisture: 65.6 GPC Cleanup:(Y/N) N

Analysis Batch No.: 582975 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND		0.048	0.0094
11104-28-2	PCB-1221	ND		0.048	0.0094
11141-16-5	PCB-1232	ND		0.048	0.0094
53469-21-9	PCB-1242	ND		0.048	0.0094
12672-29-6	PCB-1248	0.030	J	0.048	0.0094
11097-69-1	PCB-1254	ND		0.048	0.022
11096-82-5	PCB-1260	ND		0.048	0.022

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	75		60-154
2051-24-3	DCB Decachlorobiphenyl	76		65-174

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-184690-1

SDG No.:

Client Sample ID: SED20-38-0-0.3 Lab Sample ID: 480-184690-7

Matrix: Solid Lab File ID: 6_088-264.D

Analysis Method: 8082A Date Collected: 05/10/2021 13:27

Extraction Method: 3550C Date Extracted: 05/25/2021 07:35

Sample wt/vol: 30.38(g) Date Analyzed: 05/26/2021 01:03

Con. Extract Vol.: 10(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: ZB-35 ID: 0.53(mm)

% Moisture: 78.1 GPC Cleanup:(Y/N) N

Analysis Batch No.: 582611 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND		0.075	0.015
11104-28-2	PCB-1221	ND		0.075	0.015
11141-16-5	PCB-1232	ND		0.075	0.015
53469-21-9	PCB-1242	ND		0.075	0.015
12672-29-6	PCB-1248	0.26		0.075	0.015
11097-69-1	PCB-1254	ND		0.075	0.035
11096-82-5	PCB-1260	ND		0.075	0.035

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	87		60-154
2051-24-3	DCB Decachlorobiphenyl	81		65-174

Qualify PCB-1248 J; qualify non-detect PCBs UJ

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-184690-1

SDG No.:

Client Sample ID: SED20-38-0.3-0.6 Lab Sample ID: 480-184690-8

Matrix: Solid Lab File ID: 6_088-265.D

Analysis Method: 8082A Date Collected: 05/10/2021 13:30

Extraction Method: 3550C Date Extracted: 05/25/2021 07:35

Sample wt/vol: 30.02(g) Date Analyzed: 05/26/2021 01:16

Con. Extract Vol.: 10(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: ZB-35 ID: 0.53(mm)

% Moisture: 33.5 GPC Cleanup:(Y/N) N

Analysis Batch No.: 582611 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND		0.025	0.0049
11104-28-2	PCB-1221	ND		0.025	0.0049
11141-16-5	PCB-1232	ND		0.025	0.0049
53469-21-9	PCB-1242	ND		0.025	0.0049
12672-29-6	PCB-1248	0.0055	J	0.025	0.0049
11097-69-1	PCB-1254	ND		0.025	0.012
11096-82-5	PCB-1260	ND		0.025	0.012

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	82		60-154
2051-24-3	DCB Decachlorobiphenyl	81		65-174

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-184690-1

SDG No.:

Client Sample ID: SED20-28-0-0.5 Lab Sample ID: 480-184690-17

Matrix: Solid Lab File ID: 6_088-272.D

Analysis Method: 8082A Date Collected: 05/10/2021 16:20

Extraction Method: 3550C Date Extracted: 05/25/2021 07:35

Sample wt/vol: 30.04(g) Date Analyzed: 05/26/2021 02:45

Con. Extract Vol.: 10(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: ZB-35 ID: 0.53(mm)

% Moisture: 60.6 GPC Cleanup:(Y/N) N

Analysis Batch No.: 582611 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND		0.042	0.0083
11104-28-2	PCB-1221	ND		0.042	0.0083
11141-16-5	PCB-1232	ND		0.042	0.0083
53469-21-9	PCB-1242	ND		0.042	0.0083
12672-29-6	PCB-1248	0.0086	J	0.042	0.0083
11097-69-1	PCB-1254	ND		0.042	0.020
11096-82-5	PCB-1260	ND		0.042	0.020

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	93		60-154
2051-24-3	DCB Decachlorobiphenyl	94		65-174

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo
Job No.: 480-184690-1
SDG No.:
Client Sample ID: SED20-30-0-0.3
Lab Sample ID: 480-184690-20
Matrix: Solid
Lab File ID: 6_089-017.D
Analysis Method: 8082A
Date Collected: 05/11/2021 08:07
Extraction Method: 3550C
Date Extracted: 05/27/2021 07:08
Sample wt/vol: 30.72(g)
Date Analyzed: 05/27/2021 21:26
Con. Extract Vol.: 10(mL)
Dilution Factor: 1
Injection Volume: 1(uL)
GC Column: ZB-35 ID: 0.53(mm)
% Moisture: 74.0
GPC Cleanup:(Y/N) N
Analysis Batch No.: 582975
Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND		0.063	0.012
11104-28-2	PCB-1221	ND		0.063	0.012
11141-16-5	PCB-1232	ND		0.063	0.012
53469-21-9	PCB-1242	ND		0.063	0.012
12672-29-6	PCB-1248	0.092		0.063	0.012
11097-69-1	PCB-1254	ND		0.063	0.029
11096-82-5	PCB-1260	ND		0.063	0.029

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	68		60-154
2051-24-3	DCB Decachlorobiphenyl	69		65-174

Qualify PCB-1248 J; qualify non-detect PCBs UJ

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo
Job No.: 480-184690-1
SDG No.:
Client Sample ID: SED20-27-0-0.3
Lab Sample ID: 480-184690-24
Matrix: Solid
Lab File ID: 6_089-020.D
Analysis Method: 8082A
Date Collected: 05/11/2021 09:07
Extraction Method: 3550C
Date Extracted: 05/27/2021 07:08
Sample wt/vol: 30.58(g)
Date Analyzed: 05/27/2021 22:04
Con. Extract Vol.: 10(mL)
Dilution Factor: 1
Injection Volume: 1(uL)
GC Column: ZB-35 ID: 0.53(mm)
% Moisture: 75.0
GPC Cleanup:(Y/N) N
Analysis Batch No.: 582975
Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND		0.065	0.013
11104-28-2	PCB-1221	ND		0.065	0.013
11141-16-5	PCB-1232	ND		0.065	0.013
53469-21-9	PCB-1242	ND		0.065	0.013
12672-29-6	PCB-1248	0.061	J	0.065	0.013
11097-69-1	PCB-1254	ND		0.065	0.031
11096-82-5	PCB-1260	ND		0.065	0.031

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	77		60-154
2051-24-3	DCB Decachlorobiphenyl	78		65-174

Qualify PCB-1248 J; qualify non-detect PCBs UJ

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-184690-1

SDG No.:

Client Sample ID: SED20-29-0-0.7 Lab Sample ID: 480-184690-28

Matrix: Solid Lab File ID: 6_089-023.D

Analysis Method: 8082A Date Collected: 05/11/2021 09:30

Extraction Method: 3550C Date Extracted: 05/27/2021 07:08

Sample wt/vol: 30.32(g) Date Analyzed: 05/27/2021 22:42

Con. Extract Vol.: 10(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: ZB-35 ID: 0.53(mm)

% Moisture: 27.7 GPC Cleanup:(Y/N) N

Analysis Batch No.: 582975 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND		0.023	0.0045
11104-28-2	PCB-1221	ND		0.023	0.0045
11141-16-5	PCB-1232	ND		0.023	0.0045
53469-21-9	PCB-1242	ND		0.023	0.0045
12672-29-6	PCB-1248	0.026		0.023	0.0045
11097-69-1	PCB-1254	ND		0.023	0.011
11096-82-5	PCB-1260	ND		0.023	0.011

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	75		60-154
2051-24-3	DCB Decachlorobiphenyl	77		65-174

Qualify PCB-1248 J

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-184690-1

SDG No.:

Client Sample ID: SED20-29-0.7-1.1 Lab Sample ID: 480-184690-29

Matrix: Solid Lab File ID: 6_089-024.D

Analysis Method: 8082A Date Collected: 05/11/2021 09:34

Extraction Method: 3550C Date Extracted: 05/27/2021 07:08

Sample wt/vol: 30.91(g) Date Analyzed: 05/27/2021 22:55

Con. Extract Vol.: 10(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: ZB-35 ID: 0.53(mm)

% Moisture: 75.8 GPC Cleanup:(Y/N) N

Analysis Batch No.: 582975 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND		0.067	0.013
11104-28-2	PCB-1221	ND		0.067	0.013
11141-16-5	PCB-1232	ND		0.067	0.013
53469-21-9	PCB-1242	ND		0.067	0.013
12672-29-6	PCB-1248	0.070		0.067	0.013
11097-69-1	PCB-1254	ND		0.067	0.031
11096-82-5	PCB-1260	ND		0.067	0.031

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	78		60-154
2051-24-3	DCB Decachlorobiphenyl	84		65-174

Qualify PCB-1248 J; qualify non-detect PCBs UJ

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo
Job No.: 480-184690-1
SDG No.:
Client Sample ID: SED20-39-0-0.6
Lab Sample ID: 480-184690-31
Matrix: Solid
Lab File ID: 6_089-025.D
Analysis Method: 8082A
Date Collected: 05/11/2021 11:22
Extraction Method: 3550C
Date Extracted: 05/27/2021 07:08
Sample wt/vol: 30.02(g)
Date Analyzed: 05/27/2021 23:08
Con. Extract Vol.: 10(mL)
Dilution Factor: 1
Injection Volume: 1(uL)
GC Column: ZB-35 ID: 0.53(mm)
% Moisture: 70.7
GPC Cleanup:(Y/N) N
Analysis Batch No.: 582975
Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND		0.057	0.011
11104-28-2	PCB-1221	ND		0.057	0.011
11141-16-5	PCB-1232	ND		0.057	0.011
53469-21-9	PCB-1242	ND		0.057	0.011
12672-29-6	PCB-1248	0.13		0.057	0.011
11097-69-1	PCB-1254	ND		0.057	0.027
11096-82-5	PCB-1260	ND		0.057	0.027

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	81		60-154
2051-24-3	DCB Decachlorobiphenyl	80		65-174

Qualify PCB-1248 J; qualify non-detect PCBs UJ

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo
Job No.: 480-184690-1
SDG No.:
Client Sample ID: SED20-14-0-0.5
Lab Sample ID: 480-184690-36
Matrix: Solid
Lab File ID: 6_089-030.D
Analysis Method: 8082A
Date Collected: 05/11/2021 11:54
Extraction Method: 3550C
Date Extracted: 05/27/2021 07:08
Sample wt/vol: 30.02(g)
Date Analyzed: 05/28/2021 00:11
Con. Extract Vol.: 10(mL)
Dilution Factor: 1
Injection Volume: 1(uL)
GC Column: ZB-35 ID: 0.53(mm)
% Moisture: 90.5
GPC Cleanup:(Y/N) N
Analysis Batch No.: 582975
Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND		0.18	0.034
11104-28-2	PCB-1221	ND		0.18	0.034
11141-16-5	PCB-1232	ND		0.18	0.034
53469-21-9	PCB-1242	ND		0.18	0.034
12672-29-6	PCB-1248	1.2		0.18	0.034
11097-69-1	PCB-1254	ND		0.18	0.082
11096-82-5	PCB-1260	ND		0.18	0.082

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	80		60-154
2051-24-3	DCB Decachlorobiphenyl	87		65-174

Qualify PCB-1248 J; qualify non-detect PCBs R

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-184690-1

SDG No.:

Client Sample ID: SED20-14-0.5-1.0 Lab Sample ID: 480-184690-37

Matrix: Solid Lab File ID: 6_089-031.D

Analysis Method: 8082A Date Collected: 05/11/2021 12:00

Extraction Method: 3550C Date Extracted: 05/27/2021 07:08

Sample wt/vol: 30.31(g) Date Analyzed: 05/28/2021 00:24

Con. Extract Vol.: 10(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: ZB-35 ID: 0.53(mm)

% Moisture: 84.5 GPC Cleanup:(Y/N) N

Analysis Batch No.: 582975 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND		0.11	0.021
11104-28-2	PCB-1221	ND		0.11	0.021
11141-16-5	PCB-1232	ND		0.11	0.021
53469-21-9	PCB-1242	ND		0.11	0.021
12672-29-6	PCB-1248	0.70		0.11	0.021
11097-69-1	PCB-1254	ND		0.11	0.050
11096-82-5	PCB-1260	ND		0.11	0.050

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	84		60-154
2051-24-3	DCB Decachlorobiphenyl	86		65-174

Qualify PCB-1248 J; qualify non-detect PCBs UJ

FORM I 8082A

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo
Job No.: 480-184690-1
SDG No.:
Client Sample ID: SED20-14-1.0-1.3
Lab Sample ID: 480-184690-38
Matrix: Solid
Lab File ID: 6_089-032.D
Analysis Method: 8082A
Date Collected: 05/11/2021 12:04
Extraction Method: 3550C
Date Extracted: 05/27/2021 07:08
Sample wt/vol: 30.40(g)
Date Analyzed: 05/28/2021 00:37
Con. Extract Vol.: 10(mL)
Dilution Factor: 1
Injection Volume: 1(uL)
GC Column: ZB-35 ID: 0.53(mm)
% Moisture: 41.1
GPC Cleanup:(Y/N) N
Analysis Batch No.: 582975
Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND		0.028	0.0055
11104-28-2	PCB-1221	ND		0.028	0.0055
11141-16-5	PCB-1232	ND		0.028	0.0055
53469-21-9	PCB-1242	ND		0.028	0.0055
12672-29-6	PCB-1248	0.23		0.028	0.0055
11097-69-1	PCB-1254	ND		0.028	0.013
11096-82-5	PCB-1260	ND		0.028	0.013

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	77		60-154
2051-24-3	DCB Decachlorobiphenyl	89		65-174

Qualify PCB-1248 J

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-184690-1

SDG No.:

Client Sample ID: SED20-15-0.3-0.6 Lab Sample ID: 480-184690-41

Matrix: Solid Lab File ID: 7_99-148.D

Analysis Method: 8082A Date Collected: 05/11/2021 12:19

Extraction Method: 3550C Date Extracted: 06/01/2021 14:55

Sample wt/vol: 30.07(g) Date Analyzed: 06/02/2021 16:55

Con. Extract Vol.: 10(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: ZB-35 ID: 0.53(mm)

% Moisture: 41.5 GPC Cleanup:(Y/N) N

Analysis Batch No.: 583628 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND		0.028	0.0056
11104-28-2	PCB-1221	ND		0.028	0.0056
11141-16-5	PCB-1232	ND		0.028	0.0056
53469-21-9	PCB-1242	ND		0.028	0.0056
12672-29-6	PCB-1248	0.0065	J	0.028	0.0056
11097-69-1	PCB-1254	ND		0.028	0.013
11096-82-5	PCB-1260	ND		0.028	0.013

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	85		60-154
2051-24-3	DCB Decachlorobiphenyl	86		65-174

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo
Job No.: 480-184690-1
SDG No.:
Client Sample ID: X-13
Lab Sample ID: 480-184690-44
Matrix: Solid
Lab File ID: 7_99-150.D
Analysis Method: 8082A
Date Collected: 05/11/2021 00:00
Extraction Method: 3550C
Date Extracted: 06/01/2021 14:55
Sample wt/vol: 30.1(g)
Date Analyzed: 06/02/2021 17:20
Con. Extract Vol.: 10(mL)
Dilution Factor: 1
Injection Volume: 1(uL)
GC Column: ZB-35 ID: 0.53(mm)
% Moisture: 77.8
GPC Cleanup:(Y/N) N
Analysis Batch No.: 583628
Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND		0.075	0.015
11104-28-2	PCB-1221	ND		0.075	0.015
11141-16-5	PCB-1232	ND		0.075	0.015
53469-21-9	PCB-1242	ND		0.075	0.015
12672-29-6	PCB-1248	0.28		0.075	0.015
11097-69-1	PCB-1254	ND		0.075	0.035
11096-82-5	PCB-1260	ND		0.075	0.035

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	80		60-154
2051-24-3	DCB Decachlorobiphenyl	78		65-174

Qualify PCB-1248 J; qualify non-detect PCBs UJ

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-184691-1

SDG No.:

Client Sample ID: SED20-32-0-0.3 Lab Sample ID: 480-184691-4

Matrix: Solid Lab File ID: 7_99-154.D

Analysis Method: 8082A Date Collected: 05/12/2021 09:18

Extraction Method: 3550C Date Extracted: 06/01/2021 14:55

Sample wt/vol: 30.33(g) Date Analyzed: 06/02/2021 18:12

Con. Extract Vol.: 10(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: ZB-35 ID: 0.53(mm)

% Moisture: 27.7 GPC Cleanup:(Y/N) N

Analysis Batch No.: 583628 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND		0.023	0.0045
11104-28-2	PCB-1221	ND		0.023	0.0045
11141-16-5	PCB-1232	ND		0.023	0.0045
53469-21-9	PCB-1242	0.53		0.023	0.0045
12672-29-6	PCB-1248	ND		0.023	0.0045
11097-69-1	PCB-1254	0.13		0.023	0.011
11096-82-5	PCB-1260	ND		0.023	0.011

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	80		60-154
2051-24-3	DCB Decachlorobiphenyl	104		65-174

Qualify PCB-1242 and PCB-1254 J

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-184691-1

SDG No.:

Client Sample ID: SED20-32-0.3-0.5 Lab Sample ID: 480-184691-5

Matrix: Solid Lab File ID: 7_99-155.D

Analysis Method: 8082A Date Collected: 05/12/2021 09:20

Extraction Method: 3550C Date Extracted: 06/01/2021 14:55

Sample wt/vol: 30.9(g) Date Analyzed: 06/02/2021 18:25

Con. Extract Vol.: 10(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: ZB-35 ID: 0.53(mm)

% Moisture: 15.1 GPC Cleanup:(Y/N) N

Analysis Batch No.: 583628 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND		0.019	0.0037
11104-28-2	PCB-1221	ND		0.019	0.0037
11141-16-5	PCB-1232	ND		0.019	0.0037
53469-21-9	PCB-1242	0.028		0.019	0.0037
12672-29-6	PCB-1248	ND		0.019	0.0037
11097-69-1	PCB-1254	ND		0.019	0.0089
11096-82-5	PCB-1260	ND		0.019	0.0089

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	94		60-154
2051-24-3	DCB Decachlorobiphenyl	96		65-174

Qualify PCB-1242 J

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-184691-1

SDG No.:

Client Sample ID: SED20-34-0-0.2 Lab Sample ID: 480-184691-8

Matrix: Solid Lab File ID: 7_99-156.D

Analysis Method: 8082A Date Collected: 05/12/2021 09:50

Extraction Method: 3550C Date Extracted: 06/01/2021 14:55

Sample wt/vol: 30.36(g) Date Analyzed: 06/02/2021 18:38

Con. Extract Vol.: 10(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: ZB-35 ID: 0.53(mm)

% Moisture: 55.0 GPC Cleanup:(Y/N) N

Analysis Batch No.: 583628 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND		0.037	0.0072
11104-28-2	PCB-1221	ND		0.037	0.0072
11141-16-5	PCB-1232	ND		0.037	0.0072
53469-21-9	PCB-1242	0.14		0.037	0.0072
12672-29-6	PCB-1248	ND		0.037	0.0072
11097-69-1	PCB-1254	0.061		0.037	0.017
11096-82-5	PCB-1260	ND		0.037	0.017

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	78		60-154
2051-24-3	DCB Decachlorobiphenyl	81		65-174

Qualify PCB-1242 and PCB-1254 J

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-184691-1

SDG No.:

Client Sample ID: SED20-31-0-0.5 Lab Sample ID: 480-184691-12

Matrix: Solid Lab File ID: 7_99-161.D

Analysis Method: 8082A Date Collected: 05/12/2021 10:23

Extraction Method: 3550C Date Extracted: 06/01/2021 14:55

Sample wt/vol: 30.5(g) Date Analyzed: 06/02/2021 19:42

Con. Extract Vol.: 10(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: ZB-35 ID: 0.53(mm)

% Moisture: 40.3 GPC Cleanup:(Y/N) N

Analysis Batch No.: 583628 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND		0.028	0.0054
11104-28-2	PCB-1221	ND		0.028	0.0054
11141-16-5	PCB-1232	ND		0.028	0.0054
53469-21-9	PCB-1242	0.29		0.028	0.0054
12672-29-6	PCB-1248	ND		0.028	0.0054
11097-69-1	PCB-1254	0.12		0.028	0.013
11096-82-5	PCB-1260	ND		0.028	0.013

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	79		60-154
2051-24-3	DCB Decachlorobiphenyl	101		65-174

Qualify PCB-1242 and PCB-1254 J

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-184691-1

SDG No.:

Client Sample ID: SED20-31-0.5-0.9 Lab Sample ID: 480-184691-13

Matrix: Solid Lab File ID: 7_99-162.D

Analysis Method: 8082A Date Collected: 05/12/2021 10:27

Extraction Method: 3550C Date Extracted: 06/01/2021 14:55

Sample wt/vol: 30.64(g) Date Analyzed: 06/02/2021 19:55

Con. Extract Vol.: 10(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: ZB-35 ID: 0.53(mm)

% Moisture: 17.1 GPC Cleanup:(Y/N) N

Analysis Batch No.: 583628 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND		0.020	0.0039
11104-28-2	PCB-1221	ND		0.020	0.0039
11141-16-5	PCB-1232	ND		0.020	0.0039
53469-21-9	PCB-1242	0.0073	J	0.020	0.0039
12672-29-6	PCB-1248	ND		0.020	0.0039
11097-69-1	PCB-1254	ND		0.020	0.0092
11096-82-5	PCB-1260	ND		0.020	0.0092

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	86		60-154
2051-24-3	DCB Decachlorobiphenyl	95		65-174

Qualify PCB-1242 U

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-184691-1

SDG No.:

Client Sample ID: SED20-33-0-0.5 Lab Sample ID: 480-184691-16

Matrix: Solid Lab File ID: 7_99-164.D

Analysis Method: 8082A Date Collected: 05/12/2021 10:47

Extraction Method: 3550C Date Extracted: 06/01/2021 14:55

Sample wt/vol: 30.95(g) Date Analyzed: 06/02/2021 20:20

Con. Extract Vol.: 10(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: ZB-35 ID: 0.53(mm)

% Moisture: 29.5 GPC Cleanup:(Y/N) N

Analysis Batch No.: 583628 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND		0.023	0.0045
11104-28-2	PCB-1221	ND		0.023	0.0045
11141-16-5	PCB-1232	ND		0.023	0.0045
53469-21-9	PCB-1242	0.11		0.023	0.0045
12672-29-6	PCB-1248	ND		0.023	0.0045
11097-69-1	PCB-1254	0.030		0.023	0.011
11096-82-5	PCB-1260	ND		0.023	0.011

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	81		60-154
2051-24-3	DCB Decachlorobiphenyl	85		65-174

Qualify PCB-1242 and PCB-1254 J

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-184691-1

SDG No.:

Client Sample ID: SED20-33-0.5-1.0 Lab Sample ID: 480-184691-17

Matrix: Solid Lab File ID: 7_99-165.D

Analysis Method: 8082A Date Collected: 05/12/2021 10:51

Extraction Method: 3550C Date Extracted: 06/01/2021 14:55

Sample wt/vol: 30.29(g) Date Analyzed: 06/02/2021 20:33

Con. Extract Vol.: 10(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: ZB-35 ID: 0.53(mm)

% Moisture: 11.8 GPC Cleanup:(Y/N) N

Analysis Batch No.: 583628 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND		0.019	0.0037
11104-28-2	PCB-1221	ND		0.019	0.0037
11141-16-5	PCB-1232	ND		0.019	0.0037
53469-21-9	PCB-1242	0.021		0.019	0.0037
12672-29-6	PCB-1248	ND		0.019	0.0037
11097-69-1	PCB-1254	ND		0.019	0.0088
11096-82-5	PCB-1260	ND		0.019	0.0088

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	91		60-154
2051-24-3	DCB Decachlorobiphenyl	95		65-174

Qualify PCB-1242 J

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-184691-1

SDG No.:

Client Sample ID: SED20-18-0.5-0.9 Lab Sample ID: 480-184691-20

Matrix: Solid Lab File ID: 7_99-173.D

Analysis Method: 8082A Date Collected: 05/12/2021 12:16

Extraction Method: 3550C Date Extracted: 06/01/2021 15:04

Sample wt/vol: 30.44(g) Date Analyzed: 06/02/2021 22:16

Con. Extract Vol.: 10(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: ZB-35 ID: 0.53(mm)

% Moisture: 19.5 GPC Cleanup:(Y/N) N

Analysis Batch No.: 583628 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND		0.020	0.0040
11104-28-2	PCB-1221	ND		0.020	0.0040
11141-16-5	PCB-1232	ND		0.020	0.0040
53469-21-9	PCB-1242	ND		0.020	0.0040
12672-29-6	PCB-1248	0.0059	J	0.020	0.0040
11097-69-1	PCB-1254	ND		0.020	0.0096
11096-82-5	PCB-1260	ND		0.020	0.0096

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	111		60-154
2051-24-3	DCB Decachlorobiphenyl	109		65-174

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-184691-1

SDG No.:

Client Sample ID: SED20-40-0.5-1.0 Lab Sample ID: 480-184691-24

Matrix: Solid Lab File ID: 7_99-176.D

Analysis Method: 8082A Date Collected: 05/12/2021 12:37

Extraction Method: 3550C Date Extracted: 06/01/2021 15:04

Sample wt/vol: 30.45(g) Date Analyzed: 06/02/2021 22:55

Con. Extract Vol.: 10(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: ZB-35 ID: 0.53(mm)

% Moisture: 14.5 GPC Cleanup:(Y/N) N

Analysis Batch No.: 583628 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND		0.019	0.0038
11104-28-2	PCB-1221	ND		0.019	0.0038
11141-16-5	PCB-1232	ND		0.019	0.0038
53469-21-9	PCB-1242	0.027		0.019	0.0038
12672-29-6	PCB-1248	ND		0.019	0.0038
11097-69-1	PCB-1254	ND		0.019	0.0090
11096-82-5	PCB-1260	ND		0.019	0.0090

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	94		60-154
2051-24-3	DCB Decachlorobiphenyl	103		65-174

Qualify PCB-1242 J

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-184692-1

SDG No.:

Client Sample ID: SED20-17-0-0.5 Lab Sample ID: 480-184692-1

Matrix: Solid Lab File ID: 7_99-195.D

Analysis Method: 8082A Date Collected: 05/12/2021 14:40

Extraction Method: 3550C Date Extracted: 06/02/2021 14:50

Sample wt/vol: 30.73(g) Date Analyzed: 06/03/2021 15:28

Con. Extract Vol.: 10(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: ZB-35 ID: 0.53(mm)

% Moisture: 70.5 GPC Cleanup:(Y/N) N

Analysis Batch No.: 583822 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND		0.055	0.011
11104-28-2	PCB-1221	ND		0.055	0.011
11141-16-5	PCB-1232	ND		0.055	0.011
53469-21-9	PCB-1242	0.66		0.055	0.011
12672-29-6	PCB-1248	ND		0.055	0.011
11097-69-1	PCB-1254	0.18		0.055	0.026
11096-82-5	PCB-1260	ND		0.055	0.026

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	82		60-154
2051-24-3	DCB Decachlorobiphenyl	89		65-174

Qualify PCB-1242 and PCB-1254 J; non-detect PCBs UJ

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-184692-1

SDG No.:

Client Sample ID: SED20-17-0.5-1.0 Lab Sample ID: 480-184692-2

Matrix: Solid Lab File ID: 7_99-196.D

Analysis Method: 8082A Date Collected: 05/12/2021 14:45

Extraction Method: 3550C Date Extracted: 06/02/2021 14:50

Sample wt/vol: 30.39(g) Date Analyzed: 06/03/2021 15:40

Con. Extract Vol.: 10(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: ZB-35 ID: 0.53(mm)

% Moisture: 37.9 GPC Cleanup:(Y/N) N

Analysis Batch No.: 583822 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND		0.027	0.0052
11104-28-2	PCB-1221	ND		0.027	0.0052
11141-16-5	PCB-1232	ND		0.027	0.0052
53469-21-9	PCB-1242	0.031		0.027	0.0052
12672-29-6	PCB-1248	ND		0.027	0.0052
11097-69-1	PCB-1254	ND		0.027	0.012
11096-82-5	PCB-1260	ND		0.027	0.012

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	89		60-154
2051-24-3	DCB Decachlorobiphenyl	104		65-174

Qualify J

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-184692-1

SDG No.:

Client Sample ID: SED20-17-1.0-1.5 Lab Sample ID: 480-184692-3

Matrix: Solid Lab File ID: 7_99-197.D

Analysis Method: 8082A Date Collected: 05/12/2021 14:52

Extraction Method: 3550C Date Extracted: 06/02/2021 14:50

Sample wt/vol: 30.55(g) Date Analyzed: 06/03/2021 15:53

Con. Extract Vol.: 10(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: ZB-35 ID: 0.53(mm)

% Moisture: 28.2 GPC Cleanup:(Y/N) N

Analysis Batch No.: 583822 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND		0.023	0.0045
11104-28-2	PCB-1221	ND		0.023	0.0045
11141-16-5	PCB-1232	ND		0.023	0.0045
53469-21-9	PCB-1242	0.018	J	0.023	0.0045
12672-29-6	PCB-1248	ND		0.023	0.0045
11097-69-1	PCB-1254	ND		0.023	0.011
11096-82-5	PCB-1260	ND		0.023	0.011

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	95		60-154
2051-24-3	DCB Decachlorobiphenyl	102		65-174

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo
Job No.: 480-184692-1
SDG No.:
Client Sample ID: SS20-14-1-2
Lab Sample ID: 480-184692-11
Matrix: Solid
Lab File ID: 7_99-204.D
Analysis Method: 8082A
Date Collected: 05/12/2021 16:50
Extraction Method: 3550C
Date Extracted: 06/02/2021 14:50
Sample wt/vol: 30.28(g)
Date Analyzed: 06/03/2021 17:23
Con. Extract Vol.: 10(mL)
Dilution Factor: 1
Injection Volume: 1(uL)
GC Column: ZB-35 ID: 0.53(mm)
% Moisture: 30.5
GPC Cleanup:(Y/N) N
Analysis Batch No.: 583822
Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND		0.024	0.0046
11104-28-2	PCB-1221	ND		0.024	0.0046
11141-16-5	PCB-1232	ND		0.024	0.0046
53469-21-9	PCB-1242	ND		0.024	0.0046
12672-29-6	PCB-1248	0.0047	J	0.024	0.0046
11097-69-1	PCB-1254	ND		0.024	0.011
11096-82-5	PCB-1260	ND		0.024	0.011

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	94		60-154
2051-24-3	DCB Decachlorobiphenyl	97		65-174

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo
Job No.: 480-184692-1
SDG No.:
Client Sample ID: X-15
Lab Sample ID: 480-184692-12
Matrix: Solid
Lab File ID: 7_99-205.D
Analysis Method: 8082A
Date Collected: 05/12/2021 00:00
Extraction Method: 3550C
Date Extracted: 06/02/2021 14:50
Sample wt/vol: 30.21(g)
Date Analyzed: 06/03/2021 17:36
Con. Extract Vol.: 10(mL)
Dilution Factor: 1
Injection Volume: 1(uL)
GC Column: ZB-35 ID: 0.53(mm)
% Moisture: 25.9
GPC Cleanup:(Y/N) N
Analysis Batch No.: 583822
Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND		0.022	0.0044
11104-28-2	PCB-1221	ND		0.022	0.0044
11141-16-5	PCB-1232	ND		0.022	0.0044
53469-21-9	PCB-1242	ND		0.022	0.0044
12672-29-6	PCB-1248	0.017	J	0.022	0.0044
11097-69-1	PCB-1254	ND		0.022	0.010
11096-82-5	PCB-1260	ND		0.022	0.010

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	96		60-154
2051-24-3	DCB Decachlorobiphenyl	99		65-174

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-184692-1

SDG No.:

Client Sample ID: SED20-26-0-0.2 Lab Sample ID: 480-184692-13

Matrix: Solid Lab File ID: 7_99-206.D

Analysis Method: 8082A Date Collected: 05/13/2021 09:15

Extraction Method: 3550C Date Extracted: 06/02/2021 14:50

Sample wt/vol: 30.69(g) Date Analyzed: 06/03/2021 17:49

Con. Extract Vol.: 10(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: ZB-35 ID: 0.53(mm)

% Moisture: 71.2 GPC Cleanup:(Y/N) N

Analysis Batch No.: 583822 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND		0.057	0.011
11104-28-2	PCB-1221	ND		0.057	0.011
11141-16-5	PCB-1232	ND		0.057	0.011
53469-21-9	PCB-1242	ND		0.057	0.011
12672-29-6	PCB-1248	ND		0.057	0.011
11097-69-1	PCB-1254	ND		0.057	0.027
11096-82-5	PCB-1260	ND		0.057	0.027

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	101		60-154
2051-24-3	DCB Decachlorobiphenyl	108		65-174

Qualify all UJ

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-184827-1

SDG No.:

Client Sample ID: SED20-01-0-1 Lab Sample ID: 480-184827-2

Matrix: Solid Lab File ID: 6_089-104.D

Analysis Method: 8082A Date Collected: 05/13/2021 15:45

Extraction Method: 3550C Date Extracted: 06/02/2021 14:56

Sample wt/vol: 30.55(g) Date Analyzed: 06/03/2021 15:51

Con. Extract Vol.: 10(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: ZB-35 ID: 0.53(mm)

% Moisture: 33.2 GPC Cleanup:(Y/N) N

Analysis Batch No.: 583816 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND		0.025	0.0048
11104-28-2	PCB-1221	ND		0.025	0.0048
11141-16-5	PCB-1232	ND		0.025	0.0048
53469-21-9	PCB-1242	ND		0.025	0.0048
12672-29-6	PCB-1248	0.023	J	0.025	0.0048
11097-69-1	PCB-1254	ND		0.025	0.011
11096-82-5	PCB-1260	ND		0.025	0.011

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	94		60-154
2051-24-3	DCB Decachlorobiphenyl	105		65-174

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-184827-1

SDG No.:

Client Sample ID: X-17 Lab Sample ID: 480-184827-8

Matrix: Solid Lab File ID: 6_089-110.D

Analysis Method: 8082A Date Collected: 05/13/2021 00:00

Extraction Method: 3550C Date Extracted: 06/02/2021 14:56

Sample wt/vol: 30.52(g) Date Analyzed: 06/03/2021 17:07

Con. Extract Vol.: 10(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: ZB-35 ID: 0.53(mm)

% Moisture: 24.4 GPC Cleanup:(Y/N) N

Analysis Batch No.: 583816 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND		0.022	0.0042
11104-28-2	PCB-1221	ND		0.022	0.0042
11141-16-5	PCB-1232	ND		0.022	0.0042
53469-21-9	PCB-1242	ND		0.022	0.0042
12672-29-6	PCB-1248	0.021	J	0.022	0.0042
11097-69-1	PCB-1254	ND		0.022	0.010
11096-82-5	PCB-1260	ND		0.022	0.010

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	99		60-154
2051-24-3	DCB Decachlorobiphenyl	110		65-174

ATTACHMENT 8
DATA VALIDATION MEMORANDUM

ATTACHMENT 9
SPLIT SAMPLING AT LOCATION SB20-12 MEMORANDUM

ENVIRONMENT
& HEALTH

MEMO

Project name	**Mohawk Uplands Area PDI**
Project no.	**1940100676**
Client	**RACER Trust**
To	**File**
From	**Elena Araya**
Copy to	**Dan Kahn, Matt Zerkle, Laura Calandra (Ramboll), Brendan Mullen (RACER Trust)**

Prepared by	**Elena Araya**
Checked by	**Dan Kahn**
Approved by	**Brian Platt**

Date May 05, 2021

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1 Split Sampling at Location SB20-12

The purpose of this memorandum is to document a deviation from the agreed upon split sampling procedure that occurred at one soil boring location. The representative from the Saint Regis Mohawk Tribe (SRMT) collected a sample from an interval from which Ramboll did not collect a sample. Additional details are as follows.

On Tuesday May 4, 2021, Ramboll was sampling subsurface soil boring location SB20-12. The intent of this sample location and similar subsurface samples was to confirm the presence or absence of a fill layer. A hand auger was used to collect the 0 to 4-foot intervals and a Geoprobe® Macro Core® was utilized to collect soil borings from the 4 to 8-foot and 8 to 12-foot intervals. Fill was not encountered in any interval at this boring location and therefore, only the top 4 feet of soil was sampled in 1-foot increments utilizing the hand auger. This protocol was established through field team consultation and memorialized in an email from Dino Zack (USEPA's field representative) on April 27, 2021 RE: PDI Summary – Day 1 (included as Attachment 1). The 8 to 12-foot interval was collected, the plastic core tube was cut, and the core interval was placed on the sampling table. Due to the timing of this boring, the Ramboll team took their daily break at approximately noon to pack samples collected from other boring locations for laboratory shipment. This occurred prior to characterizing soil boring location SB20-12. The 8 to 12-foot interval core was left on the table during the break.

The team returned to the sampling table to resume characterizing the soil from location SB20-12 at approximately 2:15 pm. Matt Zerkle of Ramboll scanned the 8 to 12-foot interval of the SB20-12 core with the PID, which read 0.0 ppm for the length of the core. While Matt was completing the boring log for the core, Craig Arquette, the SMRT representative, said he wanted to sample a portion of the 8 to 12-foot interval (an interval that Ramboll was not planning to sample per the previously established protocol presented in Attachment 1) and hold it on ice

until discussing it with RACER and EPA representatives. This interval had a high sand content, which seemed to be of interest to Craig. Elena Araya of Ramboll notified Dan Kahn of Ramboll about Craig's request at 2:22 pm. Dan Kahn replied at 2:27 pm stating that he would discuss this deviation in protocol with Brendan Mullen of RACER Trust. Elena provided a bowl and foil for Craig's sampling procedure. Elena and Matt stepped away from the sampling table to assist the Parratt-Wolff drillers with the next sample location.

By 2:41 pm, the Ramboll team had returned to the sampling table and received a call from Dan Kahn after he communicated with Brendan. Brendan requested that a sample be collected by the Ramboll team from the same interval that was collected by Craig (8 to 9-foot). By the time Dan informed the Ramboll team of this request, Craig had collected a sample from the 8 to 9-foot interval. The Ramboll team asked Craig where the remaining 8 to 9-foot interval soil was located so that Ramboll may collect a sample from it. Craig informed the Ramboll team that he had already disposed of the remaining soil within that interval. Therefore, the Ramboll team was unable to collect a sample. The remaining 9 to 12-foot of core was disposed of by the Ramboll team.

Figure 1-1. SB20-12 first half of the 8-12-foot interval.

Figure 1-2. SB20-12 second half of the 8-12-foot interval.

Figure 1-3. A closeup of the SB20-12 9-10-foot interval. Craig sampled the 8-9-foot interval.

EXHIBITS

EXHIBIT 1
HISTORIC SOIL SAMPLING RESULTS

Table 1
Historical Soil PCB Analytical Results
Mohawk Upland Area
US EPA Method 8082 SW846

#	Sample Location ID	Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Total PCBs (mg/kg)
1	SSMR-1	< 0.08	< 0.08	< 0.08	< 0.08	5.9	< 0.16	< 0.16	5.9
2	SSMR-2	< 0.08	< 0.08	< 0.08	< 0.08	< 0.08	< 0.16	< 0.16	U
3	SSMR-3	< 0.08	< 0.08	< 0.08	< 0.08	< 0.08	< 0.16	< 0.16	U
4	SSMR-4	< 0.08	< 0.08	< 0.08	< 0.08	0.11	< 0.16	< 0.16	0.11
5	SSMR-5	< 0.08	< 0.08	< 0.08	< 0.08	0.27	< 0.16	< 0.16	0.27
6	SSMR-6	< 0.08	< 0.08	< 0.08	< 0.08	< 0.08	< 0.16	< 0.16	U
7	SSMR-7	< 0.08	< 0.08	< 0.08	< 0.08	< 0.08	< 0.16	< 0.16	U
8	SSMR-8	< 0.08	< 0.08	< 0.08	< 0.08	< 0.08	< 0.16	< 0.16	U
9	SSMR-9	< 0.08	< 0.08	< 0.08	< 0.08	< 0.08	< 0.16	< 0.16	U
10	SSMR-10	< 0.08	< 0.08	< 0.08	< 0.08	0.21	< 0.16	< 0.16	0.21
11	SSMR-11	< 0.08	< 0.08	< 0.08	< 0.08	< 0.08	< 0.16	< 0.16	U
12	SSMR-12	< 0.08	< 0.08	< 0.08	< 0.08	0.22	< 0.16	< 0.16	0.22
13	SSMR-13	< 0.08	< 0.08	< 0.08	< 0.08	0.25	< 0.16	< 0.16	0.25
14	SSMR-14	< 0.08	< 0.08	< 0.08	< 0.08	0.30	< 0.16	< 0.16	0.30
15	SSMR-15	< 0.08	< 0.08	< 0.08	< 0.08	< 0.08	< 0.16	< 0.16	U
16	SSMR-16	< 0.08	< 0.08	< 0.08	< 0.08	1.3	< 0.16	< 0.16	1.3
17	SSMR-17	< 0.08	< 0.08	< 0.08	< 0.08	1.3	< 0.16	< 0.16	1.3
18	SSMR-18	< 0.08	< 0.08	< 0.08	< 0.08	< 0.08	< 0.16	< 0.16	U
19	SSMR-19	< 0.08	< 0.08	< 0.08	< 0.08	< 0.08	< 0.16	< 0.16	U
20	SSMR-20	< 0.08	< 0.08	< 0.08	< 0.08	< 0.08	< 0.16	< 0.16	U
21	SSMR-21	< 0.08	< 0.08	< 0.08	< 0.08	< 0.08	< 0.16	< 0.16	U
22	SSMR-23	< 0.08	< 0.08	< 0.08	< 0.08	< 0.08	< 0.16	< 0.16	U
23	SSMR-24	< 0.08	< 0.08	< 0.08	< 0.08	0.23	< 0.16	< 0.16	0.23
24	SSMR-25	< 0.08	< 0.08	< 0.08	< 0.08	6.8	< 0.16	< 0.16	6.8
25	SSMR-26	< 0.08	< 0.08	< 0.08	< 0.08	0.21	< 0.16	< 0.16	0.21
26	SSMR-27	< 0.08	< 0.08	< 0.08	< 0.08	9.0	< 0.16	< 0.16	9.0
27	SSMR-28	< 0.08	< 0.08	< 0.08	< 0.08	0.17	< 0.16	< 0.16	0.17
28	SSMR-29	< 0.08	< 0.08	< 0.08	< 0.08	< 0.08	< 0.16	< 0.16	U
29	SSMR-30	< 0.08	< 0.08	< 0.08	< 0.08	< 0.08	< 0.16	< 0.16	U
30	SSMR-31	< 0.08	< 0.08	< 0.08	< 0.08	0.11	< 0.16	< 0.16	0.11
31	SSMR-33	< 0.08	< 0.08	< 0.08	< 0.08	2.8	< 0.16	< 0.16	2.8
32	SSMR-34	< 0.08	< 0.08	< 0.08	< 0.08	0.30	< 0.16	< 0.16	0.30
33	SSMR-35	< 0.08	< 0.08	< 0.08	< 0.08	0.21	< 0.16	< 0.16	0.21
34	SSMR-36	< 0.08	< 0.08	< 0.08	< 0.08	0.55	< 0.16	< 0.16	0.55
35	SSMR-37	< 0.08	< 0.08	< 0.08	< 0.08	0.61	< 0.16	< 0.16	0.61
36	SSMR-38	< 0.08	< 0.08	< 0.08	< 0.08	0.16	< 0.16	< 0.16	0.16
37	SSMR-39	< 0.08	< 0.08	< 0.08	< 0.08	< 0.08	< 0.16	< 0.16	U
38	SSMR-40	< 0.08	< 0.08	< 0.08	< 0.08	0.08	< 0.16	< 0.16	0.08
39	SSMR-41	< 0.08	< 0.08	< 0.08	< 0.08	< 0.08	< 0.16	< 0.16	U
40	SSMR-42	< 0.08	< 0.08	< 0.08	< 0.08	0.11	< 0.16	< 0.16	0.11

Table 1
Historical Soil PCB Analytical Results
Mohawk Upland Area
US EPA Method 8082 SW846

#	Sample Location ID	Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Total PCBs (mg/kg)
41	SSMR-43	< 0.08	< 0.08	< 0.08	< 0.08	0.67	< 0.16	< 0.16	0.67
42	SSMR-44	< 0.08	< 0.08	< 0.08	< 0.08	0.47	< 0.16	< 0.16	0.47
43	SSMR-45	< 0.08	< 0.08	< 0.08	< 0.08	0.33	< 0.16	< 0.16	0.33
44	SSMR-46	< 0.08	< 0.08	< 0.08	< 0.08	0.62	< 0.16	< 0.16	0.62
45	SSMR-47	< 0.08	< 0.08	< 0.08	< 0.08	0.81	< 0.16	< 0.16	0.81
46	SSMR-48	< 0.08	< 0.08	< 0.08	< 0.08	1.0	< 0.16	< 0.16	1.0
47	SSMR-49	< 0.08	< 0.08	< 0.08	< 0.08	1.3	< 0.16	< 0.16	1.3
48	SSMR-50	< 0.08	< 0.08	< 0.08	< 0.08	1.1	< 0.16	< 0.16	1.1
49	SSMR-51	< .110	< .110	< .110	< .110	0.840	< .220	< .220	0.840
50	SSMR-52	< .100	< .100	< .100	< .100	0.290	< .210	< .210	0.290
51	SSMR-53	< .120	< .120	< .120	< .120	0.360	< .240	< .240	0.360
52	SSMR-54	< .097	< .097	< .097	< .097	0.800	< .190	< .190	0.800
53	SSMR-55	< .120	< .120	< .120	< .120	0.590	< .240	< .240	0.590
54	SSMR-56	< .082	< .082	< .082	< .082	0.140	< .160	< .160	0.140
55	SSMR-57	< .120	< .120	< .120	< .120	0.120	< .250	< .250	0.120
56	SSMR-58	< .170	< .170	< .170	< .170	0.280	< .330	< .330	0.280
57	SSMR-62	< .130	< .130	< .130	< .130	< .130	< .260	< .260	U
58	SSMR-63	< .120	< .120	< .120	< .120	< .120	< .230	< .230	U
59	SSMR-64	< .120	< .120	< .120	< .120	< .120	< .230	< .230	U
60	SSMR-65	< .140	< .140	< .140	< .140	3.300	< .290	< .290	3.300
61	SSMR-66	< .110	< .110	< .110	< .110	< .110	< .210	< .210	U
62	SSMR-67	< .130	< .130	< .130	< .130	< .130	< .260	< .260	U
63	SSMR-68	< .170	< .170	< .170	< .170	< .170	< .340	< .340	U
64	SSMR-69	< .120	< .120	< .120	< .120	< .120	< .230	< .230	U
65	SSMR-70	< .120	< .120	< .120	< .120	0.120	< .240	< .240	U
66	SSMR-71	< .110	< .110	< .110	< .110	< .110	< .220	< .220	U
67	SSMR-72	< .210	< .210	< .210	< .210	< .210	3.600	< .410	3.600
68	SSMR-73	< .097	< .097	< .097	< .097	< .097	< .190	< .190	U
69	SSMR-74	< .120	< .120	< .120	< .120	< .120	< .230	< .230	U
70	SSMR-75	< .091	< .091	< .091	< .091	< .091	< .180	< .180	U
71	S-331 (0-1)	< 0.05	< 0.10	< 0.05	< 0.06	< 0.12	< 0.05	< 0.06	U
72	S-331 (1-2)	< 0.05	< 0.09	< 0.05	< 0.05	< 0.11	< 0.05	< 0.06	U
73	S-332 (0-1)	< 0.47	< 0.95	< 0.47	< 0.57	1.7	< 0.47	< 0.58	1.7
74	S-332 (1-2)	< 0.04	< 0.09	< 0.04	< 0.05	< 0.11	< 0.04	< 0.06	U
75	S-333 (0-1)	< 0.41	< 0.82	< 0.41	< 0.48	3.9	< 0.41	< 0.48	3.9
76	S-333 (1-2)	< 0.05	< 0.10	< 0.05	< 0.06	0.00	< 0.05	< 0.06	U
77	S-334 (0-1)	< 0.05	< 0.10	< 0.05	< 0.06	0.15	< 0.05	< 0.06	0.15
78	S-334 (1-2)	< 0.04	< 0.09	< 0.04	< 0.05	0.00	< 0.04	< 0.05	U
79	S-335 (0-1)	< 0.05	< 0.10	< 0.05	< 0.06	0.00	< 0.05	< 0.06	U
80	S-335 (1-2)	< 0.04	< 0.09	< 0.04	< 0.05	0.00	< 0.04	< 0.05	U

Table 1
Historical Soil PCB Analytical Results
Mohawk Upland Area
US EPA Method 8082 SW846

#	Sample Location ID	Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Total PCBs (mg/kg)
81	S-337 (0-1)	< 0.05	< 0.11	< 0.05	< 0.07	0.18	< 0.05	< 0.07	0.18
82	S-337 (1-2)	< 0.04	< 0.08	< 0.04	< 0.05	< 0.11	< 0.04	< 0.05	U
83	S-338 (0-1)	< 0.06	< 0.12	< 0.06	< 0.07	0.16	< 0.06	< 0.07	0.16
84	S-338 (1-2)	< 0.04	< 0.09	< 0.04	< 0.05	< 0.11	< 0.04	< 0.06	U
85	S-342 (0-1)	< 0.27	< 0.54	< 0.27	< 0.32	3.03	< 0.27	< 0.33	3.03
86	S-342 (1-2)	< 0.04	< 0.09	< 0.04	< 0.05	0.13	< 0.04	< 0.06	0.13
87	S-343 (0-1)	< 0.55	< 1.10	< 0.55	< 0.66	4.5	< 0.55	< 0.68	4.5
88	S-343 (1-2)	< 0.05	< 0.10	< 0.05	< 0.06	< 0.13	< 0.05	< 0.06	U
89	S-344 (0-1)	< 0.27	< 0.54	< 0.27	< 0.32	1.74	< 0.27	< 0.33	1.74
90	S-344 (1-2)	< 0.04	< 0.08	< 0.04	< 0.05	< 0.11	< 0.04	< 0.05	U
91	S-345 (0-1)	< 0.05	< 0.10	< 0.05	< 0.06	< 0.12	< 0.05	< 0.06	U
92	S-345 (1-2)	< 0.04	< 0.09	< 0.04	< 0.05	0.39	< 0.04	< 0.05	0.39
93	S-346 (0-1)	< 0.04	< 0.08	< 0.04	< 0.05	< 0.10	< 0.04	< 0.05	U
94	S-346 (1-2)	< 0.04	< 0.08	< 0.04	< 0.05	< 0.10	< 0.04	< 0.05	U
95	S-347 (0-1)	< 0.04	< 0.09	< 0.04	< 0.05	< 0.11	< 0.04	< 0.05	U
96	S-347 (1-2)	< 0.04	< 0.08	< 0.04	< 0.05	< 0.10	< 0.04	< 0.05	U
97	S-348 (0-1)	< 0.05	< 0.11	< 0.05	< 0.06	< 0.13	< 0.05	< 0.07	U
98	S-348 (1-2)	< 0.04	< 0.08	< 0.04	0.44	< 0.10	< 0.04	< 0.05	0.44
99	S-349 (0-1)	< 0.04	< 0.09	< 0.04	< 0.05	< 0.11	< 0.04	< 0.05	U
100	S-349 (1-2)	< 0.04	< 0.08	< 0.04	< 0.05	< 0.10	< 0.04	< 0.05	U
101	S-350 (0-1)	< 7.40	< 15.0	< 7.40	< 9.0	49	< 7.40	< 9.20	49
102	S-350A (1-2)	< 7.40	< 15.0	< 7.40	< 9.0	48	< 7.40	< 9.20	48
103	S-352 (0-1)	< 0.05	< 0.10	< 0.05	< 0.06	< 0.13	< 0.05	< 0.06	U
104	S-352 (1-2)	< 0.04	< 0.08	< 0.04	< 0.05	< 0.10	< 0.04	< 0.05	U
105	S-353 (0-1)	< 0.20	< 0.41	< 0.20	< 0.24	1.11	< 0.20	< 0.25	1.11
106	S-353 (1-2)	< 0.19	< 0.38	< 0.19	< 0.22	1.35	< 0.19	< 0.24	1.35
107	SM-3	< 0.08	< 0.08	< 0.08	< 0.08	5.1	< 0.16	< 0.16	5.1
108	SM-4	< 1.2	< 1.2	< 1.2	< 1.2	22	< 2.4	< 2.4	22
109	SM-5	< 0.08	< 0.08	< 0.08	< 0.08	0.39	< 0.16	< 0.16	0.39
110	SM-6	< 0.08	< 0.08	< 0.08	< 0.08	1.3	< 0.16	< 0.16	1.3
111	SM-8	< .170	< .170	< .170	< .170	0.830	< .340	< .340	0.830

Note: Historical analytical data from the 1986/89 RMT - Draft Feasibility Study for the RI/FS at GM-CFD Facility, Massena, NY Phase I & II; and the 1993 ERM Sum. Rpt # 7 - SRMT Property Soil Probe Report.

EXHIBIT 2
HISTORIC SEDIMENT SAMPLE RESULTS

Table 2
Historical Sediment PCB Analytical Results
Mohawk Uplands Area
US EPA Method 8082 SW846

#	Sample Location ID	Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Total PCBs (mg/kg)
1	SM-1	< 1.2	< 1.2	< 1.2	< 1.2	48	< 2.4	< 2.4	48
2	SM-2	< 0.08	< 0.08	< 0.08	< 0.08	3.5	< 0.16	< 0.16	3.5
3	SM-7	< 0.120	< 0.120	< 0.120	< 0.120	< 0.120	< 0.240	< 0.240	U
4	SM-10	< .140	< .140	< .140	< .140	< .140	< .270	< .270	U
5	SSMR-22	< 0.08	< 0.08	< 0.08	< 0.08	< 0.08	< 0.16	< 0.16	U
6	SSMR-32	< 0.08	< 0.08	< 0.08	< 0.08	4.3	< 0.16	< 0.16	4.3
7	SSMR-60	< .130	< .130	< .130	< .130	< .130	< .260	< .260	U
8	S-336 (0-0.8)	< 0.04	< 0.09	< 0.04	< 0.05	< 0.11	< 0.04	< 0.05	U
9	S-336R (0.8-1.6)	< 0.04	< 0.09	< 0.04	< 0.05	< 0.05	< 0.04	< 0.05	U
10	S-341R (0-0.7)	< 0.19	< 0.38	< 0.19	< 0.10	1.26	< 0.19	< 0.24	1.26
11	S-341 (0.7-1.3)	< 0.04	< 0.08	< 0.04	< 0.05	< 0.11	< 0.04	< 0.05	U
12	S-351 (0-1)	< 0.13	< 0.27	< 0.13	< 0.16	0.48	< 0.13	< 0.17	0.48
13	S-351 (1-2)	< 0.05	< 0.10	< 0.05	< 0.06	< 0.12	< 0.05	< 0.06	U

Note: Historical analytical data from the 1986/89 RMT - Draft Feasibility Study for the RI/FS at GM-CFD Facility, Massena, NY Phase I & II; and the 1993 ERM Sum. Rpt # 7 - SRMT Property Soil Probe Report.