

DATA USABILITY SUMMARY REPORT

for

DKP PROPERTY

**CORRECTIVE MEASURES IMPLEMENTATION
AUGUST - OCTOBER 2015**

NYSDEC PERMIT ID 9-1464-00044/00001

**CORRECTIVE MEASURES IMPLEMENTATION PROGRAM
GENERAL ELECTRIC PARTS AND REPAIR SERVICE CENTER**

TONAWANDA, NEW YORK

NYSDEC SITE NO. 915244

EPA ID: NYD067539940

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I. INTRODUCTION

This Data Usability Summary Report (DUSR) has been prepared by AECOM following the guidelines provided in New York State Department of Environmental Conservation (NYSDEC) Division of Environmental Remediation *DER-10, Technical Guidance for Site Investigation and Remediation, Appendix 2B - Guidance for Data Deliverables and the Development of Data Usability Summary Reports*, May 2010. Discussed in this DUSR are the analytical data for: forty-nine (49) soil samples, four (4) field duplicates (FD), four (4) matrix spike/matrix spike duplicate (MS/MSD) pairs, and three (3) equipment rinsate blanks (RB). The soil samples were collected from the DKP property between August 20 and October 21, 2015.

The samples were collected by AECOM under NYSDEC Permit Number 9-1464-00044/00001 for the Corrective Measures Implementation Program at the General Electric Parts and Repair Service Center, located in Tonawanda, New York (NYSDEC Site ID Number 915244; EPA ID: NYD067539940), as part of the Confirmation Sampling Program described in the *Corrective Measures Implementation Design Report* (AECOM, January 16, 2015). The samples were sent to TestAmerica Laboratories, Inc., located in Amherst, New York, which is New York State Department of Health (NYSDOH) Environmental Laboratory Approval Program (ELAP) certified.

II. ANALYTICAL METHODOLOGIES AND DATA VALIDATION PROCEDURES

The samples were analyzed for polychlorinated biphenyls (PCBs) in accordance with United States Environmental Protection Agency (USEPA) Method SW8082A.

A limited data validation was performed on the samples following the guidelines in the following USEPA Region II document:

- *Validating PCB Compounds by Gas Chromatography SW-846 Method 8082A*, SOP HW-45, Revision 1, October 2006.

The limited data validation included a review of: completeness of all required deliverables; holding times; quality control (QC) results (i.e., blanks, instrument calibrations, MS/MSD recoveries, duplicate precision, and laboratory control sample recoveries) to determine if the data are within the protocol-required QC limits and specifications; a determination that all samples were analyzed using established and agreed upon analytical protocols; an evaluation of

the raw data to confirm the results provided in the data summary sheets; and a review of laboratory data qualifiers.

Qualifications applied to the data during the limited data validation include 'J' (estimated concentration), 'NJ' (tentatively identified), and 'U' (non-detect). Definitions of USEPA data qualifiers are presented at the end of this text. A summary of data qualifications is presented on Table 1. Validated Form 1s have been presented in Attachment A. Documentation supporting the qualification of data is presented in Attachment B. Only analytical deviations affecting data usability are discussed in this report.

III. DATA DELIVERABLE COMPLETENESS

Full deliverable data packages (i.e., NYSDEC ASP Category B or equivalent) were provided by the laboratory, and included all reporting forms and raw data necessary to fully evaluate and verify the reported analytical results.

IV. SAMPLE RECEIPT/PRESERVATION/HOLDING TIMES

All samples were received by the laboratory intact, properly preserved, and under proper chain-of-custody (COC), except for the following instance.

The cooler temperature associated with samples collected on 10/06/15 was above the QC limits of $4^{\circ}\text{C} \pm 2^{\circ}\text{C}$ upon receipt at the laboratory (i.e., 13.1°C). Since the samples were received at the laboratory on the same day as they were collected, there was not sufficient time for the samples to cool during transit. This non-conformance does not affect the usability of the data.

All samples were analyzed within the required holding times.

V. NON-CONFORMANCES

Dual-Column Precision/PCB Identification

The relative percent difference (RPD) between the dual-column analyses was greater than the USEPA Region II data validation QC limit of 25% for one or more PCBs for several samples. Note, the method QC limit for dual-column precision is 40%, whereupon dual-column results greater than the reporting limit (RL) and with RPDs >40% are qualified 'P' by the laboratory. The detected results for the associated samples exceeding data validation QC limits of 25% were qualified 'J'. Furthermore, when RPDs are >50% and PCB concentrations are less than the RL,

then detected results are qualified 'U' (non-detect) at the RL, in accordance with the data validation guidelines.

If PCB identifications were deemed questionable during the data review on both primary and confirmation columns [i.e., pattern not clearly identifiable and/or results reported near the method detection limit (MDL)], the detected results were qualified 'NJ' using professional judgment. Note, the laboratory's standard operating procedure for PCB identification includes evaluating peak response below the MDL. Due to laboratory software limitations, peak responses below the MDL that are used for PCB quantitation are not included on the Identification Summaries (i.e., Form 10).

All affected sample results requiring data qualification based on the above referenced scenarios are listed on Table 1. Documentation supporting the qualification of the data (i.e., Form 10) is presented in Attachment B.

VI. SAMPLE RESULTS AND REPORTING

All sample results were reported in accordance with method requirements and were adjusted for sample volume, dilution, and moisture content. Results reported below the RL, but greater than the MDL, are qualified 'J' by the laboratory.

Samples CS-32 (Sidewall 0.5') and CS-148 (Sidewall 0.5') were analyzed at secondary dilutions (i.e., 5x and 2x, respectively) due to high levels of PCBs and/or matrix interference. The non-detect results are the lowest achievable at the diluted level.

Field Duplicate Samples

Field duplicates were collected on samples CS-61 (Sidewall 0.5') [20150923-FD-1], CS-105 (Bottom 1.5') [20151006-FD-1], CS-131 (Bottom 1.0') [20151013-FD-1], and CS143 (Sidewall 0.5') [20151015-FD-1]. Similar concentrations were observed in the samples and their respective field duplicates (i.e., relative percent difference <50%) indicating good field and analytical precision. Note, USEPA Region II validation guidelines do not require data qualification for field duplicate precision.

VII. SUMMARY

All sample analyses were found to be compliant with the data validation and/or method criteria, except where previously noted. Those results qualified 'U' (non-detect), 'J' (estimated concentration), 'UJ' (non-detect, estimated quantitation limit), or 'NJ' (tentatively identified)

during the data review are considered conditionally usable. All other sample results are usable as reported. Variances from USEPA Region II data validation and/or method criteria were not significant enough to warrant rejection of the data. AECOM does not recommend the re-collection of any samples at this time.

For all other sample results qualified during the data review, the uncertainty is not of sufficient magnitude to change project-specific conclusions reached based on the data. For samples with no PCBs detected, it can be concluded with a high level of certainty that the soil represented by those samples does not contain PCBs greater than or equal to 1 milligram per kilogram (mg/kg).

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PF

Date:

1/15/16

Reviewed By: George E. Kisluk, Senior Chemist

GEK

Date:

1/15/16

DEFINITIONS OF USEPA REGION II DATA QUALIFIERS

- U** – The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
- J** – The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
- UJ** – The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
- R** – The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.
- D** – The sample results are reported from a secondary dilution.
- NJ** – The analysis indicates the present of an analyte that has been “tentatively identified” and the associated value represents its approximate concentration.

TABLE 1
SUMMARY OF DATA QUALIFICATIONS
GENERAL ELECTRIC PARTS AND REPAIR SERVICE CENTER
FOR
DKP PROPERTY

SAMPLE ID	FRACTION	ANALYTICAL DEVIATION	QUALIFICATION
CS-136 (Sidewall 0.5')	PCB	Dual-column RPD >25% for AR1016.	Qualify detected result 'J'.
CS-132 (Sidewall 0.5'), CS-142 (Sidewall 0.5')	PCB	Dual-column RPD >25% for AR1254.	Qualify detected result 'J'.
20150923-FD-1 [CS-61(Sidewall 0.5')], CS-63 (Bottom 1.0'), CS-64 (Sidewall 0.5'), CS-132 (Sidewall 0.5'), CS-136 (Sidewall 0.5'), CS-142 (Sidewall 0.5')	PCB	Dual-column RPD >25% for AR1260.	Qualify detected result 'J'.
CS-61 (Sidewall 0.5')	PCB	Dual-column RPD >50% and result <RL for AR1221.	Qualify detected result 'U' at the RL.
CS-132 (Sidewall 0.5'), CS-142 (Sidewall 0.5')	PCB	AR1016 pattern not clearly identifiable.	Qualify detected result 'NJ'.
CS-44 (Sidewall 0.5')	PCB	AR1260 pattern not clearly identifiable.	Qualify detected result 'NJ'.

ATTACHMENT A
VALIDATED FORM 1s

Analytical Data

Client: URS Corporation

Job Number: 480-85924-1

Client Sample ID: CS-1 (SIDEWALL 0.5)

Lab Sample ID: 480-85924-1

Date Sampled: 08/20/2015 0828

Client Matrix: Solid

% Moisture: 18.4

Date Received: 08/20/2015 1017

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	480-259639	Instrument ID:	HP5890-12
Prep Method:	3550C	Prep Batch:	480-259633	Initial Weight/Volume:	+2.20 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	08/20/2015 1432			Injection Volume:	1 uL
Prep Date:	08/20/2015 1051			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
PCB-1016		ND		0.054	0.28
PCB-1221		ND		0.054	0.28
PCB-1232		ND		0.054	0.28
PCB-1242		ND		0.054	0.28
PCB-1248		ND		0.054	0.28
PCB-1254		ND		0.13	0.28
PCB-1260		ND		0.13	0.28

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	95		60 - 154
DCB Decachlorobiphenyl	109		65 - 174

Analytical Data

Client: URS Corporation

Job Number: 480-85924-1

Client Sample ID: CS-2 (BOTTOM 1.0)

Lab Sample ID: 480-85924-2

Date Sampled: 08/20/2015 0821

Client Matrix: Solid

% Moisture: 17.1

Date Received: 08/20/2015 1017

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	480-259639	Instrument ID:	HP5890-12
Prep Method:	3550C	Prep Batch:	480-259633	Initial Weight/Volume:	+2.12 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	08/20/2015 1447			Injection Volume:	1 µL
Prep Date:	08/20/2015 1051			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
PCB-1016		ND		0.056	0.28
PCB-1221		ND		0.056	0.28
PCB-1232		ND		0.056	0.28
PCB-1242		ND		0.056	0.28
PCB-1248		ND		0.056	0.28
PCB-1254		ND		0.13	0.28
PCB-1260		ND		0.13	0.28

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	93		60 - 154
DCB Decachlorobiphenyl	107		65 - 174

Analytical Data

Client: URS Corporation

Job Number: 480-86064-1

Client Sample ID: CS-4 (SIDEWALL 0.5')

Lab Sample ID: 480-86064-1

Date Sampled: 08/21/2015 1238

Client Matrix: Solid

% Moisture: 18.9

Date Received: 08/21/2015 1806

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	480-260115	Instrument ID:	HP5890-12
Prep Method:	3550C	Prep Batch:	480-260070	Initial Weight/Volume:	2.17 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	08/24/2015 1416			Injection Volume:	1 uL
Prep Date:	08/24/2015 0910			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
PCB-1016		ND		0.056	0.28
PCB-1221		ND		0.056	0.28
PCB-1232		ND		0.056	0.28
PCB-1242		ND		0.056	0.28
PCB-1248		ND		0.056	0.28
PCB-1254		ND		0.13	0.28
PCB-1260		ND		0.13	0.28

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	92		60 - 154
DCB Decachlorobiphenyl	103		65 - 174

Analytical Data

Client: URS Corporation

Job Number: 480-86064-1

Client Sample ID: CS-5 (BOTTOM 1.0')

Lab Sample ID: 480-86064-2

Date Sampled: 08/21/2015 1247

Client Matrix: Solid

% Moisture: 15.9

Date Received: 08/21/2015 1806

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	480-260115	Instrument ID:	HP5890-12
Prep Method:	3550C	Prep Batch:	480-260070	Initial Weight/Volume:	2.27 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	08/24/2015 1431			Injection Volume:	1 uL
Prep Date:	08/24/2015 0910			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
PCB-1016		ND		0.051	0.26
PCB-1221		ND		0.051	0.26
PCB-1232		ND		0.051	0.26
PCB-1242		ND		0.051	0.26
PCB-1248		ND		0.051	0.26
PCB-1254		ND		0.12	0.26
PCB-1260		ND		0.12	0.26

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	92		60 - 154
DCB Decachlorobiphenyl	102		65 - 174

Analytical Data

Client: AECOM Technical Services Inc.

Job Number: 480-86458-1

Client Sample ID: CS-31 (BOTTOM 1.0')

Lab Sample ID: 480-86458-1

Date Sampled: 09/01/2015 1411

Client Matrix: Solid

% Moisture: 6.4

Date Received: 09/01/2015 1702

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method: 8082A

Analysis Batch: 480-261681

Instrument ID: HP6890-7

Prep Method: 3550C

Prep Batch: 480-261622

Initial Weight/Volume: +2.03 g

Dilution: 1.0

Final Weight/Volume: 10 mL

Analysis Date: 09/03/2015 0140

Injection Volume: 1 µL

Prep Date: 09/02/2015 1047

Result Type: PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
PCB-1016		ND		0.051	0.26
PCB-1221		ND		0.051	0.26
PCB-1232		ND		0.051	0.26
PCB-1242		ND		0.051	0.26
PCB-1248		ND		0.051	0.26
PCB-1254		ND		0.12	0.26
PCB-1260		1.2		0.12	0.26
Surrogate		%Rec	Qualifier	Acceptance Limits	
Tetrachloro-m-xylene		103		60 - 154	
DCB Decachlorobiphenyl		110		65 - 174	

Analytical Data

Client: AECOM Technical Services Inc.

Job Number: 480-87000-1

Client Sample ID: CS-31A (BOTTOM 1.5')

Lab Sample ID: 480-87000-1

Date Sampled: 09/10/2015 1120

Client Matrix: Solid

% Moisture: 10.5

Date Received: 09/10/2015 1428

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method: 8082A

Analysis Batch: 480-263040

Instrument ID: HP6890-7

Prep Method: 3550C

Prep Batch: 480-263058

Initial Weight/Volume: 2.10 g

Dilution: 1.0

Final Weight/Volume: 10 mL

Analysis Date: 09/11/2015 1239

Injection Volume: 1 µL

Prep Date: 09/11/2015 0915

Result Type: PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
PCB-1016		ND		0.052	0.27
PCB-1221		ND		0.052	0.27
PCB-1232		ND		0.052	0.27
PCB-1242		ND		0.052	0.27
PCB-1248		ND		0.052	0.27
PCB-1254		ND		0.12	0.27
PCB-1260		ND		0.12	0.27

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	94		60 - 154
DCB Decachlorobiphenyl	93		65 - 174

Analytical Data

Client: AECOM Technical Services Inc.

Job Number: 480-86458-1

Client Sample ID: CS-32 (SIDEWALL 0.5')

Lab Sample ID: 480-86458-2

Date Sampled: 09/01/2015 1414

Client Matrix: Solid

% Moisture: 5.7

Date Received: 09/01/2015 1702

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	480-261681	Instrument ID:	HP6890-7
Prep Method:	3550C	Prep Batch:	480-261622	Initial Weight/Volume:	+2.01 g
Dilution:	5.0			Final Weight/Volume:	10 mL
Analysis Date:	09/03/2015 0156			Injection Volume:	1 µL
Prep Date:	09/02/2015 1047			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
PCB-1016		ND		0.26	1.3
PCB-1221		ND		0.26	1.3
PCB-1232		ND		0.26	1.3
PCB-1242		ND		0.26	1.3
PCB-1248		ND		0.26	1.3
PCB-1254		ND		0.62	1.3
PCB-1260		13		0.62	1.3

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	105		60 - 154
DCB Decachlorobiphenyl	134		65 - 174

Analytical Data

Client: AECOM Technical Services Inc.

Job Number: 480-86924-1

Client Sample ID: CS-40(BOTTOM 1.0')

Lab Sample ID: 480-86924-1

Date Sampled: 09/09/2015 0940

Client Matrix: Solid

% Moisture: 17.9

Date Received: 09/09/2015 1345

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method: 8082A

Analysis Batch: 480-262904

Instrument ID: HP6890-7

Prep Method: 3550C

Prep Batch: 480-262781

Initial Weight/Volume: +2.10 g

Dilution: 1.0

Final Weight/Volume: 10 mL

Analysis Date: 09/10/2015 1659

Injection Volume: 1 µL

Prep Date: 09/10/2015 0819

Result Type: PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
PCB-1016		ND		0.057	0.29
PCB-1221		ND		0.057	0.29
PCB-1232		ND		0.057	0.29
PCB-1242		ND		0.057	0.29
PCB-1248		ND		0.057	0.29
PCB-1254		ND		0.14	0.29
PCB-1260		0.21	J	0.14	0.29

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	100		60 - 154
DCB Decachlorobiphenyl	98		65 - 174

Analytical Data

Client: AECOM Technical Services Inc.

Job Number: 480-86924-1

Client Sample ID: CS-41(BOTTOM 1.0')

Lab Sample ID: 480-86924-2

Date Sampled: 09/09/2015 0951

Client Matrix: Solid

% Moisture: 18.0

Date Received: 09/09/2015 1345

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method: 8082A

Analysis Batch: 480-262904

Instrument ID: HP6890-7

Prep Method: 3550C

Prep Batch: 480-262781

Initial Weight/Volume: +2.14 g

Dilution: 1.0

Final Weight/Volume: 10 mL

Analysis Date: 09/10/2015 1715

Injection Volume: 1 uL

Prep Date: 09/10/2015 0819

Result Type: PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
PCB-1016		ND		0.056	0.28
PCB-1221		ND		0.056	0.28
PCB-1232		ND		0.056	0.28
PCB-1242		ND		0.056	0.28
PCB-1248		ND		0.056	0.28
PCB-1254		ND		0.13	0.28
PCB-1260		0.45		0.13	0.28

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	90		60 - 154
DCB Decachlorobiphenyl	87		65 - 174

Analytical Data

Client: AECOM Technical Services Inc.

Job Number: 480-86924-1

Client Sample ID: CS-42(BOTTOM 1.0')

Lab Sample ID: 480-86924-3

Date Sampled: 09/09/2015 1000

Client Matrix: Solid

% Moisture: 13.2

Date Received: 09/09/2015 1345

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method: 8082A

Analysis Batch: 480-262904

Instrument ID: HP6890-7

Prep Method: 3550C

Prep Batch: 480-262781

Initial Weight/Volume: +2.59 g

Dilution: 1.0

Final Weight/Volume: 10 mL

Analysis Date: 09/10/2015 1731

Injection Volume: 1 uL

Prep Date: 09/10/2015 0819

Result Type: PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
PCB-1016		ND		0.044	0.22
PCB-1221		ND		0.044	0.22
PCB-1232		ND		0.044	0.22
PCB-1242		ND		0.044	0.22
PCB-1248		ND		0.044	0.22
PCB-1254		ND		0.10	0.22
PCB-1260		0.17	J	0.10	0.22

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	99		60 - 154
DCB Decachlorobiphenyl	97		65 - 174

Analytical Data

Client: AECOM Technical Services Inc.

Job Number: 480-86924-1

Client Sample ID: CS-43(SIDEWALL 0.5')

Lab Sample ID: 480-86924-4

Date Sampled: 09/09/2015 1153

Client Matrix: Solid

% Moisture: 16.5

Date Received: 09/09/2015 1345

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	480-262904	Instrument ID:	HP6890-7
Prep Method:	3550C	Prep Batch:	480-262781	Initial Weight/Volume:	+2.16 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	09/10/2015 1818			Injection Volume:	1 µL
Prep Date:	09/10/2015 0819			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
PCB-1016		ND		0.054	0.28
PCB-1221		ND		0.054	0.28
PCB-1232		ND		0.054	0.28
PCB-1242		ND		0.054	0.28
PCB-1248		ND		0.054	0.28
PCB-1254		ND		0.13	0.28
PCB-1260		0.29		0.13	0.28

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	99		60 - 154
DCB Decachlorobiphenyl	98		65 - 174

Analytical Data

Client: AECOM Technical Services Inc.

Job Number: 480-86924-1

Client Sample ID: CS-44(SIDEWALL 0.5')

Lab Sample ID: 480-86924-5

Date Sampled: 09/09/2015 1157

Client Matrix: Solid

% Moisture: 13.7

Date Received: 09/09/2015 1345

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	480-262904	Instrument ID:	HP6890-7
Prep Method:	3550C	Prep Batch:	480-262781	Initial Weight/Volume:	+2.28 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	09/10/2015 1834			Injection Volume:	1 µL
Prep Date:	09/10/2015 0819			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
PCB-1016		ND		0.050	0.25
PCB-1221		ND		0.050	0.25
PCB-1232		ND		0.050	0.25
PCB-1242		ND		0.050	0.25
PCB-1248		ND		0.050	0.25
PCB-1254		ND		0.12	0.25
PCB-1260		0.12	✓ NJ	0.12	0.25

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	94		60 - 154
DCB Decachlorobiphenyl	92		65 - 174

9/15/15
✓

Analytical Data

Client: AECOM Technical Services Inc.

Job Number: 480-86924-1

Client Sample ID: CS-45(SIDEWALL 0.5')

Lab Sample ID: 480-86924-6

Date Sampled: 09/09/2015 1202

Client Matrix: Solid

% Moisture: 13.0

Date Received: 09/09/2015 1345

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	480-262904	Instrument ID:	HP6890-7
Prep Method:	3550C	Prep Batch:	480-262781	Initial Weight/Volume:	+2.09 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	09/10/2015 1850			Injection Volume:	1 uL
Prep Date:	09/10/2015 0819			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
PCB-1016		ND		0.054	0.27
PCB-1221		ND		0.054	0.27
PCB-1232		ND		0.054	0.27
PCB-1242		ND		0.054	0.27
PCB-1248		ND		0.054	0.27
PCB-1254		ND		0.13	0.27
PCB-1260		0.47		0.13	0.27

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	96		60 - 154
DCB Decachlorobiphenyl	97		65 - 174

Analytical Data

Client: AECOM Technical Services Inc.

Job Number: 480-87000-1

Client Sample ID: CS-46 (SIDEWALL 0.5')

Lab Sample ID: 480-87000-3

Date Sampled: 09/10/2015 1130

Client Matrix: Solid

% Moisture: 14.3

Date Received: 09/10/2015 1428

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	480-263040	Instrument ID:	HP6890-7
Prep Method:	3550C	Prep Batch:	480-263058	Initial Weight/Volume:	2.16 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	09/11/2015 1637			Injection Volume:	1 µL
Prep Date:	09/11/2015 0915			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
PCB-1016		ND		0.053	0.27
PCB-1221		ND		0.053	0.27
PCB-1232		ND		0.053	0.27
PCB-1242		ND		0.053	0.27
PCB-1248		ND		0.053	0.27
PCB-1254		ND		0.13	0.27
PCB-1260		ND		0.13	0.27

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	95		60 - 154
DCB Decachlorobiphenyl	92		65 - 174

Analytical Data

Client: AECOM Technical Services Inc.

Job Number: 480-87000-1

Client Sample ID: CS-47 (SIDEWALL 0.5')

Lab Sample ID: 480-87000-2

Date Sampled: 09/10/2015 1125

Client Matrix: Solid

% Moisture: 10.1

Date Received: 09/10/2015 1428

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method: 8082A

Analysis Batch: 480-263040

Instrument ID: HP6890-7

Prep Method: 3550C

Prep Batch: 480-263058

Initial Weight/Volume: 2.14 g

Dilution: 1.0

Final Weight/Volume: 10 mL

Analysis Date: 09/11/2015 1621

Injection Volume: 1 uL

Prep Date: 09/11/2015 0915

Result Type: PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
PCB-1016		ND		0.051	0.26
PCB-1221		ND		0.051	0.26
PCB-1232		ND		0.051	0.26
PCB-1242		ND		0.051	0.26
PCB-1248		ND		0.051	0.26
PCB-1254		ND		0.12	0.26
PCB-1260		0.29		0.12	0.26

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	89		60 - 154
DCB Decachlorobiphenyl	91		65 - 174

Analytical Data

Client: AECOM Technical Services Inc.

Job Number: 480-87764-1

Client Sample ID: CS-60 (SIDEWALL 0.5)

Lab Sample ID: 480-87764-12

Date Sampled: 09/23/2015 1102

Client Matrix: Solid

% Moisture: 15.5

Date Received: 09/23/2015 1440

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	480-265299	Instrument ID:	HP6890-7
Prep Method:	3550C	Prep Batch:	480-265234	Initial Weight/Volume:	+2.86 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	09/24/2015 1646			Injection Volume:	1 µL
Prep Date:	09/24/2015 0755			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
PCB-1016		ND		0.040	0.21
PCB-1221		ND		0.040	0.21
PCB-1232		ND		0.040	0.21
PCB-1242		ND		0.040	0.21
PCB-1248		ND		0.040	0.21
PCB-1254		ND		0.097	0.21
PCB-1260		0.17	J	0.097	0.21

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	91		60 - 154
DCB Decachlorobiphenyl	84		65 - 174

Analytical Data

Client: AECOM Technical Services Inc.

Job Number: 480-87764-1

Client Sample ID: CS-61 (SIDEWALL 0.5)

Lab Sample ID: 480-87764-13

Date Sampled: 09/23/2015 1110

Client Matrix: Solid

% Moisture: 13.5

Date Received: 09/23/2015 1440

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	480-265299	Instrument ID:	HP6890-7
Prep Method:	3550C	Prep Batch:	480-265234	Initial Weight/Volume:	+2.08 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	09/24/2015 1702			Injection Volume:	1 uL
Prep Date:	09/24/2015 0755			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
PCB-1016		ND		0.054	0.28
PCB-1221		0.068 ND	J	0.054	0.28
PCB-1232		ND		0.054	0.28
PCB-1242		ND		0.054	0.28
PCB-1248		ND		0.054	0.28
PCB-1254		0.34		0.13	0.28
PCB-1260		0.47		0.13	0.28

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	98		60 - 154
DCB Decachlorobiphenyl	101		65 - 174

11/24/15
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Analytical Data

Client: AECOM Technical Services Inc.

Job Number: 480-87764-1

Client Sample ID: 20150923-FD-1

CS-61 (SIDEWALL 0.5)

Lab Sample ID: 480-87764-14

Date Sampled: 09/23/2015 0000

Client Matrix: Solid

% Moisture: 16.1

Date Received: 09/23/2015 1440

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	480-265299	Instrument ID:	HP6890-7
Prep Method:	3550C	Prep Batch:	480-265234	Initial Weight/Volume:	+2.78 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	09/24/2015 1718			Injection Volume:	1 uL
Prep Date:	09/24/2015 0755			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
PCB-1016		ND		0.042	0.21
PCB-1221		ND		0.042	0.21
PCB-1232		ND		0.042	0.21
PCB-1242		ND		0.042	0.21
PCB-1248		ND		0.042	0.21
PCB-1254		ND		0.10	0.21
PCB-1260		0.40	J	0.10	0.21

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	97		60 - 154
DCB Decachlorobiphenyl	96		65 - 174

11/24/15

Analytical Data

Client: AECOM Technical Services Inc.

Job Number: 480-87764-2

Client Sample ID: CS-63 (BOTTOM 1.0)

Lab Sample ID: 480-87764-15

Date Sampled: 09/23/2015 1123

Client Matrix: Solid

% Moisture: 16.0

Date Received: 09/23/2015 1440

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	480-265299	Instrument ID:	HP6890-7
Prep Method:	3550C	Prep Batch:	480-265234	Initial Weight/Volume:	+2.44 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	09/24/2015 1407			Injection Volume:	1 uL
Prep Date:	09/24/2015 0859			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
PCB-1016		ND		0.048	0.24
PCB-1221		ND		0.048	0.24
PCB-1232		ND		0.048	0.24
PCB-1242		ND		0.048	0.24
PCB-1248		0.31		0.048	0.24
PCB-1254		ND		0.11	0.24
PCB-1260		1.4	J	0.11	0.24

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	99		60 - 154
DCB Decachlorobiphenyl	100		65 - 174

11/24/15

Analytical Data

Client: AECOM Technical Services Inc.

Job Number: 480-88152-1

Client Sample ID: CS-63A (BOTTOM 1.5)

Lab Sample ID: 480-88152-1

Date Sampled: 09/30/2015 1405

Client Matrix: Solid

% Moisture: 14.4

Date Received: 09/30/2015 1800

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	480-266443	Instrument ID:	HP5890-12
Prep Method:	3550C	Prep Batch:	480-266401	Initial Weight/Volume:	+2.50 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	10/01/2015 1513			Injection Volume:	1 uL
Prep Date:	10/01/2015 0831			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
PCB-1016		ND		0.046	0.23
PCB-1221		ND		0.046	0.23
PCB-1232		ND		0.046	0.23
PCB-1242		ND		0.046	0.23
PCB-1248		ND		0.046	0.23
PCB-1254		ND		0.11	0.23
PCB-1260		ND		0.11	0.23

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	101		60 - 154
DCB Decachlorobiphenyl	95		65 - 174

Analytical Data

Client: AECOM Technical Services Inc.

Job Number: 480-87764-1

Client Sample ID: CS-64 (SIDEWALL 0.5)

Lab Sample ID: 480-87764-16

Date Sampled: 09/23/2015 1127

Client Matrix: Solid

% Moisture: 12.4

Date Received: 09/23/2015 1440

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	480-265299	Instrument ID:	HP6890-7
Prep Method:	3550C	Prep Batch:	480-265234	Initial Weight/Volume:	+2.32 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	09/24/2015 1821			Injection Volume:	1 µL
Prep Date:	09/24/2015 0859			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
PCB-1016		ND		0.048	0.25
PCB-1221		ND		0.048	0.25
PCB-1232		ND		0.048	0.25
PCB-1242		ND		0.048	0.25
PCB-1248		ND		0.048	0.25
PCB-1254		ND		0.12	0.25
PCB-1260		0.26 J		0.12	0.25

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	102		60 - 154
DCB Decachlorobiphenyl	104		65 - 174

4/24/15
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Analytical Data

Client: AECOM Technical Services Inc.

Job Number: 480-87764-1

Client Sample ID: CS-67 (SIDEWALL 0.5)

Lab Sample ID: 480-87764-17

Date Sampled: 09/23/2015 1155

Client Matrix: Solid

% Moisture: 16.1

Date Received: 09/23/2015 1440

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	480-265299	Instrument ID:	HP6890-7
Prep Method:	3550C	Prep Batch:	480-265234	Initial Weight/Volume:	+2.41 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	09/24/2015 1805			Injection Volume:	1 µL
Prep Date:	09/24/2015 0755			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
PCB-1016		ND		0.048	0.25
PCB-1221		ND		0.048	0.25
PCB-1232		ND		0.048	0.25
PCB-1242		0.41		0.048	0.25
PCB-1248		ND		0.048	0.25
PCB-1254		ND		0.12	0.25
PCB-1260		0.90		0.12	0.25

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	95		60 - 154
DCB Decachlorobiphenyl	97		65 - 174

Analytical Data

Client: AECOM Technical Services Inc.

Job Number: 480-88152-2

Client Sample ID: CS-90 (SIDEWALL 0.5)

Lab Sample ID: 480-88152-2

Date Sampled: 09/30/2015 1715

Client Matrix: Solid

% Moisture: 19.3

Date Received: 09/30/2015 1800

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	480-266443	Instrument ID:	HP5890-12
Prep Method:	3550C	Prep Batch:	480-266401	Initial Weight/Volume:	+2.72 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	10/01/2015 1528			Injection Volume:	1 uL
Prep Date:	10/01/2015 0831			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
PCB-1016		ND		0.045	0.23
PCB-1221		ND		0.045	0.23
PCB-1232		ND		0.045	0.23
PCB-1242		ND		0.045	0.23
PCB-1248		ND		0.045	0.23
PCB-1254		ND		0.11	0.23
PCB-1260		ND		0.11	0.23

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	103		60 - 154
DCB Decachlorobiphenyl	93		65 - 174

Analytical Data

Client: AECOM Technical Services Inc.

Job Number: 480-88489-1

Client Sample ID: CS-105 (Bottom 1.5)

Lab Sample ID: 480-88489-1

Date Sampled: 10/06/2015 1055

Client Matrix: Solid

% Moisture: 12.4

Date Received: 10/06/2015 1515

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	480-267460	Instrument ID:	HP6890-7
Prep Method:	3550C	Prep Batch:	480-267330	Initial Weight/Volume:	+2.28 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	10/07/2015 1754			Injection Volume:	1 uL
Prep Date:	10/07/2015 0749			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
PCB-1016		ND		0.049	0.25
PCB-1221		ND		0.049	0.25
PCB-1232		ND		0.049	0.25
PCB-1242		ND		0.049	0.25
PCB-1248		ND		0.049	0.25
PCB-1254		ND		0.12	0.25
PCB-1260		ND		0.12	0.25

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	110		60 - 154
DCB Decachlorobiphenyl	106		65 - 174

Analytical Data

Client: AECOM Technical Services Inc.

Job Number: 480-88489-1

Client Sample ID: 20151006-FD-1

CS-105 (Bottom 1.5)

Lab Sample ID: 480-88489-2FD

Date Sampled: 10/06/2015 0000

Client Matrix: Solid

% Moisture: 13.3

Date Received: 10/06/2015 1515

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	480-267460	Instrument ID:	HP6890-7
Prep Method:	3550C	Prep Batch:	480-267330	Initial Weight/Volume:	+2.29 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	10/07/2015 1810			Injection Volume:	1 uL
Prep Date:	10/07/2015 0749			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
PCB-1016		ND		0.049	0.25
PCB-1221		ND		0.049	0.25
PCB-1232		ND		0.049	0.25
PCB-1242		ND		0.049	0.25
PCB-1248		ND		0.049	0.25
PCB-1254		ND		0.12	0.25
PCB-1260		ND		0.12	0.25

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	110		60 - 154
DCB Decachlorobiphenyl	107		65 - 174

Analytical Data

Client: AECOM Technical Services Inc.

Job Number: 480-88489-1

Client Sample ID: CS-106 (Sidewall 0.5)

Lab Sample ID: 480-88489-3

Date Sampled: 10/06/2015 1105

Client Matrix: Solid

% Moisture: 20.5

Date Received: 10/06/2015 1515

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method: 8082A

Analysis Batch: 480-267460

Instrument ID: HP6890-7

Prep Method: 3550C

Prep Batch: 480-267330

Initial Weight/Volume: +2.90 g

Dilution: 1.0

Final Weight/Volume: 10 mL

Analysis Date: 10/07/2015 1548

Injection Volume: 1 µL

Prep Date: 10/07/2015 0749

Result Type: PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
PCB-1016		ND		0.042	0.22
PCB-1221		ND		0.042	0.22
PCB-1232		ND		0.042	0.22
PCB-1242		ND		0.042	0.22
PCB-1248		ND		0.042	0.22
PCB-1254		0.85		0.10	0.22
PCB-1260		0.58	F1	0.10	0.22

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	101		60 - 154
DCB Decachlorobiphenyl	94		65 - 174

11/6/16
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Analytical Data

Client: AECOM Technical Services Inc.

Job Number: 480-88932-1

Client Sample ID: CS-106A (SIDEWALL 0.5)

Lab Sample ID: 480-88932-1

Date Sampled: 10/12/2015 1628

Client Matrix: Solid

% Moisture: 17.8

Date Received: 10/12/2015 1815

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	480-268778	Instrument ID:	HP5890-12
Prep Method:	3550C	Prep Batch:	480-268652	Initial Weight/Volume:	+2.05 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	10/14/2015 1625			Injection Volume:	1 µL
Prep Date:	10/14/2015 0807			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
PCB-1016		ND		0.058	0.30
PCB-1221		ND		0.058	0.30
PCB-1232		ND		0.058	0.30
PCB-1242		ND		0.058	0.30
PCB-1248		ND		0.058	0.30
PCB-1254		ND		0.14	0.30
PCB-1260		0.60		0.14	0.30

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	111		60 - 154
DCB Decachlorobiphenyl	110		65 - 174

Analytical Data

Client: AECOM Technical Services Inc.

Job Number: 480-88489-1

Client Sample ID: CS-108 (Sidewall 0.5)

Lab Sample ID: 480-88489-4

Date Sampled: 10/06/2015 1125

Client Matrix: Solid

% Moisture: 20.6

Date Received: 10/06/2015 1515

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method: 8082A

Analysis Batch: 480-267460

Instrument ID: HP6890-7

Prep Method: 3550C

Prep Batch: 480-267330

Initial Weight/Volume: +2.78 g

Dilution: 1.0

Final Weight/Volume: 10 mL

Analysis Date: 10/07/2015 1826

Injection Volume: 1 uL

Prep Date: 10/07/2015 0749

Result Type: PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
PCB-1016		ND		0.044	0.23
PCB-1221		ND		0.044	0.23
PCB-1232		ND		0.044	0.23
PCB-1242		ND		0.044	0.23
PCB-1248		ND		0.044	0.23
PCB-1254		ND		0.11	0.23
PCB-1260		0.13	J	0.11	0.23

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	109		60 - 154
DCB Decachlorobiphenyl	103		65 - 174

Analytical Data

Client: AECOM Technical Services Inc.

Job Number: 480-88489-1

Client Sample ID: CS-111 (Bottom 1.5)

Lab Sample ID: 480-88489-5

Date Sampled: 10/06/2015 1220

Client Matrix: Solid

% Moisture: 17.5

Date Received: 10/06/2015 1515

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	480-267460	Instrument ID:	HP6890-7
Prep Method:	3550C	Prep Batch:	480-267330	Initial Weight/Volume:	+2.50 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	10/07/2015 1841			Injection Volume:	1 uL
Prep Date:	10/07/2015 0749			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
PCB-1016		ND		0.047	0.24
PCB-1221		ND		0.047	0.24
PCB-1232		ND		0.047	0.24
PCB-1242		ND		0.047	0.24
PCB-1248		ND		0.047	0.24
PCB-1254		ND		0.11	0.24
PCB-1260		ND		0.11	0.24

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	112		60 - 154
DCB Decachlorobiphenyl	110		65 - 174

Analytical Data

Client: AECOM Technical Services Inc.

Job Number: 480-88489-1

Client Sample ID: CS-112 (Sidewall 0.5)

Lab Sample ID: 480-88489-6

Date Sampled: 10/06/2015 1225

Client Matrix: Solid

% Moisture: 20.3

Date Received: 10/06/2015 1515

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	480-267460	Instrument ID:	HP6890-7
Prep Method:	3550C	Prep Batch:	480-267330	Initial Weight/Volume:	+2.24 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	10/07/2015 1857			Injection Volume:	1 µL
Prep Date:	10/07/2015 0749			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
PCB-1016		ND		0.055	0.28
PCB-1221		ND		0.055	0.28
PCB-1232		ND		0.055	0.28
PCB-1242		ND		0.055	0.28
PCB-1248		ND		0.055	0.28
PCB-1254		ND		0.13	0.28
PCB-1260		ND		0.13	0.28

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	107		60 - 154
DCB Decachlorobiphenyl	103		65 - 174

Analytical Data

Client: AECOM Technical Services Inc.

Job Number: 480-88859-1

Client Sample ID: CS-122 (SIDEWALL 0.5)

Lab Sample ID: 480-88859-1

Date Sampled: 10/09/2015 1425

Client Matrix: Solid

% Moisture: 22.5

Date Received: 10/09/2015 1650

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	480-268269	Instrument ID:	HP5890-12
Prep Method:	3550C	Prep Batch:	480-268183	Initial Weight/Volume:	+2.77 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	10/12/2015 1506			Injection Volume:	1 µL
Prep Date:	10/12/2015 0818			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
PCB-1016		ND		0.046	0.23
PCB-1221		ND		0.046	0.23
PCB-1232		ND		0.046	0.23
PCB-1242		ND		0.046	0.23
PCB-1248		ND		0.046	0.23
PCB-1254		ND		0.11	0.23
PCB-1260		ND		0.11	0.23

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	91		60 - 154
DCB Decachlorobiphenyl	78		65 - 174

Analytical Data

Client: AECOM Technical Services Inc.

Job Number: 480-88859-1

Client Sample ID: CS-123 (SIDEWALL 1.0)

Lab Sample ID: 480-88859-2

Date Sampled: 10/09/2015 1450

Client Matrix: Solid

% Moisture: 16.6

Date Received: 10/09/2015 1650

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	480-268269	Instrument ID:	HP5890-12
Prep Method:	3550C	Prep Batch:	480-268183	Initial Weight/Volume:	+2.34 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	10/12/2015 1635			Injection Volume:	1 µL
Prep Date:	10/12/2015 0818			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
PCB-1016		ND		0.050	0.26
PCB-1221		ND		0.050	0.26
PCB-1232		ND		0.050	0.26
PCB-1242		ND		0.050	0.26
PCB-1248		ND		0.050	0.26
PCB-1254		ND		0.12	0.26
PCB-1260		ND		0.12	0.26

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	93		60 - 154
DCB Decachlorobiphenyl	89		65 - 174

Analytical Data

Client: AECOM Technical Services Inc.

Job Number: 480-88859-1

Client Sample ID: CS-124 (SIDEWALL 0.5)

Lab Sample ID: 480-88859-3

Date Sampled: 10/09/2015 1455

Client Matrix: Solid

% Moisture: 23.0

Date Received: 10/09/2015 1650

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	480-268269	Instrument ID:	HP5890-12
Prep Method:	3550C	Prep Batch:	480-268183	Initial Weight/Volume:	+2.53 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	10/12/2015 1650			Injection Volume:	1 µL
Prep Date:	10/12/2015 0818			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
PCB-1016		ND		0.050	0.26
PCB-1221		ND		0.050	0.26
PCB-1232		ND		0.050	0.26
PCB-1242		ND		0.050	0.26
PCB-1248		ND		0.050	0.26
PCB-1254		ND		0.12	0.26
PCB-1260		ND		0.12	0.26

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	85		60 - 154
DCB Decachlorobiphenyl	78		65 - 174

Analytical Data

Client: AECOM Technical Services Inc.

Job Number: 480-88859-1

Client Sample ID: CS-125 (SIDEWALL 0.5)

Lab Sample ID: 480-88859-4

Date Sampled: 10/09/2015 1500

Client Matrix: Solid

% Moisture: 9.9

Date Received: 10/09/2015 1650

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	480-268269	Instrument ID:	HP5890-12
Prep Method:	3550C	Prep Batch:	480-268183	Initial Weight/Volume:	+2.69 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	10/12/2015 1705			Injection Volume:	1 µL
Prep Date:	10/12/2015 0818			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
PCB-1016		ND		0.040	0.21
PCB-1221		ND		0.040	0.21
PCB-1232		ND		0.040	0.21
PCB-1242		ND		0.040	0.21
PCB-1248		ND		0.040	0.21
PCB-1254		ND		0.097	0.21
PCB-1260		ND		0.097	0.21

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	88		60 - 154
DCB Decachlorobiphenyl	84		65 - 174

Analytical Data

Client: AECOM Technical Services Inc.

Job Number: 480-88859-1

Client Sample ID: CS-126 (SIDEWALL 0.5)

Lab Sample ID: 480-88859-5

Date Sampled: 10/09/2015 1510

Client Matrix: Solid

% Moisture: 16.4

Date Received: 10/09/2015 1650

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	480-268269	Instrument ID:	HP5890-12
Prep Method:	3550C	Prep Batch:	480-268183	Initial Weight/Volume:	+2.98 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	10/12/2015 1720			Injection Volume:	1 uL
Prep Date:	10/12/2015 0818			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
PCB-1016		0.12	J	0.039	0.20
PCB-1221		ND		0.039	0.20
PCB-1232		ND		0.039	0.20
PCB-1242		ND		0.039	0.20
PCB-1248		ND		0.039	0.20
PCB-1254		2.0		0.094	0.20
PCB-1260		0.49		0.094	0.20

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	99		60 - 154
DCB Decachlorobiphenyl	97		65 - 174

Analytical Data

Client: AECOM Technical Services Inc.

Job Number: 480-88991-1

Client Sample ID: CS-131 (BOTTOM 1.0)

Lab Sample ID: 480-88991-1

Date Sampled: 10/13/2015 1320

Client Matrix: Solid

% Moisture: 16.9

Date Received: 10/13/2015 1555

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	480-268719	Instrument ID:	HP6890-7
Prep Method:	3550C	Prep Batch:	480-268651	Initial Weight/Volume:	+2.16 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	10/14/2015 1721			Injection Volume:	1 uL
Prep Date:	10/14/2015 0802			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
PCB-1016		ND		0.054	0.28
PCB-1221		ND		0.054	0.28
PCB-1232		ND		0.054	0.28
PCB-1242		ND		0.054	0.28
PCB-1248		ND		0.054	0.28
PCB-1254		ND		0.13	0.28
PCB-1260		ND		0.13	0.28

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	107		60 - 154
DCB Decachlorobiphenyl	107		65 - 174

Analytical Data

Client: AECOM Technical Services Inc.

Job Number: 480-88991-1

Client Sample ID: 20151013-FD-1

CS-131 (Bottom 1.0)

Lab Sample ID: 480-88991-2

Date Sampled: 10/13/2015 0000

Client Matrix: Solid

% Moisture: 14.7

Date Received: 10/13/2015 1555

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	480-268719	Instrument ID:	HP6890-7
Prep Method:	3550C	Prep Batch:	480-268651	Initial Weight/Volume:	+2.49 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	10/14/2015 1737			Injection Volume:	1 µL
Prep Date:	10/14/2015 0802			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
PCB-1016		ND		0.046	0.24
PCB-1221		ND		0.046	0.24
PCB-1232		ND		0.046	0.24
PCB-1242		ND		0.046	0.24
PCB-1248		ND		0.046	0.24
PCB-1254		ND		0.11	0.24
PCB-1260		ND		0.11	0.24

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	107		60 - 154
DCB Decachlorobiphenyl	106		65 - 174

Analytical Data

Client: AECOM Technical Services Inc.

Job Number: 480-88991-2

Client Sample ID: CS-132 (SIDEWALL 0.5)

Lab Sample ID: 480-88991-3

Date Sampled: 10/13/2015 1330

Client Matrix: Solid

% Moisture: 9.5

Date Received: 10/13/2015 1555

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method: 8082A	Analysis Batch: 480-268719	Instrument ID: HP6890-7
Prep Method: 3550C	Prep Batch: 480-268651	Initial Weight/Volume: +2.36 g
Dilution: 1.0		Final Weight/Volume: 10 mL
Analysis Date: 10/14/2015 1426		Injection Volume: 1 uL
Prep Date: 10/14/2015 0802		Result Type: PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
PCB-1016		0.17	N J	0.046	0.23
PCB-1221		ND		0.046	0.23
PCB-1232		ND		0.046	0.23
PCB-1242		ND		0.046	0.23
PCB-1248		ND		0.046	0.23
PCB-1254		2.4	J	0.11	0.23
PCB-1260		0.54	J	0.11	0.23

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	108		60 - 154
DCB Decachlorobiphenyl	103		65 - 174

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Analytical Data

Client: AECOM Technical Services Inc.

Job Number: 480-88991-1

Client Sample ID: CS-133 (SIDEWALL 0.5)

Lab Sample ID: 480-88991-4

Date Sampled: 10/13/2015 1337

Client Matrix: Solid

% Moisture: 17.6

Date Received: 10/13/2015 1555

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method: 8082A

Analysis Batch: 480-268719

Instrument ID: HP6890-7

Prep Method: 3550C

Prep Batch: 480-268651

Initial Weight/Volume: +2.89 g

Dilution: 1.0

Final Weight/Volume: 10 mL

Analysis Date: 10/14/2015 1442

Injection Volume: 1 µL

Prep Date: 10/14/2015 0802

Result Type: PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
PCB-1016		ND		0.041	0.21
PCB-1221		ND		0.041	0.21
PCB-1232		ND		0.041	0.21
PCB-1242		ND		0.041	0.21
PCB-1248		ND		0.041	0.21
PCB-1254		ND		0.098	0.21
PCB-1260		ND		0.098	0.21

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	108		60 - 154
DCB Decachlorobiphenyl	103		65 - 174

Analytical Data

Client: AECOM Technical Services Inc.

Job Number: 480-88991-1

Client Sample ID: CS-135 (SIDEWALL 0.5)

Lab Sample ID: 480-88991-5

Date Sampled: 10/13/2015 1400

Client Matrix: Solid

% Moisture: 17.9

Date Received: 10/13/2015 1555

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method: 8082A

Analysis Batch: 480-268719

Instrument ID: HP6890-7

Prep Method: 3550C

Prep Batch: 480-268651

Initial Weight/Volume: +2.18 g

Dilution: 1.0

Final Weight/Volume: 10 mL

Analysis Date: 10/14/2015 1753

Injection Volume: 1 µL

Prep Date: 10/14/2015 0802

Result Type: PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
PCB-1016		ND		0.055	0.28
PCB-1221		ND		0.055	0.28
PCB-1232		ND		0.055	0.28
PCB-1242		ND		0.055	0.28
PCB-1248		ND		0.055	0.28
PCB-1254		0.30		0.13	0.28
PCB-1260		0.22	J	0.13	0.28

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	103		60 - 154
DCB Decachlorobiphenyl	98		65 - 174

Analytical Data

Client: AECOM Technical Services Inc.

Job Number: 480-88991-1

Client Sample ID: CS-136 (SIDEWALL 0.5)

Lab Sample ID: 480-88991-6

Date Sampled: 10/13/2015 1405

Client Matrix: Solid

% Moisture: 12.7

Date Received: 10/13/2015 1555

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	480-268719	Instrument ID:	HP6890-7
Prep Method:	3550C	Prep Batch:	480-268651	Initial Weight/Volume:	+2.95 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	10/14/2015 1809			Injection Volume:	1 µL
Prep Date:	10/14/2015 0802			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
PCB-1016		0.49 J		0.038	0.19
PCB-1221		ND		0.038	0.19
PCB-1232		ND		0.038	0.19
PCB-1242		ND		0.038	0.19
PCB-1248		ND		0.038	0.19
PCB-1254		3.8		0.091	0.19
PCB-1260		0.84 J		0.091	0.19

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	94		60 - 154
DCB Decachlorobiphenyl	85		65 - 174

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Analytical Data

Client: AECOM Technical Services Inc.

Job Number: 480-88991-2

Client Sample ID: CS-137 (SIDEWALL 0.5)

Lab Sample ID: 480-88991-7

Date Sampled: 10/13/2015 1410

Client Matrix: Solid

% Moisture: 18.1

Date Received: 10/13/2015 1555

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	480-268719	Instrument ID:	HP6890-7
Prep Method:	3550C	Prep Batch:	480-268651	Initial Weight/Volume:	+2.18 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	10/14/2015 1458			Injection Volume:	1 µL
Prep Date:	10/14/2015 0802			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
PCB-1016		ND		0.055	0.28
PCB-1221		ND		0.055	0.28
PCB-1232		ND		0.055	0.28
PCB-1242		ND		0.055	0.28
PCB-1248		0.075	J	0.055	0.28
PCB-1254		ND		0.13	0.28
PCB-1260		1.1		0.13	0.28

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	108		60 - 154
DCB Decachlorobiphenyl	105		65 - 174

Analytical Data

Client: AECOM Technical Services Inc.

Job Number: 480-88991-2

Client Sample ID: CS-139 (BOTTOM 1.0)

Lab Sample ID: 480-88991-8

Date Sampled: 10/13/2015 1425

Client Matrix: Solid

% Moisture: 16.2

Date Received: 10/13/2015 1555

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method: 8082A

Analysis Batch: 480-268719

Instrument ID: HP6890-7

Prep Method: 3550C

Prep Batch: 480-268651

Initial Weight/Volume: +2.95 g

Dilution: 1.0

Final Weight/Volume: 10 mL

Analysis Date: 10/14/2015 1514

Injection Volume: 1 µL

Prep Date: 10/14/2015 0802

Result Type: PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
PCB-1016		ND		0.040	0.20
PCB-1221		ND		0.040	0.20
PCB-1232		ND		0.040	0.20
PCB-1242		ND		0.040	0.20
PCB-1248		ND		0.040	0.20
PCB-1254		ND		0.095	0.20
PCB-1260		ND		0.095	0.20

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	108		60 - 154
DCB Decachlorobiphenyl	105		65 - 174

Analytical Data

Client: AECOM Technical Services Inc.

Job Number: 480-89056-1

Client Sample ID: CS-140(SIDEWALL 0.8)

Lab Sample ID: 480-89056-1

Date Sampled: 10/14/2015 1005

Client Matrix: Solid

% Moisture: 15.8

Date Received: 10/14/2015 1155

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	480-268778	Instrument ID:	HP5890-12
Prep Method:	3550C	Prep Batch:	480-268652	Initial Weight/Volume:	+2.13 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	10/14/2015 1739			Injection Volume:	1 µL
Prep Date:	10/14/2015 1201			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
PCB-1016		ND		0.055	0.28
PCB-1221		ND		0.055	0.28
PCB-1232		ND		0.055	0.28
PCB-1242		ND		0.055	0.28
PCB-1248		ND		0.055	0.28
PCB-1254		ND		0.13	0.28
PCB-1260		ND		0.13	0.28

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	107		60 - 154
DCB Decachlorobiphenyl	103		65 - 174

Analytical Data

Client: AECOM Technical Services Inc.

Job Number: 480-89242-1

Client Sample ID: CS-141 (SIDEWALL 0.5)

Lab Sample ID: 480-89242-1

Date Sampled: 10/15/2015 1250

Client Matrix: Solid

% Moisture: 16.8

Date Received: 10/15/2015 1750

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	480-269215	Instrument ID:	HP6890-7
Prep Method:	3550C	Prep Batch:	480-269148	Initial Weight/Volume:	+2.13 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	10/16/2015 1452			Injection Volume:	1 µL
Prep Date:	10/16/2015 0813			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
PCB-1016		ND		0.055	0.28
PCB-1221		ND		0.055	0.28
PCB-1232		ND		0.055	0.28
PCB-1242		ND		0.055	0.28
PCB-1248		ND		0.055	0.28
PCB-1254		ND		0.13	0.28
PCB-1260		ND		0.13	0.28

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	100		60 - 154
DCB Decachlorobiphenyl	101		65 - 174

Analytical Data

Client: AECOM Technical Services Inc.

Job Number: 480-89242-1

Client Sample ID: CS-142 (SIDEWALL 0.5)

Lab Sample ID: 480-89242-2

Date Sampled: 10/15/2015 1530

Client Matrix: Solid

% Moisture: 10.7

Date Received: 10/15/2015 1750

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method: 8082A	Analysis Batch: 480-269215	Instrument ID: HP6890-7
Prep Method: 3550C	Prep Batch: 480-269148	Initial Weight/Volume: +2.69 g
Dilution: 1.0		Final Weight/Volume: 10 mL
Analysis Date: 10/16/2015 1508		Injection Volume: 1 uL
Prep Date: 10/16/2015 0813		Result Type: PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
PCB-1016		0.13	N J	0.041	0.21
PCB-1221		ND		0.041	0.21
PCB-1232		ND		0.041	0.21
PCB-1242		ND		0.041	0.21
PCB-1248		ND		0.041	0.21
PCB-1254		3.4	J	0.097	0.21
PCB-1260		0.79	J	0.097	0.21

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	91		60 - 154
DCB Decachlorobiphenyl	90		65 - 174

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Analytical Data

Client: AECOM Technical Services Inc.

Job Number: 480-89242-1

Client Sample ID: CS-143 (SIDEWALL 0.5)

Lab Sample ID: 480-89242-3

Date Sampled: 10/15/2015 1540

Client Matrix: Solid

% Moisture: 16.3

Date Received: 10/15/2015 1750

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	480-269215	Instrument ID:	HP6890-7
Prep Method:	3550C	Prep Batch:	480-269148	Initial Weight/Volume:	+2.22 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	10/16/2015 1524			Injection Volume:	1 uL
Prep Date:	10/16/2015 0813			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
PCB-1016		ND		0.053	0.27
PCB-1221		ND		0.053	0.27
PCB-1232		ND		0.053	0.27
PCB-1242		ND		0.053	0.27
PCB-1248		ND		0.053	0.27
PCB-1254		ND		0.13	0.27
PCB-1260		ND		0.13	0.27

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	101		60 - 154
DCB Decachlorobiphenyl	101		65 - 174

Analytical Data

Client: AECOM Technical Services Inc.

Job Number: 480-89242-1

Client Sample ID: 20151015-FD-1

CS-143(SIDEWALL 0.5')

Lab Sample ID: 480-89242-7

Date Sampled: 10/15/2015 0000

Client Matrix: Solid

% Moisture: 16.6

Date Received: 10/15/2015 1750

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method: 8082A	Analysis Batch: 480-269215	Instrument ID: HP6890-7
Prep Method: 3550C	Prep Batch: 480-269148	Initial Weight/Volume: +2.70 g
Dilution: 1.0		Final Weight/Volume: 10 mL
Analysis Date: 10/16/2015 1627		Injection Volume: 1 uL
Prep Date: 10/16/2015 0813		Result Type: PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
PCB-1016		ND		0.043	0.22
PCB-1221		ND		0.043	0.22
PCB-1232		ND		0.043	0.22
PCB-1242		ND		0.043	0.22
PCB-1248		ND		0.043	0.22
PCB-1254		ND		0.10	0.22
PCB-1260		ND		0.10	0.22

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	97		60 - 154
DCB Decachlorobiphenyl	100		65 - 174

Analytical Data

Client: AECOM Technical Services Inc.

Job Number: 480-89242-1

Client Sample ID: CS-144 (BOTTOM 1.0)

Lab Sample ID: 480-89242-4

Date Sampled: 10/15/2015 1550

Client Matrix: Solid

% Moisture: 13.8

Date Received: 10/15/2015 1750

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	480-269215	Instrument ID:	HP6890-7
Prep Method:	3550C	Prep Batch:	480-269148	Initial Weight/Volume:	+2.01 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	10/16/2015 1540			Injection Volume:	1 uL
Prep Date:	10/16/2015 0813			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
PCB-1016		ND		0.056	0.29
PCB-1221		ND		0.056	0.29
PCB-1232		ND		0.056	0.29
PCB-1242		ND		0.056	0.29
PCB-1248		ND		0.056	0.29
PCB-1254		ND		0.14	0.29
PCB-1260		ND		0.14	0.29

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	100		60 - 154
DCB Decachlorobiphenyl	103		65 - 174

Analytical Data

Client: AECOM Technical Services Inc.

Job Number: 480-89242-1

Client Sample ID: CS-145 (SIDEWALL 0.5)

Lab Sample ID: 480-89242-5

Date Sampled: 10/15/2015 1600

Client Matrix: Solid

% Moisture: 14.7

Date Received: 10/15/2015 1750

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	480-269215	Instrument ID:	HP6890-7
Prep Method:	3550C	Prep Batch:	480-269148	Initial Weight/Volume:	+2.18 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	10/16/2015 1556			Injection Volume:	1 µL
Prep Date:	10/16/2015 0813			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
PCB-1016		ND		0.053	0.27
PCB-1221		ND		0.053	0.27
PCB-1232		ND		0.053	0.27
PCB-1242		ND		0.053	0.27
PCB-1248		ND		0.053	0.27
PCB-1254		ND		0.13	0.27
PCB-1260		ND		0.13	0.27

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	99		60 - 154
DCB Decachlorobiphenyl	102		65 - 174

Analytical Data

Client: AECOM Technical Services Inc.

Job Number: 480-89242-1

Client Sample ID: CS-147 (SIDEWALL 0.5)

Lab Sample ID: 480-89242-6

Date Sampled: 10/15/2015 1630

Client Matrix: Solid

% Moisture: 14.2

Date Received: 10/15/2015 1750

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method: 8082A

Analysis Batch: 480-269215

Instrument ID: HP6890-7

Prep Method: 3550C

Prep Batch: 480-269148

Initial Weight/Volume: +2.52 g

Dilution: 1.0

Final Weight/Volume: 10 mL

Analysis Date: 10/16/2015 1612

Injection Volume: 1 uL

Prep Date: 10/16/2015 0813

Result Type: PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
PCB-1016		ND		0.045	0.23
PCB-1221		ND		0.045	0.23
PCB-1232		ND		0.045	0.23
PCB-1242		ND		0.045	0.23
PCB-1248		ND		0.045	0.23
PCB-1254		ND		0.11	0.23
PCB-1260		ND		0.11	0.23

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	97		60 - 154
DCB Decachlorobiphenyl	99		65 - 174

Analytical Data

Client: AECOM Technical Services Inc.

Job Number: 480-89385-1

Client Sample ID: CS-148 (SIDEWALL 0.5)

Lab Sample ID: 480-89385-1

Date Sampled: 10/19/2015 1642

Client Matrix: Solid

% Moisture: 8.1

Date Received: 10/19/2015 1750

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	480-269804	Instrument ID:	HP5890-12
Prep Method:	3550C	Prep Batch:	480-269720	Initial Weight/Volume:	+2.40 g
Dilution:	2.0			Final Weight/Volume:	10 mL
Analysis Date:	10/20/2015 1105			Injection Volume:	1 uL
Prep Date:	10/20/2015 0042			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
PCB-1016		0.34	J	0.089	0.45
PCB-1221		ND		0.089	0.45
PCB-1232		ND		0.089	0.45
PCB-1242		ND		0.089	0.45
PCB-1248		ND		0.089	0.45
PCB-1254		5.9		0.21	0.45
PCB-1260		1.2		0.21	0.45

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	90		60 - 154
DCB Decachlorobiphenyl	100		65 - 174

Analytical Data

Client: AECOM Technical Services Inc.

Job Number: 480-89523-1

Client Sample ID: CS-149 (SIDEWALL 0.5)

Lab Sample ID: 480-89523-1

Date Sampled: 10/21/2015 1005

Client Matrix: Solid

% Moisture: 9.8

Date Received: 10/21/2015 1100

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method: 8082A

Analysis Batch: 480-270199

Instrument ID: HP5890-12

Prep Method: 3550C

Prep Batch: 480-270007

Initial Weight/Volume: +2.16 g

Dilution: 1.0

Final Weight/Volume: 10 mL

Analysis Date: 10/21/2015 2213

Injection Volume: 1 µL

Prep Date: 10/21/2015 1112

Result Type: PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
PCB-1016		ND		0.050	0.26
PCB-1221		ND		0.050	0.26
PCB-1232		ND		0.050	0.26
PCB-1242		ND		0.050	0.26
PCB-1248		ND		0.050	0.26
PCB-1254		0.41		0.12	0.26
PCB-1260		ND		0.12	0.26

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	105		60 - 154
DCB Decachlorobiphenyl	102		65 - 174

Analytical Data

Client: AECOM Technical Services Inc.

Job Number: 480-87764-1

Client Sample ID: 20190923-RB-1

Lab Sample ID: 480-87764-18

Date Sampled: 09/23/2015 1345

Client Matrix: Water

Date Received: 09/23/2015 1440

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	480-265530	Instrument ID:	HP5890-12
Prep Method:	3510C	Prep Batch:	480-265375	Initial Weight/Volume:	260.9 mL
Dilution:	1.0			Final Weight/Volume:	2 mL
Analysis Date:	09/25/2015 1312			Injection Volume:	1 µL
Prep Date:	09/24/2015 1502			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
PCB-1016	ND		0.17	0.48
PCB-1221	ND		0.17	0.48
PCB-1232	ND		0.17	0.48
PCB-1242	ND		0.17	0.48
PCB-1248	ND		0.17	0.48
PCB-1254	ND		0.24	0.48
PCB-1260	ND		0.24	0.48

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	75		24 - 137
DCB Decachlorobiphenyl	52		19 - 125

Analytical Data

Client: AECOM Technical Services Inc.

Job Number: 480-88489-1

Client Sample ID: 20151006-RB-1

Lab Sample ID: 480-88489-7

Date Sampled: 10/06/2015 1340

Client Matrix: Water

Date Received: 10/06/2015 1515

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	480-267715	Instrument ID:	HP5890-12
Prep Method:	3510C	Prep Batch:	480-267605	Initial Weight/Volume:	263.4 mL
Dilution:	1.0			Final Weight/Volume:	2 mL
Analysis Date:	10/08/2015 1652			Injection Volume:	1 uL
Prep Date:	10/08/2015 0837			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
PCB-1016	ND		0.17	0.47
PCB-1221	ND		0.17	0.47
PCB-1232	ND		0.17	0.47
PCB-1242	ND		0.17	0.47
PCB-1248	ND		0.17	0.47
PCB-1254	ND		0.24	0.47
PCB-1260	ND		0.24	0.47

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	91		24 - 137
DCB Decachlorobiphenyl	57		19 - 125

Analytical Data

Client: AECOM Technical Services Inc.

Job Number: 480-89242-1

Client Sample ID: 20151015-RB-1

Lab Sample ID: 480-89242-8

Date Sampled: 10/15/2015 1720

Client Matrix: Water

Date Received: 10/15/2015 1750

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	480-269315	Instrument ID:	HP6890-7
Prep Method:	3510C	Prep Batch:	480-269166	Initial Weight/Volume:	254.9 mL
Dilution:	1.0			Final Weight/Volume:	2 mL
Analysis Date:	10/17/2015 0318			Injection Volume:	1 uL
Prep Date:	10/16/2015 0843			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
PCB-1016	ND		0.17	0.49
PCB-1221	ND		0.17	0.49
PCB-1232	ND		0.17	0.49
PCB-1242	ND		0.17	0.49
PCB-1248	ND		0.17	0.49
PCB-1254	ND		0.25	0.49
PCB-1260	ND		0.25	0.49

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	75		24 - 137
DCB Decachlorobiphenyl	48		19 - 125

ATTACHMENT B

SUPPORT DOCUMENTATION

DKP

CHAIN OF CUSTODY RECORD

PROJECT NO.

SITE NAME

GE TONAWANDA

SAMPLERS (PRINT/SIGNATURE)

Bryan Boyd

[Signature]

DELIVERY SERVICE:

Drop off

AIRBILL NO.:

LOCATION IDENTIFIER

DATE

TIME

COMPI GRAB

SAMPLE ID

MATRIX

TOTAL NO. OF CONTAINERS

4029455

No Pressure

Total Regs

B082

AECOM

LAB TEST AMERICA

COOLER 1 of 1

PAGE 1 of 1

REMARKS

SAMPLE TYPE

N 0.5 0.5

N 1.0 1.0

FIELD LOT NO. #

DEPTH (IN FEET)

BEGINNING

DEPTH (IN FEET)

ENDING

(RPMs ONLY)



480-85924 Chain of Custody

WATERING
EQUIPMENTAA - AMBIENT AIR
SE - SEDIMENT
SH - HAZARDOUS SOLID WASTESL - SLUDGE
WP - DRINKING WATER
WW - WASTE WATERWG - GROUND WATER
SO - SOIL
DC - DRILL CUTTINGSWL - LEACHATE
CS - SOIL GAS
WC - DRILLING WATERWO - OCEAN WATER
WS - SURFACE WATER
WQ - WATER FIELD QCLH - HAZARDOUS LIQUID WASTE
LF - FLOATING/FREE PRODUCT ON GW TABLESAMPLE
TYPE CODESTB# - TRIP BLANK
SD# - MATRIX SPIKE DUPLICATERB# - RINSE BLANK
FR# - FIELD REPLICATEN# - NORMAL ENVIRONMENTAL SAMPLE
MS# - MATRIX SPIKEN# - NORMAL ENVIRONMENTAL SAMPLE
MS# - MATRIX SPIKEN# - NORMAL ENVIRONMENTAL SAMPLE
MS# - MATRIX SPIKEN# - NORMAL ENVIRONMENTAL SAMPLE
MS# - MATRIX SPIKEN# - NORMAL ENVIRONMENTAL SAMPLE
MS# - MATRIX SPIKEN# - NORMAL ENVIRONMENTAL SAMPLE
MS# - MATRIX SPIKEN# - NORMAL ENVIRONMENTAL SAMPLE
MS# - MATRIX SPIKEN# - NORMAL ENVIRONMENTAL SAMPLE
MS# - MATRIX SPIKE

RELINQUISHED BY (SIGNATURE)

DATE

TIME

RECEIVED BY (SIGNATURE)

DATE

TIME

SPECIAL INSTRUCTIONS

24 hr. T.A.T.!

Melissa Deyo Lab PM

#13.6

Distribution: Original accompanies shipment, copy to coordinator field files

Job Narrative
480-85924-1

Revision I

This report was revised to correct the sample received date.

Receipt

The samples were received on 8/20/2015 10:17 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 3.6° C.

GC Semi VOA

Method(s) 8082A: All primary data is reported from the ZB-5 column.

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.

DKP

CHAIN OF CUSTODY RECORD

PROJECT NO.

SITE NAME

GE TONAWANDA

SAMPLERS (PRINT/SIGNATURE)

John Boyd

[Signature]

DELIVERY SERVICE:

[Signature]

AIRBILL NO.:

LOCATION IDENTIFIER

DATE

TIME

COMPI/GRAB

SAMPLE ID

MATRIX

8/21/15

1238

Grab

CS-4 (Signal 0.5)

SO

1

8/21/15

1247

Grab

CS-5 (Bottom 1.0')

SO

1

TOTAL NO. # OF CONTAINERS

402 g/lms
NO PRESENCE

TOTAL PCBs
8082

LAB

FEI America

COOLER

1 of 1

PAGE

1 of 1

AECOM

REMARKS

BEGINNING DEPTH (IN FEET)
ENDING DEPTH (IN FEET)
FIELD LOT NO. #
(RPMs ONLY)

N 0.50.5 -

N 1.0 1.0 -



480-86064 Chain of Custody

LI - HAZARDOUS LIQUID WASTE
LF - FLOATING/FREE PRODUCT ON GW TABLE

WO - OCEAN WATER
WS - SURFACE WATER
WQ - WATER FIELD QC

WL - LEACHATE
GS - SOIL GAS
WC - DRILLING WATER

WG - GROUND WATER
SO - SOIL
DC - DRILL CUTTINGS

SL - SLUDGE
WP - DRINKING WATER
WW - WASTE WATER

AA - AMBIENT AIR
SE - SEDIMENT
SH - HAZARDOUS SOLID WASTE

TA - TRIP BLANK
SC - MATRIX SPIKE DUPLICATE

RB - RINSE BLANK
FR - FIELD REPLICATE

N# - NORMAL ENVIRONMENTAL SAMPLE
MS# - MATRIX SPIKE

(# - SEQUENTIAL NUMBER (FROM 1 TO 9) TO ACCOMMODATE MULTIPLE SAMPLES IN A SINGLE DAY)

RELINQUISHED BY (SIGNATURE)

DATE

TIME

RECEIVED BY (SIGNATURE)

DATE

TIME

SPECIAL INSTRUCTIONS

Asp COT-B. deliv. to lab
Melissa Devo Lab PM

RELINQUISHED BY (SIGNATURE)

DATE

TIME

RECEIVED FOR LAB BY (SIGNATURE)

DATE

TIME

Distribution: Original accompanies shipment, copy to coordinator field files

5 DAY TAT. Temp 51.0#1

Job Narrative
480-86064-1

Receipt

The samples were received on 8/21/2015 6:06 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 5.0° C.

GC Semi VOA

Method(s) 8082A: All primary data is reported from the ZB-5 column.

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.

480-86458-1

CHAIN OF CUSTODY RECORD

PROJECT NO.

SITE NAME

GE TONAWANDA

SAMPLERS (PRINT/SIGNATURE)

Tom Urban/Tom Urban

DELIVERY SERVICE:

Drop off

AIRBILL NO.:

TOTAL NO. # OF CONTAINERS

MATRIX

SAMPLE ID

COMP/GRAB

TIME

DATE

9/1/15 1411 6246 CS-31(Bottom 1.0') SO 1

9/1/15 1414 6246 CS-32(Endenall 0.5') SO 1

4 OZ 9/1/15 no person

TOTAL 1265 9/1/15

AECOM

LAB TEST America

COOLER 1 of 1

PAGE 1 of 1

REMARKS

SAMPLE TYPE
BEGINNING DEPTH (IN FEET)
ENDING DEPTH (IN FEET)
FIELD LOT NO. # (RPMIS ONLY)

N 1.0 1.0

N 0.5 0.5



480-86458 Chain of Custody

LI - HAZARDOUS LIQUID WASTE
LF - FLOATING/FREE PRODUCT ON GW TABLE
WO - OCEAN WATER
WS - SURFACE WATER
WQ - WATER FIELD QC

WL - LEACHATE
GS - SOIL GAS
WC - DRILLING WATER

WG - GROUND WATER
SO - SOIL
DC - DRILL CUTTINGS

SL - SLUDGE
WP - DRINKING WATER
WW - WASTE WATER

AA - AMBIENT AIR
SE - SEDIMENT
SH - HAZARDOUS SOLID WASTE

TB# - TRIP BLANK
SD# - MATRIX SPIKE DUPLICATE

N# - NORMAL ENVIRONMENTAL SAMPLE
MS# - MATRIX SPIKE

(# - SEQUENTIAL NUMBER (FROM 1 TO 9) TO ACCOMMODATE MULTIPLE SAMPLES IN A SINGLE DAY)

RELINQUISHED BY (SIGNATURE)

DATE

RECEIVED BY (SIGNATURE)

DATE

TIME

SPECIAL INSTRUCTIONS

Temp

#1

RELINQUISHED BY (SIGNATURE)

DATE

RECEIVED FOR LAB BY (SIGNATURE)

DATE

TIME

3 day T.A.T.

Melissa Dwyer Lab PM

4/7

Distribution: Original accompanies shipment, copy to coordinator field files

Job Narrative
480-86458-1

Receipt

The samples were received on 9/1/2015 5:02 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 4.7° C.

GC Semi VOA

Method(s) 8082A: The following sample was diluted due to the abundance of target analytes: CS-32 (SIDEWALL 0.5') (480-86458-2). Elevated reporting limits (RLs) are provided.

Method(s) 8082A: All primary data is reported from the ZB-5 column.

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.

CHAIN OF CUSTODY RECORD

PROJECT NO.

SITE NAME

GE TONAWANDA

SAMPLERS (PRINT/SIGNATURE)

John Boyd *John Boyd*

DELIVERY SERVICE: *Day 9/6*

AIRBILL NO.:

AECOM

LAB *TEST America*

COOLER *1* of *1*

PAGE *1* of *1*

LOCATION IDENTIFIER	DATE	TIME	COMP/GRAB	SAMPLE ID	MATRIX	TOTAL NO. # OF CONTAINERS
	9/9/15	0940	6446	CS-40 (Bottom 1.0')	SO	1
		0951		CS-41 (Bottom 1.0')		1
		1000		CS-42 (Bottom 1.0')		1
		1153		CS-43 (Surface 0.5')		1
		1157		CS-44 (Surface 0.5')		1
		1702		CS-45 (Surface 0.5')		1

REMARKS	SAMPLE TYPE	BEGINNING DEPTH (IN FEET)	ENDING DEPTH (IN FEET)	FIELD LOT NO. # (RPI/MS ONLY)
	N	1	1	-
	N	1	1	-
	N	1	1	-
	N	0.5	0.5	-
	N	0.5	0.5	-
	N	0.5	0.5	-



480-86924 Chain of Custody

AA - AMBIENT AIR SE - SEDIMENT SH - HAZARDOUS SOLID WASTE	SL - SLUDGE WP - DRINKING WATER WW - WASTE WATER	WG - GROUND WATER SO - SOIL DO - DRILL CUTTINGS	WL - LEACHATE GS - SOIL GAS WC - DRILLING WATER	WO - OCEAN WATER WS - SURFACE WATER WQ - WATER FIELD QC	LH - HAZARDOUS LIQUID WASTE LF - FLOATING/FREE PRODUCT ON GW TABLE
TS# - TRIP BLANK SD# - MATRIX SPIKE DUPLICATE	RB# - RINSE BLANK FR# - FIELD REPLICATE	N# - NORMAL ENVIRONMENTAL SAMPLE MS# - MATRIX SPIKE			

RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED BY (SIGNATURE)	DATE	TIME
<i>John Boyd</i>	9/9/15	1345	<i>John Boyd</i>	9/9/15	1345
RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED FOR LAB BY (SIGNATURE)	DATE	TIME

SPECIAL INSTRUCTIONS

*3 Day T.A.T.
Anelissa Depo Lab PM
ASP CAT B. Deliverable*

Distribution: Original accompanies shipment, copy to coordinator field files

3.4

Job Narrative
480-86924-1

Receipt

The samples were received on 9/9/2015 1:45 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 3.4° C.

GC Semi VOA

Method(s) 8082A: All primary data is reported from the ZB-5 column.

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.

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-86924-1
 SDG No.: _____
 Client Sample ID: CS-44 (SIDEWALL 0.5') Lab Sample ID: 480-86924-5
 Instrument ID (1): HP6890-7 Instrument ID (2): HP6890-7
 Date Analyzed (1): 09/10/2015 18:34 Date Analyzed (2): 09/10/2015 18:34
 GC Column (1): ZB-5 ID: 0.53 (mm) GC Column (2): ZB-35 ID: 0.53 (mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
PCB-1260	1	2	4.93	4.90	4.96	0.144	0.12	13.1
		4	5.71	5.68	5.74	0.125		
	2	2	4.61	4.58	4.64	0.253	0.13	

CHAIN OF CUSTODY RECORD

PROJECT NO.

SITE NAME

GE Tonawanda

SAMPLERS (PRINT/SIGNATURE)

Tom Urban/Tom Urban

DELIVERY SERVICE: Drop off AIRBILL NO.: N/A

LOCATION IDENTIFIER	DATE	TIME	COMP/GRAB	SAMPLE ID	MATRIX
	9/10/15	1120	Grab	CS-31A (Bottom 1.5')	SO
	9/10/15	1125	Grab	CS-47 (Sideval 10.5')	SO
	9/10/15	1130	Grab	CS-46 (Sideval 10.5')	SO
	9/10/15	1135	Grab	CS-51 (Bottom 1.0')	SO
	9/10/15	1140	Grab	CS-50 (Bottom 1.0')	SO
	9/10/15	1145	Grab	CS-48 (Sideval 11.0')	SO
	9/10/15	1150	Grab	CS-49 (Sideval 11.0')	SO

TOTAL NO. # OF CONTAINERS

402 Glass

Total PCBs 8082A

AECOM

LAB Test America

COOLER 1 of 1

PAGE 1 of 1

REMARKS

3 DAY TAT N, 1.5 1.5 -
3 DAY TAT N, 0.5 0.5 -
3 DAY TAT N, 0.5 0.5 -
3 DAY TAT N, 1.0 1.0 -
24 hr TAT N, 1.0 1.0 -
24 hr TAT N, 1.0 1.0 -
24 hr TAT N, 1.0 1.0 -



480-87000 Chain of Custody

WO - OCEAN WATER
WS - SURFACE WATER
WQ - WATER FIELD QC

WL - LEACHATE
GS - SOIL GAS
WC - DRILLING WATER

WG - GROUND WATER
SO - SOIL
DC - DRILL CUTTINGS

SL - SLUDGE
WP - DRINKING WATER
WW - WASTE WATER

AA - AMBIENT AIR
SE - SEDIMENT
SH - HAZARDOUS SOLID WASTE

RB# - RINSE BLANK
FR# - FIELD REPLICATE
N# - NORMAL ENVIRONMENTAL SAMPLE
MS# - MATRIX SPIKE

TA# - TRIP BLANK
SD# - MATRIX SPIKE DUPLICATE

(# - SEQUENTIAL NUMBER (FROM 1 TO 9) TO ACCOMMODATE MULTIPLE SAMPLES IN A SINGLE DAY)

RELINQUISHED BY (SIGNATURE)

DATE

TIME

RECEIVED BY (SIGNATURE)

DATE

TIME

SPECIAL INSTRUCTIONS

Melissa Deyo Lab PM

RELINQUISHED BY (SIGNATURE)

DATE

RECEIVED FOR LAB BY (SIGNATURE)

DATE

TIME

Distribution: Original accompanies shipment, copy to coordinator field files

39 #1

Job Narrative
480-87000-1

Receipt

The samples were received on 9/10/2015 2:28 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 3.9° C.

GC Semi VOA

Method(s) 8082A: All primary data is reported from the ZB-5 column.

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.

Job Narrative
480-87764-1

Receipt

The samples were received on 9/23/2015 2:40 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.6° C.

GC Semi VOA

Method(s) 8082A: All primary data for water analysis is reported from the ZB-35 column, while all primary data for soil analysis is reported from the ZB-5 column..

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

Organic Prep

Method(s) 3510C: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with analytical batch 480-265375.

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

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Buffalo

Job No.: 480-87764-1

SDG No.: _____

Client Sample ID: CS-61 (SIDEWALL 0.5)

Lab Sample ID: 480-87764-13

Instrument ID (1): HP6890-7

Instrument ID (2): HP6890-7

Date Analyzed (1): 09/24/2015 17:02

Date Analyzed (2): 09/24/2015 17:02

GC Column (1): ZB-5

ID: 0.53 (mm)

GC Column (2): ZB-35

ID: 0.53 (mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
PCB-1221	1	1	1.64	1.61	1.67	0.0966	0.068	102.7
		4	2.35	2.34	2.40	0.0970		
	2	1	1.45	1.41	1.47	0.563	0.21	
PCB-1254	1	2	4.33	4.30	4.36	0.148	0.34	14.1
		3	4.53	4.50	4.56	0.375		
		4	4.93	4.90	4.96	0.734		
	2	1	3.66	3.63	3.69	0.129	0.39	
		2	4.05	4.02	4.08	0.211		
		3	4.18	4.15	4.21	0.399		
		4	4.61	4.59	4.65	0.822		
PCB-1260	1	1	4.70	4.67	4.73	0.424	0.47	22.9
		2	4.93	4.90	4.96	0.569		
		3	5.46	5.43	5.49	0.363		
		4	5.71	5.68	5.74	0.506		
	2	1	4.29	4.27	4.33	0.522	0.59	
		2	4.61	4.58	4.64	1.03		
		3	5.06	5.03	5.09	0.369		
		4	5.40	5.37	5.43	0.420		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Buffalo

Job No.: 480-87764-1

SDG No.: _____

Client Sample ID: 20150923-FD-1 (CS-61 Sidewalk 0.5) Lab Sample ID: 480-87764-14

Instrument ID (1): HP6890-7 Instrument ID (2): HP6890-7

Date Analyzed (1): 09/24/2015 17:18 Date Analyzed (2): 09/24/2015 17:18

GC Column (1): ZB-5 ID: 0.53 (mm) GC Column (2): ZB-35 ID: 0.53 (mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
PCB-1260	1	1	4.70	4.67	4.73	0.364	0.40	25.9
		2	4.93	4.90	4.96	0.494		
		3	5.46	5.43	5.49	0.300		
		4	5.71	5.68	5.74	0.429		
	2	1	4.30	4.27	4.33	0.449	0.51	
		2	4.61	4.58	4.64	0.917		
		3	5.06	5.03	5.09	0.319		
		4	5.40	5.37	5.43	0.375		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-87764-1
 SDG No.: _____
 Client Sample ID: CS-64 (SIDEWALL 0.5) Lab Sample ID: 480-87764-16
 Instrument ID (1): HP6890-7 Instrument ID (2): HP6890-7
 Date Analyzed (1): 09/24/2015 18:21 Date Analyzed (2): 09/24/2015 18:21
 GC Column (1): ZB-5 ID: 0.53(mm) GC Column (2): ZB-35 ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
PCB-1260	1	1	4.70	4.67	4.73	0.252	0.26	28.3
		2	4.93	4.90	4.96	0.338		
		3	5.46	5.43	5.49	0.202		
		4	5.71	5.68	5.74	0.261		
	2	1	4.30	4.27	4.33	0.301	0.35	
		2	4.61	4.58	4.64	0.611		
		3	5.06	5.03	5.09	0.227		
		4	5.40	5.37	5.43	0.261		

Job Narrative
480-87764-2

Receipt

The samples were received on 9/23/2015 2:40 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.6° C.

GC Semi VOA

Method(s) 8082A: The following samples were diluted to bring the concentration of target analytes within the calibration range: CS-62 (BOTTOM 1.0) (480-87764-9) and CS-65 (BOTTOM 1.0) (480-87764-10). Elevated reporting limits (RLs) are provided.

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.

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Buffalo

Job No.: 480-87764-2

SDG No.: _____

Client Sample ID: CS-63 (BOTTOM 1.0)

Lab Sample ID: 480-87764-15

Instrument ID (1): HP6890-7

Instrument ID (2): HP6890-7

Date Analyzed (1): 09/24/2015 14:07

Date Analyzed (2): 09/24/2015 14:07

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

GC Column (2): ZB-35 ID: 0.53 (mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
PCB-1248	1	1	3.61	3.57	3.63	0.313	0.31	36.0
		2	3.81	3.78	3.84	0.250		
		4	3.99	3.96	4.02	0.377		
	2	1	3.24	3.22	3.28	0.311	0.45	
		2	3.48	3.46	3.52	0.348		
		3	3.53	3.51	3.57	0.527		
		4	3.73	3.71	3.77	0.615		
PCB-1260	1	1	4.70	4.67	4.73	1.35	1.4	21.8
		2	4.93	4.90	4.96	1.63		
		3	5.46	5.43	5.49	1.21		
		4	5.71	5.68	5.74	1.33		
	2	1	4.29	4.27	4.33	1.81	1.7	
		2	4.61	4.58	4.64	2.06		
		3	5.06	5.03	5.09	1.46		
		4	5.40	5.37	5.43	1.53		

CHAIN OF CUSTODY RECORD

PROJECT NO.

SITE NAME

GE TONAWANDA

SAMPLERS (PRINT/SIGNATURE)

John Boyd *John Boyd*

DELIVERY SERVICE: *Drop off*

AIRBILL NO.:

TESTS

TOTAL PCS 8082

BOTTLE TYPE AND PRESERVATIVE

TOTAL NO. OF CONTAINERS 4029 LBS

AECOM

LAB *EST America*

COOLER 1 of 1

PAGE 1 of 1

REMARKS

24 hr TAT

3 day TAT



480-88152 Chain of Custody

LH - HAZARDOUS LIQUID WASTE
LF - FLOATING/FREE PRODUCT ON GW TABLE

WO - OCEAN WATER
WS - SURFACE WATER
WQ - WATER FIELD QC

WL - LEACHATE
GS - SOIL GAS
WC - DRILLING WATER

WG - GROUND WATER
SO - SOIL
DC - DRILL CUTTINGS

SL - SLUDGE
WP - DRINKING WATER
WW - WASTE WATER

AA - AMBIENT AIR
SE - SEDIMENT
SH - HAZARDOUS SOLID WASTE

TB# - TRIP BLANK
SD# - MATRIX SPIKE DUPLICATE

N# - NORMAL ENVIRONMENTAL SAMPLE
MS# - MATRIX SPIKE

(# - SEQUENTIAL NUMBER (FROM 1 TO 9) TO ACCOMMODATE MULTIPLE SAMPLES IN A SINGLE DAY)

SPECIAL INSTRUCTIONS

DATE TIME

RECEIVED BY (SIGNATURE)

DATE TIME

RELINQUISHED BY (SIGNATURE)

Analysis Delay 146 PM - Temp 50.1

DATE TIME

RECEIVED FOR LAB BY (SIGNATURE)

DATE TIME

RELINQUISHED BY (SIGNATURE)

Distribution: Original accompanies shipment, copy to coordinator field files

Job Narrative
480-88152-1

Comments

No additional comments.

Receipt

The samples were received on 9/30/2015 6:00 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 5.0° C.

GC Semi VOA

Method(s) 8082A: All primary data is reported from the ZB-35 column.

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.

Job Narrative
480-88152-2

Receipt

The samples were received on 9/30/2015 6:00 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 5.0° C.

GC Semi VOA

Method(s) 8082A: All primary data is reported from the ZB-35 column.

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.

CHAIN OF CUSTODY RECORD

PROJECT NO. 60442945
 SITE NAME GE Tonawanda
 SAMPLERS (PRINT/SIGNATURE) Tom Urban / Tom Urban

DELIVERY SERVICE: Drop off AIRBILL NO.: N/A

LOCATION IDENTIFIER	DATE	TIME	COMPI/GRAB	SAMPLE ID	MATRIX	TOTAL NO. # OF CONTAINERS
	10/6/15	1055	Grab	CS-1057 (Bottom 1.5)	SO	1
			Grab	20151006-FD-1	SO	1
	1105		Grab	CS-106 (Side wall 10.5)	SO	1
	1105		Grab	CS-106 (Side wall 0.5) MS	SO	1
	1105		Grab	CS-106 (Side wall 10.5) MS	SO	1
	1125		Grab	CS-108 (Side wall 10.5)	SO	1
	1220		Grab	CS-111 (Bottom 1.5)	SO	1
	1225		Grab	CS-112 (Side wall 10.5)	SO	1
	1340		Grab	20151006-RB-1	WQ	2

AA - AMBIENT AIR
 SE - SEDIMENT
 SH - HAZARDOUS SOLID WASTE
 SI - SLUDGE
 WP - DRINKING WATER
 WW - WASTE WATER
 TB# - TRIP BLANK
 SD# - MATRIX SPIKE DUPLICATE
 N# - NORMAL ENVIRONMENTAL SAMPLE
 MS# - MATRIX SPIKE

RELINQUISHED BY (SIGNATURE) Tom Urban DATE 10/6/15 TIME 1515 RECEIVED BY (SIGNATURE) [Signature] DATE 10/6/15 TIME 1515

RELINQUISHED BY (SIGNATURE) Tom Urban DATE 10/6/15 TIME 1515 RECEIVED FOR LAB BY (SIGNATURE) [Signature] DATE 10/6/15 TIME 1515

Distribution: Original accompanies shipment, copy to coordinator field files

AECOM

LAB Test America
 COOLER 1 of 1
 PAGE 1 of 1

REMARKS	SAMPLE TYPE	BEGINNING DEPTH (IN FEET)	ENDING DEPTH (IN FEET)	FIELD LOT NO. # (RPMs ONLY)
3 DAY TAT	N ₁	1.5	1.5	-
	FD ₁	1.5	1.5	-
	N ₁	0.5	0.5	-
	MS ₁	0.5	0.5	-
	SD ₁	0.5	0.5	-
	N ₁	0.5	0.5	-
	N ₁	1.5	1.5	-
	N ₁	0.5	0.5	-
	RB ₁	-	-	-



480-88489 Chain of Custody

WO - OCEAN WATER
 WS - SURFACE WATER
 WQ - WATER FIELD QC
 WL - LEACHATE
 GS - SOIL GAS
 WC - DRILLING WATER

LH - HAZARDOUS LIQUID WASTE
 LF - FLOATING/FREE PRODUCT ON GW TABLE

Sequential Number (From 1 to 9) to Accommodate Multiple Samples in a Single Day)

SPECIAL INSTRUCTIONS

Melissa Devo - lab PM

13.1°C / w/ice / some down #4

Login Sample Receipt Checklist

Client: AECOM Technical Services Inc.

Job Number: 480-88489-1

Login Number: 88489

List Source: TestAmerica Buffalo

List Number: 1

Creator: Kinecki, Kenneth P

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	13.1 C, with ice, same day
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.	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	AECOM
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	N/A	
Chlorine Residual checked.	N/A	

Job Narrative
480-88489-1

Receipt

The samples were received on 10/6/2015 3:15 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 13.1° C.

GC Semi VOA

Method(s) 8082A: All primary data for the water analysis reported from the ZB-35 column, while all primary data for the soil analysis reported from the ZB-5 column.

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

Organic Prep

Method(s) 3510C: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate/sample duplicate (MS/MSD/DUP) associated with 267605.

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

CHAIN OF CUSTODY RECORD

PROJECT NO. 60442945
 SITE NAME GE Tennwade
 SAMPLERS (PRINT/SIGNATURE) Tom Urban/Ten Urban

DELIVERY SERVICE: Drop Off AIRBILL NO.: N/A

LOCATION IDENTIFIER	DATE	TIME	COMP/GRAB	SAMPLE ID	MATRIX	TOTAL NO. # OF CONTAINERS
	10/9/15	1425	Grab	CS-122 (side wall 0.5)	SO	1
	10/9/15	1425	Grab	CS-122 (side wall 0.5) - MS	SO	1
	10/9/15	1425	Grab	CS-122 (side wall 0.5) - MS	SO	1
	10/9/15	1450	Grab	CS-123 (bottom 1.0)	SO	1
	10/9/15	1455	Grab	CS-124 (side wall 0.5)	SO	1
	10/9/15	1500	Grab	CS-125 (side wall 0.5)	SO	1
	10/9/15	1510	Grab	CS-126 (side wall 0.5)	SO	1

AA - AMBIENT AIR
 SE - SEDIMENT
 SH - HAZARDOUS SOLID WASTE
 TB# - TRIP BLANK
 SD# - MATRIX SPIKE DUPLICATE
 SL - SLUDGE
 WP - DRINKING WATER
 WW - WASTE WATER
 RB# - RINSE BLANK
 FR# - FIELD REPLICATE
 WG - GROUND WATER
 SO - SOIL
 DC - DRILL CUTTINGS
 N# - NORMAL ENVIRONMENTAL SAMPLE
 MS# - MATRIX SPIKE

RELINQUISHED BY (SIGNATURE) Ten Urban DATE 10/9/15 TIME 1050
 RECEIVED BY (SIGNATURE) [Signature] DATE 10/9/15 TIME 1650
 RELINQUISHED BY (SIGNATURE) _____ DATE _____ TIME _____
 RECEIVED FOR LAB BY (SIGNATURE) _____ DATE _____ TIME _____

Distribution: Original accompanies shipment, copy to coordinator field files

AECOM

LAB Test America
 COOLER 1 of 1
 PAGE 1 of 1

BOTTLE TYPE AND PRESERVATIVE

4oz glass vials

REMARKS

3 DAY TAT

MS, 0.5 0.5

MS, 0.5 0.5

MS, 0.5 0.5

MS, 1.0 1.0

MS, 0.5 0.5

MS, 0.5 0.5

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MS, 0.5 0.5



480-88859 Chain of Custody

WO - OCEAN WATER
 WS - SURFACE WATER
 WQ - WATER FIELD QC

WL - LEACHATE
 GS - SOIL GAS
 WC - DRILLING WATER

LH - HAZARDOUS LIQUID WASTE
 LF - FLOATING/FREE PRODUCT ON GW TABLE

SPECIAL INSTRUCTIONS
Melissa Devo - Lab PM
16mp 5.0 #1

(# - SEQUENTIAL NUMBER (FROM 1 TO 9) TO ACCOMMODATE MULTIPLE SAMPLES IN A SINGLE DAY)

RELINQUISHED BY (SIGNATURE) _____ DATE _____ TIME _____

RECEIVED BY (SIGNATURE) _____ DATE _____ TIME _____

RELINQUISHED BY (SIGNATURE) _____ DATE _____ TIME _____

RECEIVED FOR LAB BY (SIGNATURE) _____ DATE _____ TIME _____

Distribution: Original accompanies shipment, copy to coordinator field files

Job Narrative
480-88859-1

Receipt

The samples were received on 10/9/2015 4:50 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 5.0° C.

GC Semi VOA

Method(s) 8082A: All primary data is reported from the ZB-5 column

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.

AICOM

283
411101

SITE NAME
Eatonville

[Signature]

AIRBILL NO.:

TOTAL NO. # CONTAINERS

MATRIX

4023 B-106A SiO2 wall 0.5

1

7-

480-88932 Chain of Custody

REMARKS

SAMPLE TYPE	BEGINNING DEPTH (IN FEET)	ENDING DEPTH (IN FEET)	FIELD LOT NO # (IRIPIMS ONLY)
-------------	------------------------------	---------------------------	----------------------------------

3 day TAT	5050 N
-----------	--------

WO - OCEAN WATER
WS - SURFACE WATER

LH - HAZARDOUS LIQUID WASTE
LF - FLOATING/FREE PRODUCT ON GW TABLE

TEST SAMPLE	(# - SEQ)
1	1
2	2
3	3
4	4
5	5
6	6
7	7
8	8
9	9
10	10
11	11
12	12
13	13
14	14
15	15
16	16
17	17
18	18
19	19
20	20
21	21
22	22
23	23
24	24
25	25
26	26
27	27
28	28
29	29
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31	31
32	32
33	33
34	34
35	35
36	36
37	37
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40	40
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87	87
88	88
89	89
90	90
91	91
92	92
93	93
94	94
95	95
96	96
97	97
98	98
99	99
100	100

(# - SEQUENTIAL NUMBER (FROM 1 TO 9) T

(# - SEQUENTIAL NUMBER (FROM 1 TO 9) TO ACCOMMODATE MULTIPLE SAMPLES IN A SINGLE DAY)

DATE _____

DATE	TIME
------	------

SPECIAL INSTRUCTIONS

SPECIAL INSTRUCTIONS

DATE 1/20/08

DATE	TIME
------	------

~~Heidi~~ Melissa L

Walter Melissa Devo 045 1 PL

Distribution: Original accompanies shipment, copy to coordinator field files

031#

Job Narrative
480-88932-1

Receipt

The sample was received on 10/12/2015 6:15 PM; the sample arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 0.3° C.

GC Semi VOA

Method(s) 8082A: All primary data is reported from the ZB-35 column.

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.

CHAIN OF CUSTODY RECORD

PROJECT NO.

60442945

SITE NAME

GE Tonawanda

SAMPLERS (PRINT/SIGNATURE)

Ton Urban/Ton Urban

DELIVERY SERVICE:

Drop off

AIRBILL NO.:

N/A

LOCATION IDENTIFIER

DATE

TIME

COMPI/GRAB

SAMPLE ID

MATRIX

TOTAL NO. # OF CONTAINERS

402 Glass cups

REMARKS

SAMPLE TYPE

DEPTH (IN FEET)

ENDING DEPTH (IN FEET)

FIELD LOT NO. # (RIFMS ONLY)

AECOM

LAB Test America

COOLER 1 of 1

PAGE 1 of 1

480-88991 Chain of Custody

LH - HAZARDOUS LIQUID WASTE
LF - FLOATING/FREE PRODUCT ON GW TABLE

RR# - RINSE BLANK
FR# - FIELD REPLICATE

NR# - NORMAL ENVIRONMENTAL SAMPLE
MS# - MATRIX SPIKE

(# - SEQUENTIAL NUMBER (FROM 1 TO 9) TO ACCOMMODATE MULTIPLE SAMPLES IN A SINGLE DAY)

RECEIVED BY (SIGNATURE)

DATE TIME

RELINQUISHED BY (SIGNATURE)

DATE TIME

RELINQUISHED BY (SIGNATURE)

DATE TIME

SPECIAL INSTRUCTIONS

Melissa Deyo - lab PM

Temp 37.7

Distribution: Original accompanies shipment, copy to coordinator field files

Job Narrative
480-88991-1

Receipt

The samples were received on 10/13/2015 3:55 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 3.7° C.

GC Semi VOA

Method(s) 8082A: All primary data is reported from the ZB-5 column.

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.

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Buffalo

Job No.: 480-88991-1

SDG No.: _____

Client Sample ID: CS-136 (SIDEWALL 0.5)

Lab Sample ID: 480-88991-6

Instrument ID (1): HP6890-7

Instrument ID (2): HP6890-7

Date Analyzed (1): 10/14/2015 18:09

Date Analyzed (2): 10/14/2015 18:09

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

GC Column (2): ZB-35 ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
PCB-1016	1	1	3.02	2.99	3.05	0.255	0.49	34.9
		2	3.17	3.14	3.20	0.255		
		4	3.57	3.54	3.60	0.953		
	2	1	2.41	2.38	2.44	0.313	0.34	
		2	2.57	2.54	2.60	0.365		
		3	2.72	2.69	2.75	0.336		
		4	2.83	2.80	2.86	0.357		
PCB-1254	1	1	3.99	3.96	4.02	3.73	3.8	23.1
		2	4.29	4.26	4.32	3.97		
		3	4.49	4.46	4.52	3.58		
		4	4.89	4.86	4.92	3.83		
	2	1	3.62	3.59	3.65	4.92	4.8	
		2	4.01	3.97	4.03	5.01		
		3	4.14	4.11	4.17	4.63		
		4	4.57	4.54	4.60	4.47		
PCB-1260	1	1	4.66	4.63	4.69	1.53	0.84	30.7
		3	5.41	5.38	5.44	0.427		
		4	5.66	5.63	5.69	0.556		
	2	1	4.26	4.22	4.28	2.25	1.1	
		3	5.02	4.99	5.05	0.587		
		4	5.36	5.33	5.39	0.586		

Job Narrative
480-88991-2

Receipt

The samples were received on 10/13/2015 3:55 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 3.7° C.

GC Semi VOA

Method(s) 8082A: EPA Method 8082A requires a minimum of 3 peaks to be used for PCB quantitation. Due to the presence of multiple aroclors in the following sample, only 2 peaks were used for quantitation of PCB-1016: CS-132 (SIDEWALL 0.5) (480-88991-3).

Method(s) 8082A: All primary data is reported from the ZB-5 column.

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.

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Buffalo

Job No.: 480-88991-2

SDG No.: _____

Client Sample ID: CS-132 (SIDEWALL 0.5)

Lab Sample ID: 480-88991-3

Instrument ID (1): HP6890-7

Instrument ID (2): HP6890-7

Date Analyzed (1): 10/14/2015 14:26

Date Analyzed (2): 10/14/2015 14:26

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

GC Column (2): ZB-35 ID: 0.53 (mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
PCB-1016	1	1	3.02	2.99	3.05	0.163	0.17	29.2
		2	3.17	3.14	3.20	0.172		
	2	1	2.40	2.37	2.43	0.223	0.22	
		2	2.57	2.54	2.60	0.310		
		3	2.72	2.69	2.75	0.183		
PCB-1254	1	4	2.83	2.80	2.86	0.182	2.4	26.1
		1	3.98	3.96	4.02	2.55		
		2	4.29	4.26	4.32	2.47		
		3	4.48	4.46	4.52	2.12		
	2	4	4.89	4.86	4.92	2.40	3.1	
		1	3.61	3.59	3.65	3.50		
		2	4.00	3.97	4.03	3.18		
		3	4.14	4.11	4.17	2.81		
PCB-1260	1	4	4.57	4.54	4.60	2.90	0.54	38.0
		1	4.66	4.63	4.69	1.02		
		3	5.41	5.38	5.44	0.262		
	2	4	5.66	5.63	5.69	0.355	0.80	
		1	4.25	4.22	4.28	1.61		
		3	5.02	4.99	5.05	0.390		
		4	5.35	5.32	5.38	0.402		

Job Narrative
480-89056-1

Receipt

The sample was received on 10/14/2015 11:55 AM; the sample arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 3.1° C.

GC Semi VOA

Method(s) 8082A: All primary data is reported from the ZB-35 column.

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.



480-89242 Chain of Custody

CHAIN OF CUSTODY RECORD

PROJECT NO.

SITE NAME

GE TONIA WANDA

SAMPLERS (PRINT/SIGNATURE)

John Boyd *[Signature]*

DELIVERY SERVICE:

AIRBILL NO.:

Drop off

LAB TEST ANEKA

COOLER 1 of 1

PAGE 1 of 1

LOCATION IDENTIFIER	DATE	TIME	COMP/GRAB	SAMPLE ID	MATRIX	TOTAL NO. # OF CONTAINERS
	10/15/15	1230	GRAB	CS-141 (SIDEWALK 05)	SO	1
		1530		CS-142 (SIDEWALK 05)		1
		1540		CS-143 (SIDEWALK 05)		1
		1550		CS-144 (Bottom 1.0)		1
		1600		CS-145 (SIDEWALK 05)		1
		1600		CS-145 (SIDEWALK 05) MS		1
		1600		CS-145 (SIDEWALK 05) MS		1
		1630		CS-147 (SIDEWALK 05)		1
				20151015-FD-1		1
				20151015-RB-1	WB 2	2

402 g/lbs
298 ml
Mush

(TOTAL Pkg)
8082A
10/14/15
8082A

REMARKS	SAMPLE TYPE	BEGINNING DEPTH (IN FEET)	ENDING DEPTH (IN FEET)	FIELD LOT NO. # (RPMs ONLY)
24 hr.	N	0.5	0.5	-
TAT	N	0.5	0.5	-
	N	0.5	0.5	-
	N	1.0	1.0	-
	N	0.5	0.5	-
	MS	0.5	0.5	-
	SD	0.5	0.5	-
	N	0.5	0.5	-
	PD	-	-	-
	RB	-	-	-

MATRIX CODES	AA - AMBIENT AIR	SE - SEDIMENT	SH - HAZARDOUS SOLID WASTE	SL - SLUDGE	WF - DRINKING WATER	WW - WASTE WATER	WG - GROUND WATER	SO - SOIL	DC - DRILL CUTTINGS	WL - LEACHATE	GS - SOIL GAS	WG - DRILLING WATER	WS - SURFACE WATER	WO - OCEAN WATER	LH - HAZARDOUS LIQUID WASTE	LF - FLOATING/FREE PRODUCT ON GW TABLE
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SAMPLE TYPE CODES	TB# - TRIP BLANK	SD# - MATRIX SPIKE DUPLICATE	RB# - RINSE BLANK	FR# - FIELD REPLICATE	N# - NORMAL ENVIRONMENTAL SAMPLE	MS# - MATRIX SPIKE
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RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED BY (SIGNATURE)	DATE	TIME	SPECIAL INSTRUCTIONS
<i>[Signature]</i>	10/15/15	1730	<i>[Signature]</i>	10/15/15	1730	Melissa DeYO Lab PM
RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED FOR LAB BY (SIGNATURE)	DATE	TIME	
<i>[Signature]</i>						All samples 24 hr. TAT

Distribution: Original accompanies shipment, copy to coordinator field files

3.041

Job Narrative
480-89242-1

Receipt

The samples were received on 10/15/2015 5:50 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 3.0° C.

GC Semi VOA

Method(s) 8082A: EPA Method 8082A requires a minimum of 3 peaks to be used for PCB quantitation. Due to the presence of multiple aroclors in the following sample, only 2 peaks were used for quantitation of PCB-1016: CS-142 (SIDEWALL 0.5) (480-89242-2).

Method(s) 8082A: All primary data is reported from the ZB-35 column.

1/14/16 RC

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

Organic Prep

Method(s) 3510C: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with analytical batch 480-269166.

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

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-89242-1
 SDG No.: _____
 Client Sample ID: CS-142 (SIDEWALL 0.5) Lab Sample ID: 480-89242-2
 Instrument ID (1): HP6890-7 Instrument ID (2): HP6890-7
 Date Analyzed (1): 10/16/2015 15:08 Date Analyzed (2): 10/16/2015 15:08
 GC Column (1): ZB-5 ID: 0.53(mm) GC Column (2): ZB-35 ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
PCB-1016	1	1	3.02	2.99	3.05	0.124	0.13	18.1
		2	3.17	3.14	3.20	0.135		
	2	1	2.40	2.37	2.43	0.188	0.16	
		2	2.57	2.53	2.59	0.137		
		3	2.71	2.68	2.74	0.161		
	4	2.83	2.80	2.86	0.135			
PCB-1254	1	1	3.99	3.96	4.02	3.21	3.4	29.4
		2	4.29	4.26	4.32	3.54		
		3	4.49	4.46	4.52	3.14		
		4	4.89	4.86	4.92	3.61		
	2	1	3.61	3.59	3.65	4.53	4.5	
		2	4.00	3.97	4.03	4.83		
		3	4.14	4.11	4.17	4.34		
		4	4.57	4.54	4.60	4.46		
PCB-1260	1	1	4.66	4.63	4.69	1.44	0.79	35.6
		3	5.41	5.38	5.44	0.409		
		4	5.66	5.63	5.69	0.527		
	2	1	4.25	4.22	4.28	2.22	1.1	
		3	5.02	4.99	5.05	0.596		
	4	5.35	5.32	5.38	0.582			

CHAIN OF CUSTODY RECORD

PROJECT NO.

60442 915

SITE NAME

GE-Tammara

SAMPLERS (PRINT/SIGNATURE)

Karen Papp / PH

DELIVERY SERVICE: Deep off

AIRBILL NO.:

LOCATION IDENTIFIER

DATE

TIME

COMP/GRAB

SAMPLE ID

MATRIX

10/19/15 1642 Lab CS-148(SINCEHLOS) SO

TOTAL NO. # OF CONTAINERS

1

4029425

RCBS 8082A

AECOM

LAB Test America

COOLER 1 of 1

PAGE 1 of 1

REMARKS

24 hr TAT



480-89385 Chain of Custody

AA - AMBIENT AIR
SE - SEDIMENT
SH - HAZARDOUS SOLID WASTE

SL - SLUDGE
WP - DRINKING WATER
WW - WASTE WATER

WG - GROUND WATER
SO - SOIL
DC - DRILL CUTTINGS

WL - LEACHATE
GS - SOIL GAS
WC - DRILLING WATER

WO - OCEAN WATER
WS - SURFACE WATER
WQ - WATER FIELD QC

LH - HAZARDOUS LIQUID WASTE
LF - FLOATING/PREF PRODUCT ON GW TABLE

TB# - TRIP BLANK
SD# - MATRIX SPIKE DUPLICATE

RB# - RINSE BLANK
FR# - FIELD REPLICATE

N# - NORMAL ENVIRONMENTAL SAMPLE
MS# - MATRIX SPIKE

(# - SEQUENTIAL NUMBER (FROM 1 TO 9) TO ACCOMMODATE MULTIPLE SAMPLES IN A SINGLE DAY)

RELINQUISHED BY (SIGNATURE)

DATE 10/19/15

RECEIVED BY (SIGNATURE)

DATE 10/19/15

SPECIAL INSTRUCTIONS

RELINQUISHED BY (SIGNATURE)

DATE

RECEIVED FOR LAB BY (SIGNATURE)

DATE

Melissa Devo Lab PM

24 hr TAT

Distribution: Original accompanies shipment, copy to coordinator field files

3.0

Job Narrative
480-89385-1

Receipt

The sample was received on 10/19/2015 5:50 PM; the sample arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 3.0° C.

GC Semi VOA

Method(s) 8082A: The following samples were diluted due to the abundance of target analytes: CS-148 (SIDEWALL 0.5) (480-89385-1), (480-89385-A-1-A MS) and (480-89385-A-1-B MSD). Elevated reporting limits (RLs) are provided.

Method(s) 8082A: All primary data is reported from the ZB-35 column.

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.

CHAIN OF CUSTODY RECORD

PROJECT NO. 60442945
 SITE NAME GE Tonawanda
 SAMPLERS (PRINT/SIGNATURE) Tom Urban / Tom Urban

LAB Test America
 COOLER 1 of 1
 PAGE 1 of 1

AECOM

DELIVERY SERVICE: Drop Off AIRBILL NO.: N/A

LOCATION IDENTIFIER 10/21/15 DATE 1005 TIME 6:03 COMP/GRAB CS-149 (sidewalk 0.5) SAMPLE ID SD MATRIX 1 TOTAL NO. # OF CONTAINERS 402 gals

TESTS 402 gals

BOTTLE TYPE AND PRESERVATIVE 402 gals

REMARKS 24hr TAT N₁ 0.50.5 -



AA - AMBIENT AIR
 SE - SEDIMENT
 SH - HAZARDOUS SOLID WASTE
 TB# - TRIP BLANK
 SD# - MATRIX SPIKE DUPLICATE
 SL - SLUDGE
 WP - DRINKING WATER
 WW - WASTE WATER
 RB# - RINSE BLANK
 FR# - FIELD REPLICATE
 WG - GROUND WATER
 SO - SOIL
 DC - DRILL CUTTINGS
 N# - NORMAL ENVIRONMENTAL SAMPLE
 M5# - MATRIX SPIKE
 WL - LEACHATE
 CS - SOIL GAS
 WC - DRILLING WATER
 WO - OCEAN WATER
 WS - SURFACE WATER
 WQ - WATER FIELD QC
 LH - HAZARDOUS LIQUID WASTE
 LF - FLOATING/FREE PRODUCT ON GW TABLE

RELINQUISHED BY (SIGNATURE) Tom Urban DATE 10/21/15 TIME 4:00
 RELINQUISHED BY (SIGNATURE) Tom Urban DATE 10/21/15 TIME 4:00
 RECEIVED BY (SIGNATURE) [Signature] DATE 10/21/15 TIME 4:00
 RECEIVED FOR LAB BY (SIGNATURE) [Signature] DATE 10/21/15 TIME 4:00

SPECIAL INSTRUCTIONS Net 1552 Deyo - Lab PM

(# - SEQUENTIAL NUMBER (FROM 1 TO 9) TO ACCOMMODATE MULTIPLE SAMPLES IN A SINGLE DAY)

Distribution: Original accompanies shipment, copy to coordinator field files

3.5

Job Narrative
480-89523-1

Receipt

The sample was received on 10/21/2015 11:00 AM; the sample arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 3.5° C.

GC Semi VOA

Method(s) 8082A: All primary data is reported from the ZB-35 column.

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.

DATA USABILITY SUMMARY REPORT
for
GENERAL ELECTRIC PARTS AND REPAIR SERVICE CENTER PROPERTY
CORRECTIVE MEASURES IMPLEMENTATION
AUGUST - OCTOBER 2015

NYSDEC PERMIT ID 9-1464-00044/00001
CORRECTIVE MEASURES IMPLEMENTATION PROGRAM
GENERAL ELECTRIC PARTS AND REPAIR SERVICE CENTER
TONAWANDA, NEW YORK
NYSDEC SITE NO. 915244
EPA ID: NYD067539940

Analyses Performed by:
TESTAMERICA LABORATORIES, INC.
AMHERST, NEW YORK

Prepared for:
GENERAL ELECTRIC INTERNATIONAL, INC.
319 GREAT OAKS BOULEVARD
ALBANY, NEW YORK

Prepared by:
AECOM
257 WEST GENESEE STREET, SUITE 400
BUFFALO, NY 14202-2657

FEBRUARY 2016

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V. NON-CONFORMANCES	3
VI. SAMPLE RESULTS AND REPORTING	3
VII. SUMMARY	4

TABLES (Following Text)

Table 1	Summary of Data Qualifications
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ATTACHMENTS

Attachment A	Validated Form 1s
Attachment B	Support Documentation

I. INTRODUCTION

This Data Usability Summary Report (DUSR) has been prepared by AECOM following the guidelines provided in New York State Department of Environmental Conservation (NYSDEC) Division of Environmental Remediation *DER-10, Technical Guidance for Site Investigation and Remediation, Appendix 2B - Guidance for Data Deliverables and the Development of Data Usability Summary Reports*, May 2010. Discussed in this DUSR are the analytical data for: one hundred two (102) soil samples, three (3) field duplicates (FD), four (4) matrix spike/matrix spike duplicate (MS/MSD) pairs, and six (6) equipment rinsate blanks (RB). The soil samples were collected from the General Electric property between August 20 and October 16, 2015.

The samples were collected by AECOM under NYSDEC Permit Number 9-1464-00044/00001 for the Corrective Measures Implementation Program at the General Electric Parts and Repair Service Center, located in Tonawanda, New York (NYSDEC Site ID Number 915244; EPA ID: NYD067539940), as part of the Confirmation Sampling Program described in the *Corrective Measures Implementation Design Report* (AECOM, January 16, 2015). The samples were sent to TestAmerica Laboratories, Inc., located in Amherst, New York, which is New York State Department of Health (NYSDOH) Environmental Laboratory Approval Program (ELAP) certified.

II. ANALYTICAL METHODOLOGIES AND DATA VALIDATION PROCEDURES

The samples were analyzed for polychlorinated biphenyls (PCBs) in accordance with United States Environmental Protection Agency (USEPA) Method SW8082A.

A limited data validation was performed on the samples following the guidelines in the following USEPA Region II document:

- *Validating PCB Compounds by Gas Chromatography SW-846 Method 8082A*, SOP HW-45, Revision 1, October 2006.

The limited data validation included a review of: completeness of all required deliverables; holding times; quality control (QC) results (i.e., blanks, instrument calibrations, MS/MSD recoveries, duplicate precision, and laboratory control sample recoveries) to determine if the data are within the protocol-required QC limits and specifications; a determination that all samples were analyzed using established and agreed upon analytical protocols; an evaluation of

the raw data to confirm the results provided in the data summary sheets; and a review of laboratory data qualifiers.

Qualifications applied to the data during the limited data validation include 'J' (estimated concentration), 'NJ' (tentatively identified), and 'ND' (non-detect). Definitions of USEPA data qualifiers are presented at the end of this text. A summary of data qualifications is presented on Table 1. Validated Form 1s have been presented in Attachment A. Documentation supporting the qualification of data is presented in Attachment B. Only analytical deviations affecting data usability are discussed in this report.

III. DATA DELIVERABLE COMPLETENESS

Full deliverable data packages (i.e., NYSDEC ASP Category B or equivalent) were provided by the laboratory, and included all reporting forms and raw data necessary to fully evaluate and verify the reported analytical results.

IV. SAMPLE RECEIPT/PRESERVATION/HOLDING TIMES

All samples were received by the laboratory intact, properly preserved, and under proper chain-of-custody (COC), except for the following instances.

For samples collected on 9/28/15, the date of collection was not documented on the COC. The laboratory was able to obtain this information from the sample bottles labels. This non-conformance does not affect the usability of the data.

The sample CS-62A (bottom 1.5') was not documented on its respective COC. However, the laboratory did receive this sample, whereupon they logged in the sample accordingly. This non-conformance does not affect the usability of the data.

The cooler temperatures associated with samples collected on 10/02/15 and 10/06/15 were above the QC limits of $4^{\circ}\text{C} \pm 2^{\circ}\text{C}$ upon receipt at the laboratory (i.e., 16.4°C and 13.1°C , respectively). Since the samples were received at the laboratory on the same day as they were collected, there was not sufficient time for the samples to cool during transit. This non-conformance does not affect the usability of the data.

All samples were analyzed within the required holding times.

V. NON-CONFORMANCES

Dual-Column Precision/PCB Identification

The relative percent difference (RPD) between the dual-column analyses was greater than the USEPA Region II data validation QC limit of 25% for one or more PCBs for several samples. Note, the method QC limit for dual-column precision is 40%, whereupon dual-column results at or above the reporting limit (RL) and with RPDs >40% are qualified 'P' by the laboratory. The detected results for the associated samples exceeding data validation QC limits of 25% were qualified 'J'. Furthermore, when RPDs are >50% and PCB concentrations are less than the RL, then detected results are qualified 'ND' (non-detect) at the RL, in accordance with the data validation guidelines.

If PCB identifications were deemed questionable during the data review on both primary and confirmation columns [i.e., pattern not clearly identifiable (weathered or minimum number of peaks identified) and/or results reported near the method detection limit (MDL)], the detected results were qualified 'NJ' or "ND" using professional judgment. Note, the laboratory's standard operating procedure for PCB identification includes evaluating peak response below the MDL. Due to laboratory software limitations, peak responses below the MDL that are used for PCB quantitation are not included on the Identification Summaries (i.e., Form 10).

All affected sample results requiring data qualification based on the above referenced scenarios are listed on Table 1. Documentation supporting the qualification of the data (i.e., Form 10) is presented in Attachment B.

VI. SAMPLE RESULTS AND REPORTING

All sample results were reported in accordance with method requirements and were adjusted for sample volume, dilution, and moisture content. Results reported below the RL, but greater than the MDL, are qualified 'J' by the laboratory.

Several samples were analyzed at secondary dilutions due to high levels of PCBs and/or matrix interference. The non-detect results are the lowest achievable at the diluted level.

Field Duplicate Samples

Field duplicates were collected on samples CS-37 (Bottom 1.0') [20150909-FD-1], CS-86 (Sidewall 5.0') [20150928-FD-1], and CS-120 (Bottom 1.0') [20151009-FD-1]. Similar concentrations were observed in the samples and their respective field duplicates (i.e., relative

percent difference <50%) indicating good field and analytical precision. Note, USEPA Region II validation guidelines do not require data qualification for field duplicate precision.

VII. SUMMARY

All sample analyses were found to be compliant with the data validation and/or method criteria, except where previously noted. Those results qualified 'ND' (non-detect), 'J' (estimated concentration), 'UJ' (non-detect, estimated quantitation limit), or 'NJ' (tentatively identified) during the data review are considered conditionally usable. All other sample results are usable as reported. Variances from USEPA Region II data validation and/or method criteria were not significant enough to warrant rejection of the data. AECOM does not recommend the re-collection of any samples at this time.

For all other sample results qualified during the data review, the uncertainty is not of sufficient magnitude to change project-specific conclusions reached based on the data. For samples with no PCBs detected, it can be concluded with a high level of certainty that the soil represented by those samples does not contain PCBs greater than or equal to 1 milligram per kilogram (mg/kg).

Prepared By: Peter R. Fairbanks, Senior Chemist

PF

Date: 2/1/16

Reviewed By: George E. Kisluk, Senior Chemist

GK

Date: 2/1/16

DEFINITIONS OF USEPA REGION II DATA QUALIFIERS

- ND** – The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
- J** – The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
- UJ** – The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
- R** – The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.
- D** – The sample results are reported from a secondary dilution.
- NJ** – The analysis indicates the present of an analyte that has been “tentatively identified” and the associated value represents its approximate concentration.

TABLE 1
SUMMARY OF DATA QUALIFICATIONS
GENERAL ELECTRIC PARTS AND REPAIR SERVICE CENTER

SAMPLE ID	FRACTION	ANALYTICAL DEVIATION	QUALIFICATION
CS-65 (Bottom 1.0')	PCB	Dual-column RPD >25% for AR1242.	Qualify detected result 'J'.
CS-62 (Bottom 1.0'), CS-146 (Sidewall 0.5')	PCB	Dual-column RPD >25% for AR1248.	Qualify detected result 'J'.
CS-3 (Sidewall 0.5')	PCB	Dual-column RPD >25% for AR1254.	Qualify detected result 'J'.
CS-65 (Bottom 1.0'), CS-138 (Sidewall 0.5')	PCB	Dual-column RPD >25% for AR1260.	Qualify detected result 'J'.
CS-134 (Sidewall 0.5')	PCB	Minimum number of peaks (3) not identified for AR1242.	Qualify detected result 'ND' at the RL.
CS-103 (Sidewall 5.0')	PCB	AR1016 pattern not clearly identifiable.	Qualify detected result 'NJ'.
CS-6 (Sidewall 0.5'), CS-51 (Bottom 1.0')	PCB	AR1248 pattern not clearly identifiable.	Qualify detected result 'NJ'.
CS-37 (Bottom 1.0'), CS-119A (Bottom 3.0')	PCB	AR1260 pattern not clearly identifiable.	Qualify detected result 'NJ'.

ATTACHMENT A
VALIDATED FORM 1s

Analytical Data

Client: URS Corporation

Job Number: 480-85924-1

Client Sample ID: CS-3(SIDEWALL 0.5)

Lab Sample ID: 480-85924-3

Date Sampled: 08/20/2015 0815

Client Matrix: Solid

% Moisture: 15.1

Date Received: 08/20/2015 1017

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method: 8082A	Analysis Batch: 480-259639	Instrument ID: HP5890-12
Prep Method: 3550C	Prep Batch: 480-259633	Initial Weight/Volume: +2.04 g
Dilution: 1.0		Final Weight/Volume: 10 mL
Analysis Date: 08/20/2015 1502		Injection Volume: 1 uL
Prep Date: 08/20/2015 1051		Result Type: PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
PCB-1016		ND		0.056	0.29
PCB-1221		ND		0.056	0.29
PCB-1232		ND		0.056	0.29
PCB-1242		ND		0.056	0.29
PCB-1248		ND		0.056	0.29
PCB-1254		1.1	J	0.14	0.29
PCB-1260		1.9		0.14	0.29
Surrogate		%Rec	Qualifier	Acceptance Limits	
Tetrachloro-m-xylene		84		60 - 154	
DCB Decachlorobiphenyl		94		65 - 174	

8/24/15
M

Analytical Data

Client: URS Corporation

Job Number: 480-86063-1

Client Sample ID: CS-6 (SIDEWALL 0.5')

Lab Sample ID: 480-86063-1

Date Sampled: 08/21/2015 1255

Client Matrix: Solid

% Moisture: 20.6

Date Received: 08/21/2015 1806

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method: 8082A

Analysis Batch: 480-260115

Instrument ID: HP5890-12

Prep Method: 3550C

Prep Batch: 480-260070

Initial Weight/Volume: 2.28 g

Dilution: 5.0

Final Weight/Volume: 10 mL

Analysis Date: 08/24/2015 1401

Injection Volume: 1 µL

Prep Date: 08/24/2015 0910

Result Type: PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
PCB-1016		ND		0.27	1.4
PCB-1221		ND		0.27	1.4
PCB-1232		ND		0.27	1.4
PCB-1242		ND		0.27	1.4
PCB-1248		1.5	NJ	0.27	1.4
PCB-1254		ND		0.65	1.4
PCB-1260		11	F2 F1	0.65	1.4

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	92		60 - 154
DCB Decachlorobiphenyl	113		65 - 174

7/2/15
m

Analytical Data

Client: AECOM Technical Services Inc.

Job Number: 480-86459-1

Client Sample ID: CS-7 (SIDEWALL 0.5')

Lab Sample ID: 480-86459-1

Date Sampled: 09/01/2015 1230

Client Matrix: Solid

% Moisture: 17.5

Date Received: 09/01/2015 1702

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method: 8082A

Analysis Batch: 480-261681

Instrument ID: HP6890-7

Prep Method: 3550C

Prep Batch: 480-261621

Initial Weight/Volume: +2.11 g

Dilution: 5.0

Final Weight/Volume: 10 mL

Analysis Date: 09/02/2015 1711

Injection Volume: 1 uL

Prep Date: 09/02/2015 1043

Result Type: PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
PCB-1016		ND		0.28	1.4
PCB-1221		ND		0.28	1.4
PCB-1232		ND		0.28	1.4
PCB-1242		ND		0.28	1.4
PCB-1248		ND		0.28	1.4
PCB-1254		20		0.67	1.4
PCB-1260		14		0.67	1.4
Surrogate		%Rec	Qualifier	Acceptance Limits	
Tetrachloro-m-xylene		92		60 - 154	
DCB Decachlorobiphenyl		89		65 - 174	

Analytical Data

Client: AECOM Technical Services Inc.

Job Number: 480-86459-1

Client Sample ID: CS-8 (SIDEWALL 0.5')

Lab Sample ID: 480-86459-2

Date Sampled: 09/01/2015 1232

Client Matrix: Solid

% Moisture: 6.9

Date Received: 09/01/2015 1702

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	480-261681	Instrument ID:	HP6890-7
Prep Method:	3550C	Prep Batch:	480-261621	Initial Weight/Volume:	+2.56 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	09/02/2015 1726			Injection Volume:	1 µL
Prep Date:	09/02/2015 1043			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
PCB-1016		ND		0.041	0.21
PCB-1221		ND		0.041	0.21
PCB-1232		ND		0.041	0.21
PCB-1242		ND		0.041	0.21
PCB-1248		ND		0.041	0.21
PCB-1254		ND		0.098	0.21
PCB-1260		0.19	J	0.098	0.21

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	101		60 - 154
DCB Decachlorobiphenyl	104		65 - 174

Analytical Data

Client: AECOM Technical Services Inc.

Job Number: 480-86459-1

Client Sample ID: CS-9 (SIDEWALL 1.0')

Lab Sample ID: 480-86459-3

Date Sampled: 09/01/2015 1235

Client Matrix: Solid

% Moisture: 17.2

Date Received: 09/01/2015 1702

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method: 8082A

Analysis Batch: 480-261681

Instrument ID: HP6890-7

Prep Method: 3550C

Prep Batch: 480-261621

Initial Weight/Volume: +2.25 g

Dilution: 1.0

Final Weight/Volume: 10 mL

Analysis Date: 09/02/2015 1742

Injection Volume: 1 µL

Prep Date: 09/02/2015 1043

Result Type: PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
PCB-1016		ND		0.053	0.27
PCB-1221		ND		0.053	0.27
PCB-1232		ND		0.053	0.27
PCB-1242		ND		0.053	0.27
PCB-1248		ND		0.053	0.27
PCB-1254		ND		0.13	0.27
PCB-1260		2.4		0.13	0.27

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	102		60 - 154
DCB Decachlorobiphenyl	101		65 - 174

Analytical Data

Client: AECOM Technical Services Inc.

Job Number: 480-87954-1

Client Sample ID: CS-9A (SIDEWALL 2.0)

Lab Sample ID: 480-87954-1

Date Sampled: 09/25/2015 1220

Client Matrix: Solid

% Moisture: 18.3

Date Received: 09/25/2015 1348

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	480-266209	Instrument ID:	HP6890-7
Prep Method:	3550C	Prep Batch:	480-266056	Initial Weight/Volume:	+2.57 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	09/30/2015 1222			Injection Volume:	1 uL
Prep Date:	09/29/2015 1328			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
PCB-1016		ND		0.047	0.24
PCB-1221		ND		0.047	0.24
PCB-1232		ND		0.047	0.24
PCB-1242		ND		0.047	0.24
PCB-1248		ND		0.047	0.24
PCB-1254		ND		0.11	0.24
PCB-1260		ND		0.11	0.24

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	98		60 - 154
DCB Decachlorobiphenyl	97		65 - 174

Analytical Data

Client: AECOM Technical Services Inc.

Job Number: 480-86459-1

Client Sample ID: CS-10 (BOTTOM 1.0')

Lab Sample ID: 480-86459-4

Date Sampled: 09/01/2015 1238

Client Matrix: Solid

% Moisture: 15.1

Date Received: 09/01/2015 1702

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method: 8082A

Analysis Batch: 480-261681

Instrument ID: HP6890-7

Prep Method: 3550C

Prep Batch: 480-261621

Initial Weight/Volume: +2.38 g

Dilution: 1.0

Final Weight/Volume: 10 mL

Analysis Date: 09/02/2015 1758

Injection Volume: 1 µL

Prep Date: 09/02/2015 1043

Result Type: PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
PCB-1016		ND		0.048	0.25
PCB-1221		ND		0.048	0.25
PCB-1232		ND		0.048	0.25
PCB-1242		ND		0.048	0.25
PCB-1248		ND		0.048	0.25
PCB-1254		ND		0.12	0.25
PCB-1260		ND		0.12	0.25
Surrogate		%Rec	Qualifier	Acceptance Limits	
Tetrachloro-m-xylene		101		60 - 154	
DCB Decachlorobiphenyl		100		65 - 174	

Analytical Data

Client: AECOM Technical Services Inc.

Job Number: 480-86459-1

Client Sample ID: CS-11 (BOTTOM 1.0')

Lab Sample ID: 480-86459-5

Date Sampled: 09/01/2015 1240

Client Matrix: Solid

% Moisture: 14.0

Date Received: 09/01/2015 1702

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	480-261681	Instrument ID:	HP6890-7
Prep Method:	3550C	Prep Batch:	480-261621	Initial Weight/Volume:	+2.26 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	09/02/2015 1814			Injection Volume:	1 uL
Prep Date:	09/02/2015 1043			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
PCB-1016		ND		0.050	0.26
PCB-1221		ND		0.050	0.26
PCB-1232		ND		0.050	0.26
PCB-1242		ND		0.050	0.26
PCB-1248		ND		0.050	0.26
PCB-1254		ND		0.12	0.26
PCB-1260		ND		0.12	0.26

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	99		60 - 154
DCB Decachlorobiphenyl	104		65 - 174

Analytical Data

Client: AECOM Technical Services Inc.

Job Number: 480-86459-1

Client Sample ID: CS-12 (BOTTOM 1.0')

Lab Sample ID: 480-86459-6

Date Sampled: 09/01/2015 1243

Client Matrix: Solid

% Moisture: 10.4

Date Received: 09/01/2015 1702

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	480-261681	Instrument ID:	HP6890-7
Prep Method:	3550C	Prep Batch:	480-261621	Initial Weight/Volume:	+2.84 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	09/02/2015 1902			Injection Volume:	1 uL
Prep Date:	09/02/2015 1043			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
PCB-1016		ND		0.038	0.20
PCB-1221		ND		0.038	0.20
PCB-1232		ND		0.038	0.20
PCB-1242		ND		0.038	0.20
PCB-1248		ND		0.038	0.20
PCB-1254		ND		0.092	0.20
PCB-1260		ND		0.092	0.20

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	103		60 - 154
DCB Decachlorobiphenyl	106		65 - 174

Analytical Data

Client: AECOM Technical Services Inc.

Job Number: 480-86459-1

Client Sample ID: CS-13 (BOTTOM 1.0')

Lab Sample ID: 480-86459-7

Date Sampled: 09/01/2015 1245

Client Matrix: Solid

% Moisture: 16.3

Date Received: 09/01/2015 1702

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	480-261681	Instrument ID:	HP6890-7
Prep Method:	3550C	Prep Batch:	480-261621	Initial Weight/Volume:	+2.39 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	09/02/2015 1918			Injection Volume:	1 uL
Prep Date:	09/02/2015 1043			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
PCB-1016		ND		0.049	0.25
PCB-1221		ND		0.049	0.25
PCB-1232		ND		0.049	0.25
PCB-1242		ND		0.049	0.25
PCB-1248		ND		0.049	0.25
PCB-1254		ND		0.12	0.25
PCB-1260		0.12	J	0.12	0.25

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	101		60 - 154
DCB Decachlorobiphenyl	100		65 - 174

Analytical Data

Client: AECOM Technical Services Inc.

Job Number: 480-86459-1

Client Sample ID: CS-14 (BOTTOM 1.0')

Lab Sample ID: 480-86459-8

Date Sampled: 09/01/2015 1247

Client Matrix: Solid

% Moisture: 16.6

Date Received: 09/01/2015 1702

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	480-261681	Instrument ID:	HP6890-7
Prep Method:	3550C	Prep Batch:	480-261621	Initial Weight/Volume:	+2.04 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	09/02/2015 1934			Injection Volume:	1 uL
Prep Date:	09/02/2015 1043			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
PCB-1016		ND		0.057	0.29
PCB-1221		ND		0.057	0.29
PCB-1232		ND		0.057	0.29
PCB-1242		ND		0.057	0.29
PCB-1248		ND		0.057	0.29
PCB-1254		ND		0.14	0.29
PCB-1260		0.18	J	0.14	0.29

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	101		60 - 154
DCB Decachlorobiphenyl	106		65 - 174

Analytical Data

Client: AECOM Technical Services Inc.

Job Number: 480-86459-1

Client Sample ID: CS-15 (BOTTOM 1.0')

Lab Sample ID: 480-86459-9

Date Sampled: 09/01/2015 1253

Client Matrix: Solid

% Moisture: 8.8

Date Received: 09/01/2015 1702

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method: 8082A

Analysis Batch: 480-261681

Instrument ID: HP6890-7

Prep Method: 3550C

Prep Batch: 480-261621

Initial Weight/Volume: +2.30 g

Dilution: 1.0

Final Weight/Volume: 10 mL

Analysis Date: 09/02/2015 1950

Injection Volume: 1 µL

Prep Date: 09/02/2015 1043

Result Type: PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
PCB-1016		ND		0.047	0.24
PCB-1221		ND		0.047	0.24
PCB-1232		ND		0.047	0.24
PCB-1242		ND		0.047	0.24
PCB-1248		ND		0.047	0.24
PCB-1254		ND		0.11	0.24
PCB-1260		ND		0.11	0.24
Surrogate		%Rec	Qualifier	Acceptance Limits	
Tetrachloro-m-xylene		103		60 - 154	
DCB Decachlorobiphenyl		105		65 - 174	

Analytical Data

Client: AECOM Technical Services Inc.

Job Number: 480-86459-1

Client Sample ID: CS-16 (BOTTOM 1.0')

Lab Sample ID: 480-86459-10

Date Sampled: 09/01/2015 1258

Client Matrix: Solid

% Moisture: 10.6

Date Received: 09/01/2015 1702

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method: 8082A

Analysis Batch: 480-261681

Instrument ID: HP6890-7

Prep Method: 3550C

Prep Batch: 480-261621

Initial Weight/Volume: +2.61 g

Dilution: 1.0

Final Weight/Volume: 10 mL

Analysis Date: 09/02/2015 2006

Injection Volume: 1 µL

Prep Date: 09/02/2015 1043

Result Type: PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
PCB-1016		ND		0.042	0.21
PCB-1221		ND		0.042	0.21
PCB-1232		ND		0.042	0.21
PCB-1242		ND		0.042	0.21
PCB-1248		ND		0.042	0.21
PCB-1254		ND		0.10	0.21
PCB-1260		ND		0.10	0.21
Surrogate		%Rec	Qualifier	Acceptance Limits	
Tetrachloro-m-xylene		101		60 - 154	
DCB Decachlorobiphenyl		102		65 - 174	

Analytical Data

Client: AECOM Technical Services Inc.

Job Number: 480-86459-1

Client Sample ID: CS-17 (BOTTOM 1.0')

Lab Sample ID: 480-86459-11

Date Sampled: 09/01/2015 1301

Client Matrix: Solid

% Moisture: 10.2

Date Received: 09/01/2015 1702

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method: 8082A

Analysis Batch: 480-261681

Instrument ID: HP6890-7

Prep Method: 3550C

Prep Batch: 480-261621

Initial Weight/Volume: +2.15 g

Dilution: 1.0

Final Weight/Volume: 10 mL

Analysis Date: 09/02/2015 2021

Injection Volume: 1 µL

Prep Date: 09/02/2015 1043

Result Type: PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
PCB-1016		ND		0.051	0.26
PCB-1221		ND		0.051	0.26
PCB-1232		ND		0.051	0.26
PCB-1242		ND		0.051	0.26
PCB-1248		ND		0.051	0.26
PCB-1254		ND		0.12	0.26
PCB-1260		ND		0.12	0.26

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	104		60 - 154
DCB Decachlorobiphenyl	108		65 - 174

Analytical Data

Client: AECOM Technical Services Inc.

Job Number: 480-86459-1

Client Sample ID: CS-18 (BOTTOM 1.0')

Lab Sample ID: 480-86459-12

Date Sampled: 09/01/2015 1304

Client Matrix: Solid

% Moisture: 10.0

Date Received: 09/01/2015 1702

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	480-261681	Instrument ID:	HP6890-7
Prep Method:	3550C	Prep Batch:	480-261621	Initial Weight/Volume:	+2.47 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	09/02/2015 2037			Injection Volume:	1 uL
Prep Date:	09/02/2015 1043			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
PCB-1016		ND		0.044	0.22
PCB-1221		ND		0.044	0.22
PCB-1232		ND		0.044	0.22
PCB-1242		ND		0.044	0.22
PCB-1248		ND		0.044	0.22
PCB-1254		ND		0.11	0.22
PCB-1260		0.45		0.11	0.22

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	101		60 - 154
DCB Decachlorobiphenyl	105		65 - 174

Analytical Data

Client: AECOM Technical Services Inc.

Job Number: 480-86459-1

Client Sample ID: CS-20 (BOTTOM 1.0')

Lab Sample ID: 480-86459-14

Date Sampled: 09/01/2015 1330

Client Matrix: Solid

% Moisture: 7.1

Date Received: 09/01/2015 1702

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	480-261681	Instrument ID:	HP6890-7
Prep Method:	3550C	Prep Batch:	480-261621	Initial Weight/Volume:	+2.62 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	09/02/2015 1655			Injection Volume:	1 µL
Prep Date:	09/02/2015 1043			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
PCB-1016		ND		0.040	0.21
PCB-1221		ND		0.040	0.21
PCB-1232		ND		0.040	0.21
PCB-1242		ND		0.040	0.21
PCB-1248		ND		0.040	0.21
PCB-1254		ND		0.096	0.21
PCB-1260		0.24		0.096	0.21
Surrogate		%Rec	Qualifier	Acceptance Limits	
Tetrachloro-m-xylene		97		60 - 154	
DCB Decachlorobiphenyl		98		65 - 174	

Analytical Data

Client: AECOM Technical Services Inc.

Job Number: 480-86459-1

Client Sample ID: CS-22 (BOTTOM 1.0')

Lab Sample ID: 480-86459-15

Date Sampled: 09/01/2015 1334

Client Matrix: Solid

% Moisture: 8.4

Date Received: 09/01/2015 1702

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	480-261681	Instrument ID:	HP6890-7
Prep Method:	3550C	Prep Batch:	480-261621	Initial Weight/Volume:	+2.08 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	09/02/2015 2053			Injection Volume:	1 uL
Prep Date:	09/02/2015 1043			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
PCB-1016		ND		0.051	0.26
PCB-1221		ND		0.051	0.26
PCB-1232		ND		0.051	0.26
PCB-1242		ND		0.051	0.26
PCB-1248		ND		0.051	0.26
PCB-1254		ND		0.12	0.26
PCB-1260		ND		0.12	0.26

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	100		60 - 154
DCB Decachlorobiphenyl	102		65 - 174

Analytical Data

Client: AECOM Technical Services Inc.

Job Number: 480-86459-1

Client Sample ID: CS-23 (SIDEWALL 0.5')

Lab Sample ID: 480-86459-16

Date Sampled: 09/01/2015 1340

Client Matrix: Solid

% Moisture: 9.6

Date Received: 09/01/2015 1702

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	480-261681	Instrument ID:	HP6890-7
Prep Method:	3550C	Prep Batch:	480-261621	Initial Weight/Volume:	+2.24 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	09/02/2015 2109			Injection Volume:	1 uL
Prep Date:	09/02/2015 1043			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
PCB-1016		ND		0.048	0.25
PCB-1221		ND		0.048	0.25
PCB-1232		ND		0.048	0.25
PCB-1242		ND		0.048	0.25
PCB-1248		ND		0.048	0.25
PCB-1254		ND		0.12	0.25
PCB-1260		ND		0.12	0.25

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	100		60 - 154
DCB Decachlorobiphenyl	105		65 - 174

Analytical Data

Client: AECOM Technical Services Inc.

Job Number: 480-86459-1

Client Sample ID: CS-24 (BOTTOM 1.0')

Lab Sample ID: 480-86459-17

Date Sampled: 09/01/2015 1345

Client Matrix: Solid

% Moisture: 9.9

Date Received: 09/01/2015 1702

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	480-261681	Instrument ID:	HP6890-7
Prep Method:	3550C	Prep Batch:	480-261621	Initial Weight/Volume:	+2.11 g
Dilution:	2.0			Final Weight/Volume:	10 mL
Analysis Date:	09/02/2015 2125			Injection Volume:	1 uL
Prep Date:	09/02/2015 1043			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
PCB-1016		ND		0.10	0.53
PCB-1221		ND		0.10	0.53
PCB-1232		ND		0.10	0.53
PCB-1242		ND		0.10	0.53
PCB-1248		ND		0.10	0.53
PCB-1254		ND		0.25	0.53
PCB-1260		7.6		0.25	0.53

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	101		60 - 154
DCB Decachlorobiphenyl	107		65 - 174

Analytical Data

Client: AECOM Technical Services Inc.

Job Number: 480-87954-2

Client Sample ID: CS-24A (BOTTOM 1.5)

Lab Sample ID: 480-87954-3

Date Sampled: 09/25/2015 1045

Client Matrix: Solid

% Moisture: 16.0

Date Received: 09/25/2015 1348

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	480-265881	Instrument ID:	HP6890-7
Prep Method:	3550C	Prep Batch:	480-265832	Initial Weight/Volume:	+2.51 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	09/28/2015 2049			Injection Volume:	1 uL
Prep Date:	09/28/2015 1143			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
PCB-1016		ND		0.046	0.24
PCB-1221		ND		0.046	0.24
PCB-1232		ND		0.046	0.24
PCB-1242		ND		0.046	0.24
PCB-1248		ND		0.046	0.24
PCB-1254		ND		0.11	0.24
PCB-1260		ND		0.11	0.24

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	103		60 - 154
DCB Decachlorobiphenyl	98		65 - 174

Analytical Data

Client: AECOM Technical Services Inc.

Job Number: 480-86459-1

Client Sample ID: CS-25 (BOTTOM 1.0')

Lab Sample ID: 480-86459-18

Date Sampled: 09/01/2015 1348

Client Matrix: Solid

% Moisture: 13.0

Date Received: 09/01/2015 1702

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	480-261681	Instrument ID:	HP6890-7
Prep Method:	3550C	Prep Batch:	480-261621	Initial Weight/Volume:	+2.43 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	09/02/2015 2213			Injection Volume:	1 uL
Prep Date:	09/02/2015 1043			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
PCB-1016		ND		0.046	0.24
PCB-1221		ND		0.046	0.24
PCB-1232		ND		0.046	0.24
PCB-1242		ND		0.046	0.24
PCB-1248		ND		0.046	0.24
PCB-1254		ND		0.11	0.24
PCB-1260		3.6		0.11	0.24

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	81		60 - 154
DCB Decachlorobiphenyl	83		65 - 174

Analytical Data

Client: AECOM Technical Services Inc.

Job Number: 480-87954-2

Client Sample ID: CS-25A (BOTTOM 1.5)

Lab Sample ID: 480-87954-4

Date Sampled: 09/25/2015 1050

Client Matrix: Solid

% Moisture: 16.0

Date Received: 09/25/2015 1348

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	480-265881	Instrument ID:	HP6890-7
Prep Method:	3550C	Prep Batch:	480-265832	Initial Weight/Volume:	+2.23 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	09/28/2015 2104			Injection Volume:	1 uL
Prep Date:	09/28/2015 1143			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
PCB-1016		ND		0.052	0.27
PCB-1221		ND		0.052	0.27
PCB-1232		ND		0.052	0.27
PCB-1242		ND		0.052	0.27
PCB-1248		ND		0.052	0.27
PCB-1254		ND		0.12	0.27
PCB-1260		ND		0.12	0.27

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	98		60 - 154
DCB Decachlorobiphenyl	93		65 - 174

Analytical Data

Client: AECOM Technical Services Inc.

Job Number: 480-86459-1

Client Sample ID: CS-26 (SIDEWALL 0.5')

Lab Sample ID: 480-86459-19

Date Sampled: 09/01/2015 1353

Client Matrix: Solid

% Moisture: 9.8

Date Received: 09/01/2015 1702

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method: 8082A

Analysis Batch: 480-261681

Instrument ID: HP6890-7

Prep Method: 3550C

Prep Batch: 480-261621

Initial Weight/Volume: +2.17 g

Dilution: 1.0

Final Weight/Volume: 10 mL

Analysis Date: 09/02/2015 2229

Injection Volume: 1 uL

Prep Date: 09/02/2015 1043

Result Type: PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
PCB-1016		ND		0.050	0.26
PCB-1221		ND		0.050	0.26
PCB-1232		ND		0.050	0.26
PCB-1242		ND		0.050	0.26
PCB-1248		ND		0.050	0.26
PCB-1254		ND		0.12	0.26
PCB-1260		0.57		0.12	0.26

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	103		60 - 154
DCB Decachlorobiphenyl	110		65 - 174

Analytical Data

Client: AECOM Technical Services Inc.

Job Number: 480-86459-1

Client Sample ID: CS-27 (BOTTOM 1.0')

Lab Sample ID: 480-86459-20

Date Sampled: 09/01/2015 1358

Client Matrix: Solid

% Moisture: 10.5

Date Received: 09/01/2015 1702

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method: 8082A

Analysis Batch: 480-261681

Instrument ID: HP6890-7

Prep Method: 3550C

Prep Batch: 480-261621

Initial Weight/Volume: +2.43 g

Dilution: 1.0

Final Weight/Volume: 10 mL

Analysis Date: 09/02/2015 2245

Injection Volume: 1 uL

Prep Date: 09/02/2015 1043

Result Type: PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
PCB-1016		ND		0.045	0.23
PCB-1221		ND		0.045	0.23
PCB-1232		ND		0.045	0.23
PCB-1242		ND		0.045	0.23
PCB-1248		ND		0.045	0.23
PCB-1254		ND		0.11	0.23
PCB-1260		0.56		0.11	0.23

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	100		60 - 154
DCB Decachlorobiphenyl	102		65 - 174

Analytical Data

Client: AECOM Technical Services Inc.

Job Number: 480-86459-1

Client Sample ID: CS-28 (BOTTOM 1.0')

Lab Sample ID: 480-86459-21

Date Sampled: 09/01/2015 1400

Client Matrix: Solid

% Moisture: 13.0

Date Received: 09/01/2015 1702

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method: 8082A

Analysis Batch: 480-261681

Instrument ID: HP6890-7

Prep Method: 3550C

Prep Batch: 480-261621

Initial Weight/Volume: +2.60 g

Dilution: 1.0

Final Weight/Volume: 10 mL

Analysis Date: 09/02/2015 2301

Injection Volume: 1 µL

Prep Date: 09/02/2015 1043

Result Type: PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
PCB-1016		ND		0.043	0.22
PCB-1221		ND		0.043	0.22
PCB-1232		ND		0.043	0.22
PCB-1242		ND		0.043	0.22
PCB-1248		ND		0.043	0.22
PCB-1254		ND		0.10	0.22
PCB-1260		0.43		0.10	0.22

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	92		60 - 154
DCB Decachlorobiphenyl	88		65 - 174

Analytical Data

Client: AECOM Technical Services Inc.

Job Number: 480-86459-1

Client Sample ID: CS-29 (SIDEWALL 0.5')

Lab Sample ID: 480-86459-22

Date Sampled: 09/01/2015 1403

Client Matrix: Solid

% Moisture: 7.2

Date Received: 09/01/2015 1702

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	480-261681	Instrument ID:	HP6890-7
Prep Method:	3550C	Prep Batch:	480-261622	Initial Weight/Volume:	+2.02 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	09/03/2015 0212			Injection Volume:	1 µL
Prep Date:	09/02/2015 1047			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
PCB-1016		ND		0.052	0.27
PCB-1221		ND		0.052	0.27
PCB-1232		ND		0.052	0.27
PCB-1242		ND		0.052	0.27
PCB-1248		ND		0.052	0.27
PCB-1254		ND		0.12	0.27
PCB-1260		0.91		0.12	0.27

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	105		60 - 154
DCB Decachlorobiphenyl	107		65 - 174

Analytical Data

Client: AECOM Technical Services Inc.

Job Number: 480-86459-1

Client Sample ID: CS-30 (SIDEWALL 0.5')

Lab Sample ID: 480-86459-23

Date Sampled: 09/01/2015 1409

Client Matrix: Solid

% Moisture: 11.4

Date Received: 09/01/2015 1702

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	480-261681	Instrument ID:	HP6890-7
Prep Method:	3550C	Prep Batch:	480-261622	Initial Weight/Volume:	+2.06 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	09/03/2015 0300			Injection Volume:	1 µL
Prep Date:	09/02/2015 1047			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
PCB-1016		ND		0.054	0.27
PCB-1221		ND		0.054	0.27
PCB-1232		ND		0.054	0.27
PCB-1242		ND		0.054	0.27
PCB-1248		ND		0.054	0.27
PCB-1254		ND		0.13	0.27
PCB-1260		0.96		0.13	0.27

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	101		60 - 154
DCB Decachlorobiphenyl	104		65 - 174

Analytical Data

Client: AECOM Technical Services Inc.

Job Number: 480-86752-1

Client Sample ID: CS-33 (BOTTOM 1.0)

Lab Sample ID: 480-86752-1

Date Sampled: 09/04/2015 0835

Client Matrix: Solid

% Moisture: 13.8

Date Received: 09/04/2015 1017

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	480-262464	Instrument ID:	HP6890-7
Prep Method:	3550C	Prep Batch:	480-262323	Initial Weight/Volume:	+2.39 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	09/09/2015 0838			Injection Volume:	1 uL
Prep Date:	09/08/2015 0849			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
PCB-1016		ND		0.047	0.24
PCB-1221		ND		0.047	0.24
PCB-1232		ND		0.047	0.24
PCB-1242		ND		0.047	0.24
PCB-1248		ND		0.047	0.24
PCB-1254		0.22	J	0.11	0.24
PCB-1260		0.21	J	0.11	0.24

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	106		60 - 154
DCB Decachlorobiphenyl	96		65 - 174

Analytical Data

Client: AECOM Technical Services Inc.

Job Number: 480-86752-1

Client Sample ID: CS-34 (BOTTOM 1.0)

Lab Sample ID: 480-86752-2

Date Sampled: 09/04/2015 0838

Client Matrix: Solid

% Moisture: 11.6

Date Received: 09/04/2015 1017

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	480-262464	Instrument ID:	HP6890-7
Prep Method:	3550C	Prep Batch:	480-262323	Initial Weight/Volume:	+2.61 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	09/09/2015 0854			Injection Volume:	1 µL
Prep Date:	09/08/2015 0849			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
PCB-1016		ND		0.042	0.22
PCB-1221		ND		0.042	0.22
PCB-1232		ND		0.042	0.22
PCB-1242		ND		0.042	0.22
PCB-1248		ND		0.042	0.22
PCB-1254		ND		0.10	0.22
PCB-1260		ND		0.10	0.22

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	100		60 - 154
DCB Decachlorobiphenyl	98		65 - 174

Analytical Data

Client: AECOM Technical Services Inc.

Job Number: 480-86752-1

Client Sample ID: CS-35 (BOTTOM 1.0)

Lab Sample ID: 480-86752-3

Date Sampled: 09/04/2015 0845

Client Matrix: Solid

% Moisture: 10.3

Date Received: 09/04/2015 1017

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	480-262464	Instrument ID:	HP6890-7
Prep Method:	3550C	Prep Batch:	480-262323	Initial Weight/Volume:	+2.54 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	09/09/2015 0910			Injection Volume:	1 µL
Prep Date:	09/08/2015 0849			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
PCB-1016		ND		0.043	0.22
PCB-1221		ND		0.043	0.22
PCB-1232		ND		0.043	0.22
PCB-1242		ND		0.043	0.22
PCB-1248		ND		0.043	0.22
PCB-1254		ND		0.10	0.22
PCB-1260		ND		0.10	0.22

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	105		60 - 154
DCB Decachlorobiphenyl	97		65 - 174

Analytical Data

Client: AECOM Technical Services Inc.

Job Number: 480-86925-1

Client Sample ID: CS-36 BOTTOM 1.0

Lab Sample ID: 480-86925-1

Date Sampled: 09/09/2015 0900

Client Matrix: Solid

% Moisture: 6.6

Date Received: 09/09/2015 1345

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	480-262904	Instrument ID:	HP6890-7
Prep Method:	3550C	Prep Batch:	480-262781	Initial Weight/Volume:	+2.77 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	09/10/2015 1906			Injection Volume:	1 µL
Prep Date:	09/10/2015 0819			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
PCB-1016		ND		0.038	0.19
PCB-1221		ND		0.038	0.19
PCB-1232		ND		0.038	0.19
PCB-1242		ND		0.038	0.19
PCB-1248		ND		0.038	0.19
PCB-1254		ND		0.090	0.19
PCB-1260		0.32		0.090	0.19

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	95		60 - 154
DCB Decachlorobiphenyl	96		65 - 174

Analytical Data

Client: AECOM Technical Services Inc.

Job Number: 480-86925-1

Client Sample ID: CS-37 BOTTOM 1.0

Lab Sample ID: 480-86925-2

Date Sampled: 09/09/2015 0909

Client Matrix: Solid

% Moisture: 18.0

Date Received: 09/09/2015 1345

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	480-262904	Instrument ID:	HP6890-7
Prep Method:	3550C	Prep Batch:	480-262781	Initial Weight/Volume:	+2.66 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	09/10/2015 1922			Injection Volume:	1 µL
Prep Date:	09/10/2015 0819			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
PCB-1016		ND		0.045	0.23
PCB-1221		ND		0.045	0.23
PCB-1232		ND		0.045	0.23
PCB-1242		ND		0.045	0.23
PCB-1248		ND		0.045	0.23
PCB-1254		ND		0.11	0.23
PCB-1260		0.12	NJ	0.11	0.23

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	86		60 - 154
DCB Decachlorobiphenyl	85		65 - 174

9/15/15
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Analytical Data

Client: AECOM Technical Services Inc.

Job Number: 480-86925-1

Client Sample ID: 20150909-FD-1

CS-37 (Bottom 1.0')

Lab Sample ID: 480-86925-5

Date Sampled: 09/09/2015 0000

Client Matrix: Solid

% Moisture: 16.9

Date Received: 09/09/2015 1345

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	480-262904	Instrument ID:	HP6890-7
Prep Method:	3550C	Prep Batch:	480-262781	Initial Weight/Volume:	+2.50 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	09/10/2015 1954			Injection Volume:	1 µL
Prep Date:	09/10/2015 0819			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
PCB-1016		ND		0.047	0.24
PCB-1221		ND		0.047	0.24
PCB-1232		ND		0.047	0.24
PCB-1242		ND		0.047	0.24
PCB-1248		ND		0.047	0.24
PCB-1254		ND		0.11	0.24
PCB-1260		0.21	J	0.11	0.24

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	92		60 - 154
DCB Decachlorobiphenyl	92		65 - 174

Analytical Data

Client: AECOM Technical Services Inc.

Job Number: 480-86925-1

Client Sample ID: CD-38 BOTTOM 1.0

Lab Sample ID: 480-86925-3

Date Sampled: 09/09/2015 0916

Client Matrix: Solid

% Moisture: 14.6

Date Received: 09/09/2015 1345

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	480-262904	Instrument ID:	HP6890-7
Prep Method:	3550C	Prep Batch:	480-262781	Initial Weight/Volume:	+2.25 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	09/10/2015 1938			Injection Volume:	1 µL
Prep Date:	09/10/2015 0819			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
PCB-1016		ND		0.051	0.26
PCB-1221		ND		0.051	0.26
PCB-1232		ND		0.051	0.26
PCB-1242		ND		0.051	0.26
PCB-1248		ND		0.051	0.26
PCB-1254		ND		0.12	0.26
PCB-1260		ND		0.12	0.26

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	96		60 - 154
DCB Decachlorobiphenyl	97		65 - 174

Analytical Data

Client: AECOM Technical Services Inc.

Job Number: 480-86925-1

Client Sample ID: CS-39 BOTTOM 1.0

Lab Sample ID: 480-86925-4

Date Sampled: 09/09/2015 0928

Client Matrix: Solid

% Moisture: 15.7

Date Received: 09/09/2015 1345

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	480-262904	Instrument ID:	HP6890-7
Prep Method:	3550C	Prep Batch:	480-262781	Initial Weight/Volume:	+2.43 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	09/10/2015 1611			Injection Volume:	1 uL
Prep Date:	09/10/2015 0819			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
PCB-1016		ND		0.048	0.24
PCB-1221		ND		0.048	0.24
PCB-1232		ND		0.048	0.24
PCB-1242		ND		0.048	0.24
PCB-1248		ND		0.048	0.24
PCB-1254		ND		0.11	0.24
PCB-1260		ND		0.11	0.24

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	99		60 - 154
DCB Decachlorobiphenyl	99		65 - 174

Analytical Data

Client: AECOM Technical Services Inc.

Job Number: 480-87000-2

Client Sample ID: CS-48 (SIDEWALL 1.0')

Lab Sample ID: 480-87000-6

Date Sampled: 09/10/2015 1145

Client Matrix: Solid

% Moisture: 20.0

Date Received: 09/10/2015 1428

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	480-263040	Instrument ID:	HP6890-7
Prep Method:	3550C	Prep Batch:	480-263058	Initial Weight/Volume:	2.76 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	09/11/2015 1311			Injection Volume:	1 µL
Prep Date:	09/11/2015 0915			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
PCB-1016		ND		0.044	0.23
PCB-1221		ND		0.044	0.23
PCB-1232		ND		0.044	0.23
PCB-1242		ND		0.044	0.23
PCB-1248		ND		0.044	0.23
PCB-1254		ND		0.11	0.23
PCB-1260		ND		0.11	0.23

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	100		60 - 154
DCB Decachlorobiphenyl	98		65 - 174

Analytical Data

Client: AECOM Technical Services Inc.

Job Number: 480-87000-2

Client Sample ID: CS-49 (SIDEWALL 1.0')

Lab Sample ID: 480-87000-7

Date Sampled: 09/10/2015 1150

Client Matrix: Solid

% Moisture: 27.5

Date Received: 09/10/2015 1428

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	480-263040	Instrument ID:	HP6890-7
Prep Method:	3550C	Prep Batch:	480-263058	Initial Weight/Volume:	2.02 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	09/11/2015 1326			Injection Volume:	1 µL
Prep Date:	09/11/2015 0915			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
PCB-1016		ND		0.067	0.34
PCB-1221		ND		0.067	0.34
PCB-1232		ND		0.067	0.34
PCB-1242		ND		0.067	0.34
PCB-1248		ND		0.067	0.34
PCB-1254		ND		0.16	0.34
PCB-1260		ND		0.16	0.34

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	98		60 - 154
DCB Decachlorobiphenyl	96		65 - 174

Analytical Data

Client: AECOM Technical Services Inc.

Job Number: 480-87000-2

Client Sample ID: CS-50 (BOTTOM 1.0')

Lab Sample ID: 480-87000-5

Date Sampled: 09/10/2015 1140

Client Matrix: Solid

% Moisture: 26.7

Date Received: 09/10/2015 1428

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	480-263040	Instrument ID:	HP6890-7
Prep Method:	3550C	Prep Batch:	480-263058	Initial Weight/Volume:	2.13 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	09/11/2015 1255			Injection Volume:	1 µL
Prep Date:	09/11/2015 0915			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
PCB-1016		ND		0.063	0.32
PCB-1221		ND		0.063	0.32
PCB-1232		ND		0.063	0.32
PCB-1242		ND		0.063	0.32
PCB-1248		ND		0.063	0.32
PCB-1254		ND		0.15	0.32
PCB-1260		ND		0.15	0.32

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	96		60 - 154
DCB Decachlorobiphenyl	89		65 - 174

Analytical Data

Client: AECOM Technical Services Inc.

Job Number: 480-87000-1

Client Sample ID: CS-51 (BOTTOM 1.0')

Lab Sample ID: 480-87000-4

Date Sampled: 09/10/2015 1135

Client Matrix: Solid

% Moisture: 20.9

Date Received: 09/10/2015 1428

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	480-263040	Instrument ID:	HP6890-7
Prep Method:	3550C	Prep Batch:	480-263058	Initial Weight/Volume:	2.47 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	09/11/2015 1605			Injection Volume:	1 uL
Prep Date:	09/11/2015 0915			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
PCB-1016		ND		0.050	0.26
PCB-1221		ND		0.050	0.26
PCB-1232		ND		0.050	0.26
PCB-1242		ND		0.050	0.26
PCB-1248		0.086	J NJ	0.050	0.26
PCB-1254		0.16	J	0.12	0.26
PCB-1260		ND		0.12	0.26

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	103		60 - 154
DCB Decachlorobiphenyl	103		65 - 174

9/14/15
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Analytical Data

Client: AECOM Technical Services Inc.

Job Number: 480-87764-1

Client Sample ID: CS-52 (BOTTOM 5.0)

Lab Sample ID: 480-87764-1

Date Sampled: 09/18/2015 1720

Client Matrix: Solid

% Moisture: 16.5

Date Received: 09/23/2015 1440

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	480-265299	Instrument ID:	HP6890-7
Prep Method:	3550C	Prep Batch:	480-265234	Initial Weight/Volume:	+2.64 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	09/24/2015 1454			Injection Volume:	1 µL
Prep Date:	09/24/2015 0755			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
PCB-1016		ND		0.044	0.23
PCB-1221		ND		0.044	0.23
PCB-1232		ND		0.044	0.23
PCB-1242		ND		0.044	0.23
PCB-1248		ND		0.044	0.23
PCB-1254		ND		0.11	0.23
PCB-1260		0.13	J	0.11	0.23

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	99		60 - 154
DCB Decachlorobiphenyl	100		65 - 174

Analytical Data

Client: AECOM Technical Services Inc.

Job Number: 480-87764-1

Client Sample ID: CS-53 (BOTTOM 5.0)

Lab Sample ID: 480-87764-2

Date Sampled: 09/18/2015 1730

Client Matrix: Solid

% Moisture: 13.2

Date Received: 09/23/2015 1440

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	480-265299	Instrument ID:	HP6890-7
Prep Method:	3550C	Prep Batch:	480-265234	Initial Weight/Volume:	+2.30 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	09/24/2015 1510			Injection Volume:	1 µL
Prep Date:	09/24/2015 0755			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
PCB-1016		ND		0.049	0.25
PCB-1221		ND		0.049	0.25
PCB-1232		ND		0.049	0.25
PCB-1242		ND		0.049	0.25
PCB-1248		ND		0.049	0.25
PCB-1254		ND		0.12	0.25
PCB-1260		ND		0.12	0.25

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	99		60 - 154
DCB Decachlorobiphenyl	102		65 - 174

Analytical Data

Client: AECOM Technical Services Inc.

Job Number: 480-87764-1

Client Sample ID: CS-54 (BOTTOM 5.5)

Lab Sample ID: 480-87764-3

Date Sampled: 09/18/2015 1758

Client Matrix: Solid

% Moisture: 13.7

Date Received: 09/23/2015 1440

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	480-265299	Instrument ID:	HP6890-7
Prep Method:	3550C	Prep Batch:	480-265234	Initial Weight/Volume:	+2.34 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	09/24/2015 1526			Injection Volume:	1 µL
Prep Date:	09/24/2015 0755			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
PCB-1016		ND		0.048	0.25
PCB-1221		ND		0.048	0.25
PCB-1232		ND		0.048	0.25
PCB-1242		ND		0.048	0.25
PCB-1248		ND		0.048	0.25
PCB-1254		ND		0.12	0.25
PCB-1260		ND		0.12	0.25

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	93		60 - 154
DCB Decachlorobiphenyl	94		65 - 174

Analytical Data

Client: AECOM Technical Services Inc.

Job Number: 480-87764-1

Client Sample ID: CS-55 (BOTTOM 5.5)

Lab Sample ID: 480-87764-4

Date Sampled: 09/23/2015 1147

Client Matrix: Solid

% Moisture: 15.0

Date Received: 09/23/2015 1440

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	480-265299	Instrument ID:	HP6890-7
Prep Method:	3550C	Prep Batch:	480-265234	Initial Weight/Volume:	+2.71 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	09/24/2015 1542			Injection Volume:	1 µL
Prep Date:	09/24/2015 0755			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
PCB-1016		ND		0.042	0.22
PCB-1221		ND		0.042	0.22
PCB-1232		ND		0.042	0.22
PCB-1242		ND		0.042	0.22
PCB-1248		ND		0.042	0.22
PCB-1254		0.30		0.10	0.22
PCB-1260		0.16	J	0.10	0.22

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	98		60 - 154
DCB Decachlorobiphenyl	100		65 - 174

Analytical Data

Client: AECOM Technical Services Inc.

Job Number: 480-87764-1

Client Sample ID: CS-56 (BOTTOM 1.0)

Lab Sample ID: 480-87764-5

Date Sampled: 09/23/2015 1042

Client Matrix: Solid

% Moisture: 19.8

Date Received: 09/23/2015 1440

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	480-265299	Instrument ID:	HP6890-7
Prep Method:	3550C	Prep Batch:	480-265234	Initial Weight/Volume:	+2.23 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	09/24/2015 1558			Injection Volume:	1 µL
Prep Date:	09/24/2015 0755			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
PCB-1016		ND		0.055	0.28
PCB-1221		ND		0.055	0.28
PCB-1232		ND		0.055	0.28
PCB-1242		ND		0.055	0.28
PCB-1248		ND		0.055	0.28
PCB-1254		ND		0.13	0.28
PCB-1260		ND		0.13	0.28

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	100		60 - 154
DCB Decachlorobiphenyl	102		65 - 174

Analytical Data

Client: AECOM Technical Services Inc.

Job Number: 480-87764-2

Client Sample ID: CS-57 (BOTTOM 1.0)

Lab Sample ID: 480-87764-6

Date Sampled: 09/23/2015 1046

Client Matrix: Solid

% Moisture: 20.5

Date Received: 09/23/2015 1440

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	480-265299	Instrument ID:	HP6890-7
Prep Method:	3550C	Prep Batch:	480-265234	Initial Weight/Volume:	+2.15 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	09/24/2015 1303			Injection Volume:	1 uL
Prep Date:	09/24/2015 0755			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
PCB-1016		ND		0.057	0.29
PCB-1221		ND		0.057	0.29
PCB-1232		ND		0.057	0.29
PCB-1242		0.36		0.057	0.29
PCB-1248		ND		0.057	0.29
PCB-1254		ND		0.14	0.29
PCB-1260		0.33		0.14	0.29

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	94		60 - 154
DCB Decachlorobiphenyl	93		65 - 174

Analytical Data

Client: AECOM Technical Services Inc.

Job Number: 480-87764-1

Client Sample ID: CS-58 (BOTTOM 1.0)

Lab Sample ID: 480-87764-7

Date Sampled: 09/23/2015 1050

Client Matrix: Solid

% Moisture: 15.7

Date Received: 09/23/2015 1440

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	480-265299	Instrument ID:	HP6890-7
Prep Method:	3550C	Prep Batch:	480-265234	Initial Weight/Volume:	+2.67 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	09/24/2015 1614			Injection Volume:	1 uL
Prep Date:	09/24/2015 0755			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
PCB-1016		ND		0.043	0.22
PCB-1221		ND		0.043	0.22
PCB-1232		ND		0.043	0.22
PCB-1242		0.23		0.043	0.22
PCB-1248		ND		0.043	0.22
PCB-1254		ND		0.10	0.22
PCB-1260		0.33		0.10	0.22

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	96		60 - 154
DCB Decachlorobiphenyl	97		65 - 174

Analytical Data

Client: AECOM Technical Services Inc.

Job Number: 480-87764-2

Client Sample ID: CS-59 (BOTTOM 1.0)

Lab Sample ID: 480-87764-8

Date Sampled: 09/23/2015 1054

Client Matrix: Solid

% Moisture: 16.0

Date Received: 09/23/2015 1440

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method: 8082A

Analysis Batch: 480-265299

Instrument ID: HP6890-7

Prep Method: 3550C

Prep Batch: 480-265234

Initial Weight/Volume: +2.33 g

Dilution: 1.0

Final Weight/Volume: 10 mL

Analysis Date: 09/24/2015 1319

Injection Volume: 1 µL

Prep Date: 09/24/2015 0755

Result Type: PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
PCB-1016		ND		0.050	0.26
PCB-1221		ND		0.050	0.26
PCB-1232		ND		0.050	0.26
PCB-1242		4.4		0.050	0.26
PCB-1248		ND		0.050	0.26
PCB-1254		ND		0.12	0.26
PCB-1260		3.4		0.12	0.26

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	100		60 - 154
DCB Decachlorobiphenyl	103		65 - 174

Analytical Data

Client: AECOM Technical Services Inc.

Job Number: 480-88151-1

Client Sample ID: CS-59A (BOTTOM 1.5)

Lab Sample ID: 480-88151-1

Date Sampled: 09/30/2015 1420

Client Matrix: Solid

% Moisture: 17.6

Date Received: 09/30/2015 1800

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	480-266443	Instrument ID:	HP5890-12
Prep Method:	3550C	Prep Batch:	480-266401	Initial Weight/Volume:	+2.19 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	10/01/2015 1443			Injection Volume:	1 µL
Prep Date:	10/01/2015 0831			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
PCB-1016		ND		0.054	0.28
PCB-1221		ND		0.054	0.28
PCB-1232		ND		0.054	0.28
PCB-1242		ND		0.054	0.28
PCB-1248		ND		0.054	0.28
PCB-1254		ND		0.13	0.28
PCB-1260		ND		0.13	0.28

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	100		60 - 154
DCB Decachlorobiphenyl	94		65 - 174

Analytical Data

Client: AECOM Technical Services Inc.

Job Number: 480-87764-2

Client Sample ID: CS-62 (BOTTOM 1.0)

Lab Sample ID: 480-87764-9

Date Sampled: 09/23/2015 1115

Client Matrix: Solid

% Moisture: 12.5

Date Received: 09/23/2015 1440

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	480-265299	Instrument ID:	HP6890-7
Prep Method:	3550C	Prep Batch:	480-265234	Initial Weight/Volume:	+2.81 g
Dilution:	10			Final Weight/Volume:	10 mL
Analysis Date:	09/24/2015 1335			Injection Volume:	1 µL
Prep Date:	09/24/2015 0755			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
PCB-1016		ND	FT	0.40	2.0
PCB-1221		ND		0.40	2.0
PCB-1232		ND		0.40	2.0
PCB-1242		ND		0.40	2.0
PCB-1248		2.4	J	0.40	2.0
PCB-1254		ND		0.95	2.0
PCB-1260		13		0.95	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	104		60 - 154
DCB Decachlorobiphenyl	112		65 - 174

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Analytical Data

Client: AECOM Technical Services Inc.

Job Number: 480-88151-1

Client Sample ID: CS-62A (BOTTOM 1.5)

Lab Sample ID: 480-88151-4

Date Sampled: 09/30/2015 1410

Client Matrix: Solid

% Moisture: 18.6

Date Received: 09/30/2015 1800

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	480-266443	Instrument ID:	HP5890-12
Prep Method:	3550C	Prep Batch:	480-266401	Initial Weight/Volume:	+2.72 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	10/01/2015 1458			Injection Volume:	1 uL
Prep Date:	10/01/2015 0831			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
PCB-1016		ND		0.044	0.23
PCB-1221		ND		0.044	0.23
PCB-1232		ND		0.044	0.23
PCB-1242		ND		0.044	0.23
PCB-1248		ND		0.044	0.23
PCB-1254		ND		0.11	0.23
PCB-1260		ND		0.11	0.23

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	98		60 - 154
DCB Decachlorobiphenyl	95		65 - 174

Analytical Data

Client: AECOM Technical Services Inc.

Job Number: 480-87764-2

Client Sample ID: CS-65 (BOTTOM 1.0)

Lab Sample ID: 480-87764-10

Date Sampled: 09/23/2015 1130

Client Matrix: Solid

% Moisture: 10.6

Date Received: 09/23/2015 1440

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	480-265299	Instrument ID:	HP6890-7
Prep Method:	3550C	Prep Batch:	480-265234	Initial Weight/Volume:	+2.16 g
Dilution:	20			Final Weight/Volume:	10 mL
Analysis Date:	09/24/2015 1351			Injection Volume:	1 uL
Prep Date:	09/24/2015 0755			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
PCB-1016		ND		1.0	5.2
PCB-1221		ND		1.0	5.2
PCB-1232		ND		1.0	5.2
PCB-1242		1.5	J	1.0	5.2
PCB-1248		ND		1.0	5.2
PCB-1254		ND		2.4	5.2
PCB-1260		55	J	2.4	5.2
Surrogate		%Rec	Qualifier	Acceptance Limits	
Tetrachloro-m-xylene		115		60 - 154	
DCB Decachlorobiphenyl		144		65 - 174	

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Analytical Data

Client: AECOM Technical Services Inc.

Job Number: 480-87954-2

Client Sample ID: CS-65A (BOTTOM 1.5)

Lab Sample ID: 480-87954-2

Date Sampled: 09/25/2015 1255

Client Matrix: Solid

% Moisture: 16.1

Date Received: 09/25/2015 1348

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	480-265881	Instrument ID:	HP6890-7
Prep Method:	3550C	Prep Batch:	480-265832	Initial Weight/Volume:	+2.13 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	09/28/2015 2033			Injection Volume:	1 uL
Prep Date:	09/28/2015 1143			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
PCB-1016		ND		0.055	0.28
PCB-1221		ND		0.055	0.28
PCB-1232		ND		0.055	0.28
PCB-1242		ND		0.055	0.28
PCB-1248		ND		0.055	0.28
PCB-1254		ND		0.13	0.28
PCB-1260		ND		0.13	0.28

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	100		60 - 154
DCB Decachlorobiphenyl	94		65 - 174

Analytical Data

Client: AECOM Technical Services Inc.

Job Number: 480-87764-1

Client Sample ID: CS-66 (SIDEWALL 1.0)

Lab Sample ID: 480-87764-11

Date Sampled: 09/23/2015 1135

Client Matrix: Solid

% Moisture: 15.0

Date Received: 09/23/2015 1440

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	480-265299	Instrument ID:	HP6890-7
Prep Method:	3550C	Prep Batch:	480-265234	Initial Weight/Volume:	+2.50 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	09/24/2015 1630			Injection Volume:	1 µL
Prep Date:	09/24/2015 0755			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
PCB-1016		ND		0.046	0.24
PCB-1221		ND		0.046	0.24
PCB-1232		ND		0.046	0.24
PCB-1242		ND		0.046	0.24
PCB-1248		ND		0.046	0.24
PCB-1254		ND		0.11	0.24
PCB-1260		ND		0.11	0.24

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	99		60 - 154
DCB Decachlorobiphenyl	101		65 - 174

Analytical Data

Client: AECOM Technical Services Inc.

Job Number: 480-87854-1

Client Sample ID: CS-68 (BOTTOM 1.0)

Lab Sample ID: 480-87854-1

Date Sampled: 09/24/2015 1303

Client Matrix: Solid

% Moisture: 14.7

Date Received: 09/24/2015 1525

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	480-265589	Instrument ID:	HP6890-7
Prep Method:	3550C	Prep Batch:	480-265490	Initial Weight/Volume:	+2.33 g
Dilution:	2.0			Final Weight/Volume:	10 mL
Analysis Date:	09/25/2015 1718			Injection Volume:	1 uL
Prep Date:	09/25/2015 0841			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
PCB-1016		ND		0.098	0.50
PCB-1221		ND		0.098	0.50
PCB-1232		ND		0.098	0.50
PCB-1242		ND		0.098	0.50
PCB-1248		ND		0.098	0.50
PCB-1254		ND		0.24	0.50
PCB-1260		5.1		0.24	0.50

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	100		60 - 154
DCB Decachlorobiphenyl	104		65 - 174

Analytical Data

Client: AECOM Technical Services Inc.

Job Number: 480-87854-1

Client Sample ID: CS-69 (SIDEWALL 1.5)

Lab Sample ID: 480-87854-2

Date Sampled: 09/24/2015 1305

Client Matrix: Solid

% Moisture: 15.9

Date Received: 09/24/2015 1525

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	480-265589	Instrument ID:	HP6890-7
Prep Method:	3550C	Prep Batch:	480-265490	Initial Weight/Volume:	+2.31 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	09/25/2015 1734			Injection Volume:	1 uL
Prep Date:	09/25/2015 0841			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
PCB-1016		ND		0.050	0.26
PCB-1221		ND		0.050	0.26
PCB-1232		ND		0.050	0.26
PCB-1242		ND		0.050	0.26
PCB-1248		ND		0.050	0.26
PCB-1254		ND		0.12	0.26
PCB-1260		ND		0.12	0.26

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	98		60 - 154
DCB Decachlorobiphenyl	101		65 - 174

Analytical Data

Client: AECOM Technical Services Inc.

Job Number: 480-87854-1

Client Sample ID: CS-70 (SIDEWALL 1.5)

Lab Sample ID: 480-87854-3

Date Sampled: 09/24/2015 1300

Client Matrix: Solid

% Moisture: 14.1

Date Received: 09/24/2015 1525

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	480-265589	Instrument ID:	HP6890-7
Prep Method:	3550C	Prep Batch:	480-265490	Initial Weight/Volume:	+2.30 g
Dilution:	400			Final Weight/Volume:	10 mL
Analysis Date:	09/25/2015 1750			Injection Volume:	1 µL
Prep Date:	09/25/2015 0841			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
PCB-1016		ND		20	100
PCB-1221		ND		20	100
PCB-1232		ND		20	100
PCB-1242		ND		20	100
PCB-1248		ND		20	100
PCB-1254		ND		47	100
PCB-1260		1500		47	100

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	124		60 - 154
DCB Decachlorobiphenyl	210	X	65 - 174

Analytical Data

Client: AECOM Technical Services Inc.

Job Number: 480-87854-1

Client Sample ID: CS-71 (SIDEWALL 1.5)

Lab Sample ID: 480-87854-4

Date Sampled: 09/24/2015 1255

Client Matrix: Solid

% Moisture: 14.2

Date Received: 09/24/2015 1525

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	480-265589	Instrument ID:	HP6890-7
Prep Method:	3550C	Prep Batch:	480-265490	Initial Weight/Volume:	+2.83 g
Dilution:	2.0			Final Weight/Volume:	10 mL
Analysis Date:	09/25/2015 1806			Injection Volume:	1 uL
Prep Date:	09/25/2015 0841			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
PCB-1016		ND		0.081	0.41
PCB-1221		ND		0.081	0.41
PCB-1232		ND		0.081	0.41
PCB-1242		ND		0.081	0.41
PCB-1248		ND		0.081	0.41
PCB-1254		ND		0.19	0.41
PCB-1260		5.0		0.19	0.41

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	91		60 - 154
DCB Decachlorobiphenyl	88		65 - 174

Analytical Data

Client: AECOM Technical Services Inc.

Job Number: 480-87854-1

Client Sample ID: CS-72 (SIDEWALL 1.5)

Lab Sample ID: 480-87854-5

Date Sampled: 09/24/2015 1247

Client Matrix: Solid

% Moisture: 11.3

Date Received: 09/24/2015 1525

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	480-265589	Instrument ID:	HP6890-7
Prep Method:	3550C	Prep Batch:	480-265490	Initial Weight/Volume:	+2.73 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	09/25/2015 1822			Injection Volume:	1 uL
Prep Date:	09/25/2015 0841			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
PCB-1016		ND		0.040	0.21
PCB-1221		ND		0.040	0.21
PCB-1232		ND		0.040	0.21
PCB-1242		ND		0.040	0.21
PCB-1248		ND		0.040	0.21
PCB-1254		ND		0.097	0.21
PCB-1260		1.5		0.097	0.21

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	97		60 - 154
DCB Decachlorobiphenyl	100		65 - 174

Analytical Data

Client: AECOM Technical Services Inc.

Job Number: 480-87854-1

Client Sample ID: CS-73 (SIDEWALL 0.5)

Lab Sample ID: 480-87854-6

Date Sampled: 09/24/2015 1310

Client Matrix: Solid

% Moisture: 20.4

Date Received: 09/24/2015 1525

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	480-265589	Instrument ID:	HP6890-7
Prep Method:	3550C	Prep Batch:	480-265490	Initial Weight/Volume:	+2.23 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	09/25/2015 1838			Injection Volume:	1 µL
Prep Date:	09/25/2015 0841			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
PCB-1016		ND		0.055	0.28
PCB-1221		ND		0.055	0.28
PCB-1232		ND		0.055	0.28
PCB-1242		ND		0.055	0.28
PCB-1248		ND		0.055	0.28
PCB-1254		ND		0.13	0.28
PCB-1260		ND		0.13	0.28

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	95		60 - 154
DCB Decachlorobiphenyl	96		65 - 174

Analytical Data

Client: AECOM Technical Services Inc.

Job Number: 480-87854-1

Client Sample ID: CS-74 (SIDEWALL 0.5)

Lab Sample ID: 480-87854-7

Date Sampled: 09/24/2015 1314

Client Matrix: Solid

% Moisture: 15.3

Date Received: 09/24/2015 1525

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	480-265589	Instrument ID:	HP6890-7
Prep Method:	3550C	Prep Batch:	480-265490	Initial Weight/Volume:	+2.04 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	09/25/2015 1925			Injection Volume:	1 µL
Prep Date:	09/25/2015 0841			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
PCB-1016		ND		0.057	0.29
PCB-1221		ND		0.057	0.29
PCB-1232		ND		0.057	0.29
PCB-1242		ND		0.057	0.29
PCB-1248		ND		0.057	0.29
PCB-1254		ND		0.14	0.29
PCB-1260		ND		0.14	0.29

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	100		60 - 154
DCB Decachlorobiphenyl	105		65 - 174

Analytical Data

Client: AECOM Technical Services Inc.

Job Number: 480-87854-1

Client Sample ID: CS-75 (BOTTOM 1.0)

Lab Sample ID: 480-87854-8

Date Sampled: 09/24/2015 1317

Client Matrix: Solid

% Moisture: 20.1

Date Received: 09/24/2015 1525

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	480-265589	Instrument ID:	HP6890-7
Prep Method:	3550C	Prep Batch:	480-265490	Initial Weight/Volume:	+2.85 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	09/25/2015 1941			Injection Volume:	1 µL
Prep Date:	09/25/2015 0841			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
PCB-1016		ND		0.043	0.22
PCB-1221		ND		0.043	0.22
PCB-1232		ND		0.043	0.22
PCB-1242		ND		0.043	0.22
PCB-1248		ND		0.043	0.22
PCB-1254		ND		0.10	0.22
PCB-1260		0.15	J	0.10	0.22

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	99		60 - 154
DCB Decachlorobiphenyl	103		65 - 174

Analytical Data

Client: AECOM Technical Services Inc.

Job Number: 480-88008-1

Client Sample ID: CS-86 (SIDEWALL 5.0)

Lab Sample ID: 480-88008-8

Date Sampled: 09/28/2015 1550

Client Matrix: Solid

% Moisture: 18.2

Date Received: 09/28/2015 1900

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	480-266016	Instrument ID:	HP6890-7
Prep Method:	3550C	Prep Batch:	480-265972	Initial Weight/Volume:	+2.34 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	09/29/2015 1243			Injection Volume:	1 uL
Prep Date:	09/29/2015 0818			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
PCB-1016		ND		0.051	0.26
PCB-1221		ND		0.051	0.26
PCB-1232		ND		0.051	0.26
PCB-1242		ND		0.051	0.26
PCB-1248		ND		0.051	0.26
PCB-1254		ND		0.12	0.26
PCB-1260		0.40		0.12	0.26

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	100		60 - 154
DCB Decachlorobiphenyl	95		65 - 174

Analytical Data

Client: AECOM Technical Services Inc.

Job Number: 480-88008-1

Client Sample ID: 20150928-FD-1

CS-86 (Sidewall 5.0')

Lab Sample ID: 480-88008-12

Date Sampled: 09/28/2015 0000

Client Matrix: Solid

% Moisture: 17.1

Date Received: 09/28/2015 1900

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	480-266016	Instrument ID:	HP6890-7
Prep Method:	3550C	Prep Batch:	480-265972	Initial Weight/Volume:	+2.78 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	09/29/2015 1347			Injection Volume:	1 uL
Prep Date:	09/29/2015 0818			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
PCB-1016		ND		0.042	0.22
PCB-1221		ND		0.042	0.22
PCB-1232		ND		0.042	0.22
PCB-1242		ND		0.042	0.22
PCB-1248		ND		0.042	0.22
PCB-1254		ND		0.10	0.22
PCB-1260		ND		0.10	0.22

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	100		60 - 154
DCB Decachlorobiphenyl	94		65 - 174

Analytical Data

Client: AECOM Technical Services Inc.

Job Number: 480-88008-1

Client Sample ID: CS-87 (SIDEWALL 5.0)

Lab Sample ID: 480-88008-9

Date Sampled: 09/28/2015 1600

Client Matrix: Solid

% Moisture: 15.5

Date Received: 09/28/2015 1900

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	480-266016	Instrument ID:	HP6890-7
Prep Method:	3550C	Prep Batch:	480-265972	Initial Weight/Volume:	+2.75 g
Dilution:	5.0			Final Weight/Volume:	10 mL
Analysis Date:	09/29/2015 1259			Injection Volume:	1 uL
Prep Date:	09/29/2015 0818			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
PCB-1016		0.51	J	0.21	1.1
PCB-1221		ND		0.21	1.1
PCB-1232		ND		0.21	1.1
PCB-1242		ND		0.21	1.1
PCB-1248		ND		0.21	1.1
PCB-1254		ND		0.50	1.1
PCB-1260		11		0.50	1.1

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	92		60 - 154
DCB Decachlorobiphenyl	117		65 - 174

Analytical Data

Client: AECOM Technical Services Inc.

Job Number: 480-88008-1

Client Sample ID: CS-88 (SIDEWALL 5.5)

Lab Sample ID: 480-88008-10

Date Sampled: 09/28/2015 1605

Client Matrix: Solid

% Moisture: 14.8

Date Received: 09/28/2015 1900

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	480-266016	Instrument ID:	HP6890-7
Prep Method:	3550C	Prep Batch:	480-265972	Initial Weight/Volume:	+2.80 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	09/29/2015 1315			Injection Volume:	1 µL
Prep Date:	09/29/2015 0818			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
PCB-1016		ND		0.041	0.21
PCB-1221		ND		0.041	0.21
PCB-1232		ND		0.041	0.21
PCB-1242		ND		0.041	0.21
PCB-1248		ND		0.041	0.21
PCB-1254		ND		0.098	0.21
PCB-1260		ND		0.098	0.21

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	100		60 - 154
DCB Decachlorobiphenyl	96		65 - 174

Analytical Data

Client: AECOM Technical Services Inc.

Job Number: 480-88008-1

Client Sample ID: CS-89 (SIDEWALL 5.0)

Lab Sample ID: 480-88008-11

Date Sampled: 09/28/2015 1615

Client Matrix: Solid

% Moisture: 14.7

Date Received: 09/28/2015 1900

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method: 8082A

Analysis Batch: 480-266016

Instrument ID: HP6890-7

Prep Method: 3550C

Prep Batch: 480-265972

Initial Weight/Volume: +2.92 g

Dilution: 1.0

Final Weight/Volume: 10 mL

Analysis Date: 09/29/2015 1331

Injection Volume: 1 uL

Prep Date: 09/29/2015 0818

Result Type: PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
PCB-1016		ND		0.039	0.20
PCB-1221		ND		0.039	0.20
PCB-1232		ND		0.039	0.20
PCB-1242		ND		0.039	0.20
PCB-1248		ND		0.039	0.20
PCB-1254		ND		0.094	0.20
PCB-1260		ND		0.094	0.20

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	101		60 - 154
DCB Decachlorobiphenyl	97		65 - 174

Analytical Data

Client: AECOM Technical Services Inc.

Job Number: 480-88271-1

Client Sample ID: CS-91 (SIDEWALL 5.5)

Lab Sample ID: 480-88271-1

Date Sampled: 10/01/2015 1300

Client Matrix: Solid

% Moisture: 14.0

Date Received: 10/01/2015 1650

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	480-266611	Instrument ID:	HP5890-12
Prep Method:	3550C	Prep Batch:	480-266559	Initial Weight/Volume:	+2.28 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	10/02/2015 1101			Injection Volume:	1 µL
Prep Date:	10/01/2015 2213			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
PCB-1016		ND		0.050	0.25
PCB-1221		ND		0.050	0.25
PCB-1232		ND		0.050	0.25
PCB-1242		ND		0.050	0.25
PCB-1248		ND		0.050	0.25
PCB-1254		ND		0.12	0.25
PCB-1260		ND		0.12	0.25

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	105		60 - 154
DCB Decachlorobiphenyl	102		65 - 174

Analytical Data

Client: AECOM Technical Services Inc.

Job Number: 480-88271-1

Client Sample ID: CS-92 (SIDEWALL 1.5)

Lab Sample ID: 480-88271-2

Date Sampled: 10/01/2015 1400

Client Matrix: Solid

% Moisture: 15.3

Date Received: 10/01/2015 1650

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method: 8082A

Analysis Batch: 480-266611

Instrument ID: HP5890-12

Prep Method: 3550C

Prep Batch: 480-266559

Initial Weight/Volume: +2.28 g

Dilution: 1.0

Final Weight/Volume: 10 mL

Analysis Date: 10/02/2015 1115

Injection Volume: 1 µL

Prep Date: 10/01/2015 2213

Result Type: PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
PCB-1016		ND		0.051	0.26
PCB-1221		ND		0.051	0.26
PCB-1232		ND		0.051	0.26
PCB-1242		ND		0.051	0.26
PCB-1248		ND		0.051	0.26
PCB-1254		ND		0.12	0.26
PCB-1260		ND		0.12	0.26

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	104		60 - 154
DCB Decachlorobiphenyl	103		65 - 174

Analytical Data

Client: AECOM Technical Services Inc.

Job Number: 480-88271-1

Client Sample ID: CS-93 (SIDEWALL 1.5)

Lab Sample ID: 480-88271-3

Date Sampled: 10/01/2015 1415

Client Matrix: Solid

% Moisture: 13.9

Date Received: 10/01/2015 1650

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	480-266611	Instrument ID:	HP5890-12
Prep Method:	3550C	Prep Batch:	480-266559	Initial Weight/Volume:	+2.17 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	10/02/2015 1130			Injection Volume:	1 uL
Prep Date:	10/01/2015 2213			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
PCB-1016		ND		0.052	0.27
PCB-1221		ND		0.052	0.27
PCB-1232		ND		0.052	0.27
PCB-1242		ND		0.052	0.27
PCB-1248		ND		0.052	0.27
PCB-1254		ND		0.13	0.27
PCB-1260		ND		0.13	0.27

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	106		60 - 154
DCB Decachlorobiphenyl	103		65 - 174

Analytical Data

Client: AECOM Technical Services Inc.

Job Number: 480-88271-1

Client Sample ID: CS-94 (SIDEWALL 1.5)

Lab Sample ID: 480-88271-4

Date Sampled: 10/01/2015 1420

Client Matrix: Solid

% Moisture: 14.8

Date Received: 10/01/2015 1650

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method: 8082A

Analysis Batch: 480-266611

Instrument ID: HP5890-12

Prep Method: 3550C

Prep Batch: 480-266559

Initial Weight/Volume: +2.31 g

Dilution: 1.0

Final Weight/Volume: 10 mL

Analysis Date: 10/02/2015 1145

Injection Volume: 1 uL

Prep Date: 10/01/2015 2213

Result Type: PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
PCB-1016		ND		0.050	0.25
PCB-1221		ND		0.050	0.25
PCB-1232		ND		0.050	0.25
PCB-1242		ND		0.050	0.25
PCB-1248		ND		0.050	0.25
PCB-1254		ND		0.12	0.25
PCB-1260		ND		0.12	0.25

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	107		60 - 154
DCB Decachlorobiphenyl	104		65 - 174

Analytical Data

Client: AECOM Technical Services Inc.

Job Number: 480-88271-1

Client Sample ID: CS-95 (SIDEWALL 1.5)

Lab Sample ID: 480-88271-5

Date Sampled: 10/01/2015 1425

Client Matrix: Solid

% Moisture: 16.7

Date Received: 10/01/2015 1650

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method: 8082A

Analysis Batch: 480-266611

Instrument ID: HP5890-12

Prep Method: 3550C

Prep Batch: 480-266559

Initial Weight/Volume: +2.10 g

Dilution: 1.0

Final Weight/Volume: 10 mL

Analysis Date: 10/02/2015 1200

Injection Volume: 1 uL

Prep Date: 10/01/2015 2213

Result Type: PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
PCB-1016		ND		0.056	0.29
PCB-1221		ND		0.056	0.29
PCB-1232		ND		0.056	0.29
PCB-1242		ND		0.056	0.29
PCB-1248		ND		0.056	0.29
PCB-1254		ND		0.13	0.29
PCB-1260		ND		0.13	0.29

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	108		60 - 154
DCB Decachlorobiphenyl	103		65 - 174

Analytical Data

Client: AECOM Technical Services Inc.

Job Number: 480-88271-1

Client Sample ID: CS-96 (SIDEWALL 12.0)

Lab Sample ID: 480-88271-6

Date Sampled: 10/01/2015 1549

Client Matrix: Solid

% Moisture: 13.5

Date Received: 10/01/2015 1650

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	480-266611	Instrument ID:	HP5890-12
Prep Method:	3550C	Prep Batch:	480-266559	Initial Weight/Volume:	+2.75 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	10/02/2015 1215			Injection Volume:	1 µL
Prep Date:	10/01/2015 2213			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
PCB-1016		ND		0.041	0.21
PCB-1221		ND		0.041	0.21
PCB-1232		ND		0.041	0.21
PCB-1242		ND		0.041	0.21
PCB-1248		ND		0.041	0.21
PCB-1254		ND		0.098	0.21
PCB-1260		ND		0.098	0.21

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	104		60 - 154
DCB Decachlorobiphenyl	103		65 - 174

Analytical Data

Client: AECOM Technical Services Inc.

Job Number: 480-88271-1

Client Sample ID: CS-97 (BOTTOM 12.0)

Lab Sample ID: 480-88271-7

Date Sampled: 10/01/2015 1555

Client Matrix: Solid

% Moisture: 15.8

Date Received: 10/01/2015 1650

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	480-266611	Instrument ID:	HP5890-12
Prep Method:	3550C	Prep Batch:	480-266559	Initial Weight/Volume:	+2.06 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	10/02/2015 1303			Injection Volume:	1 uL
Prep Date:	10/01/2015 2213			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
PCB-1016		ND		0.056	0.29
PCB-1221		ND		0.056	0.29
PCB-1232		ND		0.056	0.29
PCB-1242		ND		0.056	0.29
PCB-1248		ND		0.056	0.29
PCB-1254		ND		0.13	0.29
PCB-1260		ND		0.13	0.29

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	105		60 - 154
DCB Decachlorobiphenyl	103		65 - 174

Analytical Data

Client: AECOM Technical Services Inc.

Job Number: 480-88271-1

Client Sample ID: CS-98 (SIDEWALL 12.0)

Lab Sample ID: 480-88271-8

Date Sampled: 10/01/2015 1555

Client Matrix: Solid

% Moisture: 13.1

Date Received: 10/01/2015 1650

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	480-266611	Instrument ID:	HP5890-12
Prep Method:	3550C	Prep Batch:	480-266559	Initial Weight/Volume:	+2.54 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	10/02/2015 1318			Injection Volume:	1 µL
Prep Date:	10/01/2015 2213			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
PCB-1016		ND		0.044	0.23
PCB-1221		ND		0.044	0.23
PCB-1232		ND		0.044	0.23
PCB-1242		ND		0.044	0.23
PCB-1248		ND		0.044	0.23
PCB-1254		ND		0.11	0.23
PCB-1260		ND		0.11	0.23

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	108		60 - 154
DCB Decachlorobiphenyl	105		65 - 174

Analytical Data

Client: AECOM Technical Services Inc.

Job Number: 480-88271-1

Client Sample ID: CS-99 (SIDEWALL 12.0)

Lab Sample ID: 480-88271-9

Date Sampled: 10/01/2015 1605

Client Matrix: Solid

% Moisture: 13.6

Date Received: 10/01/2015 1650

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	480-266611	Instrument ID:	HP5890-12
Prep Method:	3550C	Prep Batch:	480-266559	Initial Weight/Volume:	+2.28 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	10/02/2015 1333			Injection Volume:	1 uL
Prep Date:	10/01/2015 2213			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
PCB-1016		ND		0.050	0.25
PCB-1221		ND		0.050	0.25
PCB-1232		ND		0.050	0.25
PCB-1242		ND		0.050	0.25
PCB-1248		ND		0.050	0.25
PCB-1254		ND		0.12	0.25
PCB-1260		ND		0.12	0.25

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	108		60 - 154
DCB Decachlorobiphenyl	104		65 - 174

Analytical Data

Client: AECOM Technical Services Inc.

Job Number: 480-88271-1

Client Sample ID: CS-100 (SIDEWALL 12.0)

Lab Sample ID: 480-88271-10

Date Sampled: 10/01/2015 1615

Client Matrix: Solid

% Moisture: 14.4

Date Received: 10/01/2015 1650

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method: 8082A

Analysis Batch: 480-266611

Instrument ID: HP5890-12

Prep Method: 3550C

Prep Batch: 480-266559

Initial Weight/Volume: +2.46 g

Dilution: 1.0

Final Weight/Volume: 10 mL

Analysis Date: 10/02/2015 1348

Injection Volume: 1 uL

Prep Date: 10/01/2015 2213

Result Type: PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
PCB-1016		ND		0.046	0.24
PCB-1221		ND		0.046	0.24
PCB-1232		ND		0.046	0.24
PCB-1242		ND		0.046	0.24
PCB-1248		ND		0.046	0.24
PCB-1254		ND		0.11	0.24
PCB-1260		ND		0.11	0.24

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	108		60 - 154
DCB Decachlorobiphenyl	105		65 - 174

Analytical Data

Client: AECOM Technical Services Inc.

Job Number: 480-88271-1

Client Sample ID: CS-101 (SIDEWALL 5.0)

Lab Sample ID: 480-88271-11

Date Sampled: 10/01/2015 1620

Client Matrix: Solid

% Moisture: 14.0

Date Received: 10/01/2015 1650

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	480-266611	Instrument ID:	HP5890-12
Prep Method:	3550C	Prep Batch:	480-266559	Initial Weight/Volume:	+2.41 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	10/02/2015 1403			Injection Volume:	1 uL
Prep Date:	10/01/2015 2213			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
PCB-1016		ND		0.047	0.24
PCB-1221		ND		0.047	0.24
PCB-1232		ND		0.047	0.24
PCB-1242		ND		0.047	0.24
PCB-1248		ND		0.047	0.24
PCB-1254		ND		0.11	0.24
PCB-1260		ND		0.11	0.24

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	110		60 - 154
DCB Decachlorobiphenyl	108		65 - 174

Analytical Data

Client: AECOM Technical Services Inc.

Job Number: 480-88355-1

Client Sample ID: CS-102 (SIDEWALL 2.5)

Lab Sample ID: 480-88355-1

Date Sampled: 10/02/2015 1719

Client Matrix: Solid

% Moisture: 21.9

Date Received: 10/02/2015 1835

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	480-266999	Instrument ID:	HP5890-12
Prep Method:	3550C	Prep Batch:	480-266901	Initial Weight/Volume:	+2.88 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	10/05/2015 1600			Injection Volume:	1 µL
Prep Date:	10/05/2015 0826			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
PCB-1016		ND		0.043	0.22
PCB-1221		ND		0.043	0.22
PCB-1232		ND		0.043	0.22
PCB-1242		ND		0.043	0.22
PCB-1248		ND		0.043	0.22
PCB-1254		ND		0.10	0.22
PCB-1260		ND		0.10	0.22

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	96		60 - 154
DCB Decachlorobiphenyl	87		65 - 174

Analytical Data

Client: AECOM Technical Services Inc.

Job Number: 480-88355-1

Client Sample ID: CS-103 (SIDEWALL 5.0)

Lab Sample ID: 480-88355-2

Client Matrix: Solid

% Moisture: 15.8

Date Sampled: 10/02/2015 1725

Date Received: 10/02/2015 1835

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	480-266999	Instrument ID:	HP5890-12
Prep Method:	3550C	Prep Batch:	480-266901	Initial Weight/Volume:	+2.76 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	10/05/2015 1615			Injection Volume:	1 µL
Prep Date:	10/05/2015 0826			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
PCB-1016		0.044	N J	0.042	0.22
PCB-1221		ND		0.042	0.22
PCB-1232		ND		0.042	0.22
PCB-1242		ND		0.042	0.22
PCB-1248		ND		0.042	0.22
PCB-1254		ND		0.10	0.22
PCB-1260		1.2		0.10	0.22

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	105		60 - 154
DCB Decachlorobiphenyl	99		65 - 174

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Analytical Data

Client: AECOM Technical Services Inc.

Job Number: 480-88492-1

Client Sample ID: CS-104 (Bottom 1.5)

Lab Sample ID: 480-88492-1

Date Sampled: 10/06/2015 1040

Client Matrix: Solid

% Moisture: 17.3

Date Received: 10/06/2015 1515

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method: 8082A

Analysis Batch: 480-267384

Instrument ID: HP5890-12

Prep Method: 3550C

Prep Batch: 480-267298

Initial Weight/Volume: +2.85 g

Dilution: 1.0

Final Weight/Volume: 10 mL

Analysis Date: 10/07/2015 1154

Injection Volume: 1 µL

Prep Date: 10/06/2015 2225

Result Type: PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
PCB-1016		ND		0.041	0.21
PCB-1221		ND		0.041	0.21
PCB-1232		ND		0.041	0.21
PCB-1242		ND		0.041	0.21
PCB-1248		ND		0.041	0.21
PCB-1254		ND		0.099	0.21
PCB-1260		ND		0.099	0.21

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	106		60 - 154
DCB Decachlorobiphenyl	95		65 - 174

Analytical Data

Client: AECOM Technical Services Inc.

Job Number: 480-88492-2

Client Sample ID: CS-107 (Bottom 1.5)

Lab Sample ID: 480-88492-2

Date Sampled: 10/06/2015 1115

Client Matrix: Solid

% Moisture: 13.7

Date Received: 10/06/2015 1515

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	480-267460	Instrument ID:	HP6890-7
Prep Method:	3550C	Prep Batch:	480-267330	Initial Weight/Volume:	+2.49 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	10/07/2015 1913			Injection Volume:	1 uL
Prep Date:	10/07/2015 0749			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
PCB-1016		ND		0.046	0.23
PCB-1221		ND		0.046	0.23
PCB-1232		ND		0.046	0.23
PCB-1242		ND		0.046	0.23
PCB-1248		ND		0.046	0.23
PCB-1254		ND		0.11	0.23
PCB-1260		ND		0.11	0.23

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	108		60 - 154
DCB Decachlorobiphenyl	105		65 - 174

Analytical Data

Client: AECOM Technical Services Inc.

Job Number: 480-88492-2

Client Sample ID: CS-109 (Sidewall 1.0)

Lab Sample ID: 480-88492-3

Date Sampled: 10/06/2015 1135

Client Matrix: Solid

% Moisture: 15.2

Date Received: 10/06/2015 1515

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method: 8082A

Analysis Batch: 480-267460

Instrument ID: HP6890-7

Prep Method: 3550C

Prep Batch: 480-267330

Initial Weight/Volume: +2.33 g

Dilution: 2.0

Final Weight/Volume: 10 mL

Analysis Date: 10/07/2015 1929

Injection Volume: 1 µL

Prep Date: 10/07/2015 0749

Result Type: PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
PCB-1016		ND		0.099	0.51
PCB-1221		ND		0.099	0.51
PCB-1232		ND		0.099	0.51
PCB-1242		ND		0.099	0.51
PCB-1248		ND		0.099	0.51
PCB-1254		ND		0.24	0.51
PCB-1260		10		0.24	0.51

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	110		60 - 154
DCB Decachlorobiphenyl	113		65 - 174

Analytical Data

Client: AECOM Technical Services Inc.

Job Number: 480-88931-1

Client Sample ID: CS-109A (SIDEWALL 2.0)

Lab Sample ID: 480-88931-1

Date Sampled: 10/12/2015 1620

Client Matrix: Solid

% Moisture: 23.2

Date Received: 10/12/2015 1812

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	480-268778	Instrument ID:	HP5890-12
Prep Method:	3550C	Prep Batch:	480-268652	Initial Weight/Volume:	+2.44 g
Dilution:	10			Final Weight/Volume:	10 mL
Analysis Date:	10/14/2015 1540			Injection Volume:	1 µL
Prep Date:	10/14/2015 0807			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
PCB-1016		ND		0.52	2.7
PCB-1221		ND		0.52	2.7
PCB-1232		ND		0.52	2.7
PCB-1242		ND		0.52	2.7
PCB-1248		ND		0.52	2.7
PCB-1254		ND		1.2	2.7
PCB-1260		17		1.2	2.7

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	121		60 - 154
DCB Decachlorobiphenyl	118		65 - 174

Analytical Data

Client: AECOM Technical Services Inc.

Job Number: 480-89281-1

Client Sample ID: CS-109B(SIDEWALL 3.0)

Lab Sample ID: 480-89281-1

Date Sampled: 10/16/2015 0930

Client Matrix: Solid

% Moisture: 21.0

Date Received: 10/16/2015 1035

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	480-269252	Instrument ID:	HP5890-12
Prep Method:	3550C	Prep Batch:	480-269223	Initial Weight/Volume:	+2.28 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	10/16/2015 1718			Injection Volume:	1 µL
Prep Date:	10/16/2015 1132			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
PCB-1016		ND		0.054	0.28
PCB-1221		ND		0.054	0.28
PCB-1232		ND		0.054	0.28
PCB-1242		ND		0.054	0.28
PCB-1248		ND		0.054	0.28
PCB-1254		ND		0.13	0.28
PCB-1260		ND		0.13	0.28

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	96		60 - 154
DCB Decachlorobiphenyl	98		65 - 174

Analytical Data

Client: AECOM Technical Services Inc.

Job Number: 480-88492-2

Client Sample ID: CS-110 (Bottom 1.5)

Lab Sample ID: 480-88492-4

Date Sampled: 10/06/2015 1140

Client Matrix: Solid

% Moisture: 16.7

Date Received: 10/06/2015 1515

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	480-267460	Instrument ID:	HP6890-7
Prep Method:	3550C	Prep Batch:	480-267330	Initial Weight/Volume:	+2.59 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	10/07/2015 1945			Injection Volume:	1 uL
Prep Date:	10/07/2015 0749			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
PCB-1016		ND		0.045	0.23
PCB-1221		ND		0.045	0.23
PCB-1232		ND		0.045	0.23
PCB-1242		ND		0.045	0.23
PCB-1248		ND		0.045	0.23
PCB-1254		ND		0.11	0.23
PCB-1260		ND		0.11	0.23

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	107		60 - 154
DCB Decachlorobiphenyl	104		65 - 174

Analytical Data

Client: AECOM Technical Services Inc.

Job Number: 480-88492-1

Client Sample ID: CS-113 (Bottom 1.5)

Lab Sample ID: 480-88492-5

Client Matrix: Solid

% Moisture: 14.6

Date Sampled: 10/06/2015 1230

Date Received: 10/06/2015 1515

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method: 8082A

Analysis Batch: 480-267384

Instrument ID: HP5890-12

Prep Method: 3550C

Prep Batch: 480-267298

Initial Weight/Volume: +2.41 g

Dilution: 1.0

Analysis Date: 10/07/2015 1209

Final Weight/Volume: 10 mL

Prep Date: 10/06/2015 2225

Injection Volume: 1 uL

Result Type: PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
PCB-1016		ND		0.048	0.24
PCB-1221		ND		0.048	0.24
PCB-1232		ND		0.048	0.24
PCB-1242		ND		0.048	0.24
PCB-1248		ND		0.048	0.24
PCB-1254		ND		0.048	0.24
PCB-1260		ND		0.11	0.24
				0.11	0.24
Surrogate		%Rec	Qualifier	Acceptance Limits	
Tetrachloro-m-xylene		111		60 - 154	
DCB Decachlorobiphenyl		105		65 - 174	

Analytical Data

Client: AECOM Technical Services Inc.

Job Number: 480-88492-2

Client Sample ID: CS-114 (Sidewall 2.0)

Lab Sample ID: 480-88492-6

Date Sampled: 10/06/2015 1240

Client Matrix: Solid

% Moisture: 4.2

Date Received: 10/06/2015 1515

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	480-267460	Instrument ID:	HP6890-7
Prep Method:	3550C	Prep Batch:	480-267330	Initial Weight/Volume:	+2.10 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	10/07/2015 2001			Injection Volume:	1 µL
Prep Date:	10/07/2015 0749			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
PCB-1016		ND		0.049	0.25
PCB-1221		ND		0.049	0.25
PCB-1232		ND		0.049	0.25
PCB-1242		ND		0.049	0.25
PCB-1248		ND		0.049	0.25
PCB-1254		ND		0.12	0.25
PCB-1260		0.20	J	0.12	0.25

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	110		60 - 154
DCB Decachlorobiphenyl	109		65 - 174

Analytical Data

Client: AECOM Technical Services Inc.

Job Number: 480-88492-2

Client Sample ID: CS-115 (Sidewall 2.0)

Lab Sample ID: 480-88492-7

Date Sampled: 10/06/2015 1245

Client Matrix: Solid

% Moisture: 4.5

Date Received: 10/06/2015 1515

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	480-267460	Instrument ID:	HP6890-7
Prep Method:	3550C	Prep Batch:	480-267330	Initial Weight/Volume:	+2.31 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	10/07/2015 2017			Injection Volume:	1 uL
Prep Date:	10/07/2015 0749			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
PCB-1016		ND		0.044	0.23
PCB-1221		ND		0.044	0.23
PCB-1232		ND		0.044	0.23
PCB-1242		ND		0.044	0.23
PCB-1248		ND		0.044	0.23
PCB-1254		ND		0.11	0.23
PCB-1260		ND		0.11	0.23

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	110		60 - 154
DCB Decachlorobiphenyl	110		65 - 174

Analytical Data

Client: AECOM Technical Services Inc.

Job Number: 480-88611-1

Client Sample ID: CS-117 (SIDEWALL 0.5)

Lab Sample ID: 480-88611-1

Date Sampled: 10/07/2015 1327

Client Matrix: Solid

% Moisture: 13.5

Date Received: 10/07/2015 1744

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	480-267573	Instrument ID:	HP6890-7
Prep Method:	3550C	Prep Batch:	480-267543	Initial Weight/Volume:	+2.85 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	10/08/2015 0937			Injection Volume:	1 uL
Prep Date:	10/07/2015 2307			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
PCB-1016		ND		0.040	0.20
PCB-1221		ND		0.040	0.20
PCB-1232		ND		0.040	0.20
PCB-1242		ND		0.040	0.20
PCB-1248		ND		0.040	0.20
PCB-1254		ND		0.095	0.20
PCB-1260		0.11	J	0.095	0.20

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	104		60 - 154
DCB Decachlorobiphenyl	103		65 - 174

Analytical Data

Client: AECOM Technical Services Inc.

Job Number: 480-88611-2

Client Sample ID: CS-118 (SIDEWALL 2.5)

Lab Sample ID: 480-88611-2

Date Sampled: 10/07/2015 1650

Client Matrix: Solid

% Moisture: 16.0

Date Received: 10/07/2015 1744

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	480-267573	Instrument ID:	HP6890-7
Prep Method:	3550C	Prep Batch:	480-267543	Initial Weight/Volume:	+2.32 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	10/08/2015 0953			Injection Volume:	1 uL
Prep Date:	10/07/2015 2307			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
PCB-1016		ND		0.050	0.26
PCB-1221		ND		0.050	0.26
PCB-1232		ND		0.050	0.26
PCB-1242		ND		0.050	0.26
PCB-1248		ND		0.050	0.26
PCB-1254		ND		0.12	0.26
PCB-1260		1.1		0.12	0.26

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	105		60 - 154
DCB Decachlorobiphenyl	104		65 - 174

Analytical Data

Client: AECOM Technical Services Inc.

Job Number: 480-88931-1

Client Sample ID: CS-118A (SIDEWALL 4.0)

Lab Sample ID: 480-88931-3

Date Sampled: 10/12/2015 1728

Client Matrix: Solid

% Moisture: 21.5

Date Received: 10/12/2015 1812

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	480-268778	Instrument ID:	HP5890-12
Prep Method:	3550C	Prep Batch:	480-268652	Initial Weight/Volume:	+2.61 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	10/14/2015 1610			Injection Volume:	1 uL
Prep Date:	10/14/2015 0807			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
PCB-1016		ND		0.048	0.24
PCB-1221		ND		0.048	0.24
PCB-1232		ND		0.048	0.24
PCB-1242		ND		0.048	0.24
PCB-1248		ND		0.11	0.24
PCB-1254		ND		0.11	0.24
PCB-1260		0.39		0.11	0.24

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	110		60 - 154
DCB Decachlorobiphenyl	102		65 - 174

Analytical Data

Client: AECOM Technical Services Inc.

Job Number: 480-88611-2

Client Sample ID: CS-119 (BOTTOM 2.0)

Lab Sample ID: 480-88611-3

Date Sampled: 10/07/2015 1705

Client Matrix: Solid

% Moisture: 20.8

Date Received: 10/07/2015 1744

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	480-267573	Instrument ID:	HP6890-7
Prep Method:	3550C	Prep Batch:	480-267543	Initial Weight/Volume:	+2.55 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	10/08/2015 1008			Injection Volume:	1 uL
Prep Date:	10/07/2015 2307			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
PCB-1016		ND		0.048	0.25
PCB-1221		ND		0.048	0.25
PCB-1232		ND		0.048	0.25
PCB-1242		ND		0.048	0.25
PCB-1248		ND		0.048	0.25
PCB-1254		ND		0.12	0.25
PCB-1260		3.2		0.12	0.25

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	103		60 - 154
DCB Decachlorobiphenyl	103		65 - 174

Analytical Data

Client: AECOM Technical Services Inc.

Job Number: 480-88931-1

Client Sample ID: CS-119A (BOTTOM 3.0)

Lab Sample ID: 480-88931-2

Date Sampled: 10/12/2015 1640

Client Matrix: Solid

% Moisture: 20.6

Date Received: 10/12/2015 1812

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	480-268778	Instrument ID:	HP5890-12
Prep Method:	3550C	Prep Batch:	480-268652	Initial Weight/Volume:	+2.41 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	10/14/2015 1555			Injection Volume:	1 uL
Prep Date:	10/14/2015 0807			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
PCB-1016		ND		0.051	0.26
PCB-1221		ND		0.051	0.26
PCB-1232		ND		0.051	0.26
PCB-1242		ND		0.051	0.26
PCB-1248		ND		0.051	0.26
PCB-1254		ND		0.12	0.26
PCB-1260		0.14	NJ	0.12	0.26

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	108		60 - 154
DCB Decachlorobiphenyl	114		65 - 174

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Analytical Data

Client: AECOM Technical Services Inc.

Job Number: 480-88860-1

Client Sample ID: CS-120 (BOTTOM 1.0)

Lab Sample ID: 480-88860-1

Date Sampled: 10/09/2015 1415

Client Matrix: Solid

% Moisture: 17.4

Date Received: 10/09/2015 1650

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	480-268269	Instrument ID:	HP5890-12
Prep Method:	3550C	Prep Batch:	480-268183	Initial Weight/Volume:	+2.46 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	10/12/2015 1521			Injection Volume:	1 uL
Prep Date:	10/12/2015 0818			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
PCB-1016		ND		0.048	0.25
PCB-1221		ND		0.048	0.25
PCB-1232		ND		0.048	0.25
PCB-1242		ND		0.048	0.25
PCB-1248		ND		0.048	0.25
PCB-1254		ND		0.12	0.25
PCB-1260		0.14	J	0.12	0.25

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	94		60 - 154
DCB Decachlorobiphenyl	87		65 - 174

Analytical Data

Client: AECOM Technical Services Inc.

Job Number: 480-88860-1

Client Sample ID: 20151009-FD-1 **CS-120 (Bottom 1.0)**

Lab Sample ID: 480-88860-2

Date Sampled: 10/09/2015 0000

Client Matrix: Solid

% Moisture: 17.7

Date Received: 10/09/2015 1650

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	480-268269	Instrument ID:	HP5890-12
Prep Method:	3550C	Prep Batch:	480-268183	Initial Weight/Volume:	+2.23 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	10/12/2015 1536			Injection Volume:	1 uL
Prep Date:	10/12/2015 0818			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
PCB-1016		ND		0.053	0.27
PCB-1221		ND		0.053	0.27
PCB-1232		ND		0.053	0.27
PCB-1242		ND		0.053	0.27
PCB-1248		ND		0.053	0.27
PCB-1254		ND		0.13	0.27
PCB-1260		ND		0.13	0.27

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	100		60 - 154
DCB Decachlorobiphenyl	91		65 - 174

Analytical Data

Client: AECOM Technical Services Inc.

Job Number: 480-88860-2

Client Sample ID: CS-121 (BOTTOM 1,5)

Lab Sample ID: 480-88860-3

Date Sampled: 10/09/2015 1420

Client Matrix: Solid

% Moisture: 19.3

Date Received: 10/09/2015 1650

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	480-268269	Instrument ID:	HP5890-12
Prep Method:	3550C	Prep Batch:	480-268183	Initial Weight/Volume:	+2.76 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	10/12/2015 1551			Injection Volume:	1 uL
Prep Date:	10/12/2015 0818			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
PCB-1016		ND		0.044	0.22
PCB-1221		ND		0.044	0.22
PCB-1232		ND		0.044	0.22
PCB-1242		ND		0.044	0.22
PCB-1248		ND		0.044	0.22
PCB-1254		ND		0.11	0.22
PCB-1260		ND		0.11	0.22

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	96		60 - 154
DCB Decachlorobiphenyl	90		65 - 174

Analytical Data

Client: AECOM Technical Services Inc.

Job Number: 480-88990-1

Client Sample ID: CS-128 (BOTTOM 2.0)

Lab Sample ID: 480-88990-2

Date Sampled: 10/13/2015 1305

Client Matrix: Solid

% Moisture: 13.0

Date Received: 10/13/2015 1555

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method: 8082A

Analysis Batch: 480-268719

Instrument ID: HP6890-7

Prep Method: 3550C

Prep Batch: 480-268651

Initial Weight/Volume: +2.52 g

Dilution: 1.0

Final Weight/Volume: 10 mL

Analysis Date: 10/14/2015 1601

Injection Volume: 1 uL

Prep Date: 10/14/2015 0802

Result Type: PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
PCB-1016		ND		0.045	0.23
PCB-1221		ND		0.045	0.23
PCB-1232		ND		0.045	0.23
PCB-1242		ND		0.045	0.23
PCB-1248		ND		0.045	0.23
PCB-1254		ND		0.11	0.23
PCB-1260		ND		0.11	0.23

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	108		60 - 154
DCB Decachlorobiphenyl	105		65 - 174

Analytical Data

Client: AECOM Technical Services Inc.

Job Number: 480-88990-1

Client Sample ID: CS-129 (SIDEWALL 0.5)

Lab Sample ID: 480-88990-3

Date Sampled: 10/13/2015 1307

Client Matrix: Solid

% Moisture: 19.7

Date Received: 10/13/2015 1555

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method: 8082A

Analysis Batch: 480-268719

Instrument ID: HP6890-7

Prep Method: 3550C

Prep Batch: 480-268651

Initial Weight/Volume: +2.55 g

Dilution: 1.0

Final Weight/Volume: 10 mL

Analysis Date: 10/14/2015 1617

Injection Volume: 1 uL

Prep Date: 10/14/2015 0802

Result Type: PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
PCB-1016		ND		0.048	0.24
PCB-1221		ND		0.048	0.24
PCB-1232		ND		0.048	0.24
PCB-1242		ND		0.048	0.24
PCB-1248		ND		0.048	0.24
PCB-1254		ND		0.11	0.24
PCB-1260		ND		0.11	0.24

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	106		60 - 154
DCB Decachlorobiphenyl	103		65 - 174

Analytical Data

Client: AECOM Technical Services Inc.

Job Number: 480-88990-1

Client Sample ID: CS-130 (SIDEWALL 0.5)

Lab Sample ID: 480-88990-4

Date Sampled: 10/13/2015 1315

Client Matrix: Solid

% Moisture: 20.7

Date Received: 10/13/2015 1555

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method: 8082A

Analysis Batch: 480-268719

Instrument ID: HP6890-7

Prep Method: 3550C

Prep Batch: 480-268651

Initial Weight/Volume: +2.18 g

Dilution: 1.0

Final Weight/Volume: 10 mL

Analysis Date: 10/14/2015 1633

Injection Volume: 1 uL

Prep Date: 10/14/2015 0802

Result Type: PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
PCB-1016		ND		0.057	0.29
PCB-1221		ND		0.057	0.29
PCB-1232		ND		0.057	0.29
PCB-1242		ND		0.057	0.29
PCB-1248		ND		0.057	0.29
PCB-1254		ND		0.14	0.29
PCB-1260		ND		0.14	0.29

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	106		60 - 154
DCB Decachlorobiphenyl	106		65 - 174

Analytical Data

Client: AECOM Technical Services Inc.

Job Number: 480-88990-1

Client Sample ID: CS-134 (SIDEWALL 0.5)

Lab Sample ID: 480-88990-5

Date Sampled: 10/13/2015 1355

Client Matrix: Solid

% Moisture: 18.5

Date Received: 10/13/2015 1555

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method: 8082A

Analysis Batch: 480-268719

Instrument ID: HP6890-7

Prep Method: 3550C

Prep Batch: 480-268651

Initial Weight/Volume: +2.38 g

Dilution: 1.0

Final Weight/Volume: 10 mL

Analysis Date: 10/14/2015 1649

Injection Volume: 1 uL

Prep Date: 10/14/2015 0802

Result Type: PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
PCB-1016		ND		0.050	0.26
PCB-1221		ND		0.050	0.26
PCB-1232		ND		0.050	0.26
PCB-1242		0.20 ND	J	0.050	0.26
PCB-1248		ND		0.050	0.26
PCB-1254		ND		0.12	0.26
PCB-1260		0.87		0.12	0.26

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	107		60 - 154
DCB Decachlorobiphenyl	104		65 - 174

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Analytical Data

Client: AECOM Technical Services Inc.

Job Number: 480-88990-1

Client Sample ID: CS-138 (SIDEWALL 0.5)

Lab Sample ID: 480-88990-6

Client Matrix: Solid

% Moisture: 28.5

Date Sampled: 10/13/2015 1420

Date Received: 10/13/2015 1555

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method: 8082A

Prep Method: 3550C

Dilution: 1.0

Analysis Date: 10/14/2015 1705

Prep Date: 10/14/2015 0802

Analysis Batch: 480-268719

Prep Batch: 480-268651

Instrument ID: HP6890-7

Initial Weight/Volume: +2.72 g

Final Weight/Volume: 10 mL

Injection Volume: 1 uL

Result Type: PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
PCB-1016		ND		0.050	0.26
PCB-1221		ND		0.050	0.26
PCB-1232		ND		0.050	0.26
PCB-1242		ND		0.050	0.26
PCB-1248		ND		0.050	0.26
PCB-1254		0.34		0.12	0.26
PCB-1260		0.20	J	0.12	0.26

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	100		60 - 154
DCB Decachlorobiphenyl	95		65 - 174

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Analytical Data

Client: AECOM Technical Services Inc.

Job Number: 480-88990-2

Client Sample ID: CS-127 (SIDEWALL 0.5)

Lab Sample ID: 480-88990-1

Date Sampled: 10/13/2015 1300

Client Matrix: Solid

% Moisture: 12.1

Date Received: 10/13/2015 1555

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	480-268719	Instrument ID:	HP6890-7
Prep Method:	3550C	Prep Batch:	480-268651	Initial Weight/Volume:	+2.56 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	10/14/2015 1410			Injection Volume:	1 uL
Prep Date:	10/14/2015 0802			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
PCB-1016		ND		0.043	0.22
PCB-1221		ND		0.043	0.22
PCB-1232		ND		0.043	0.22
PCB-1242		ND		0.043	0.22
PCB-1248		ND		0.10	0.22
PCB-1254		ND		0.10	0.22
PCB-1260		ND			

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	106		60 - 154
DCB Decachlorobiphenyl	104		65 - 174

Analytical Data

Client: AECOM Technical Services Inc.

Job Number: 480-89241-1

Client Sample ID: CS-146 (SIDEWALL 0.5)

Lab Sample ID: 480-89241-1

Date Sampled: 10/15/2015 1610

Client Matrix: Solid

% Moisture: 20.2

Date Received: 10/15/2015 1750

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method: 8082A

Analysis Batch: 480-269215

Instrument ID: HP6890-7

Prep Method: 3550C

Prep Batch: 480-269148

Initial Weight/Volume: +2.14 g

Dilution: 1.0

Final Weight/Volume: 10 mL

Analysis Date: 10/16/2015 1333

Injection Volume: 1 uL

Prep Date: 10/16/2015 0813

Result Type: PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
PCB-1016		ND		0.057	0.29
PCB-1221		ND		0.057	0.29
PCB-1232		ND		0.057	0.29
PCB-1242		ND		0.057	0.29
PCB-1248		0.19	J	0.057	0.29
PCB-1254		ND		0.14	0.29
PCB-1260		2.7		0.14	0.29

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	91		60 - 154
DCB Decachlorobiphenyl	90		65 - 174

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no

Analytical Data

Client: AECOM Technical Services Inc.

Job Number: 480-87854-2

Client Sample ID: RWTEXC.-8.0

Lab Sample ID: 480-87854-9

Client Matrix: Solid

% Moisture: 5.2

Date Sampled: 09/24/2015 1445

Date Received: 09/24/2015 1525

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	480-265589	Instrument ID:	HP6890-7
Prep Method:	3550C	Prep Batch:	480-265490	Initial Weight/Volume:	+2.46 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	09/25/2015 1957			Injection Volume:	1 uL
Prep Date:	09/25/2015 0841			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
PCB-1016		ND		0.042	0.21
PCB-1221		ND		0.042	0.21
PCB-1232		ND		0.042	0.21
PCB-1242		0.19	J	0.042	0.21
PCB-1248		ND		0.042	0.21
PCB-1254		ND		0.10	0.21
PCB-1260		1.3		0.10	0.21
Surrogate		%Rec	Qualifier	Acceptance Limits	
Tetrachloro-m-xylene		93		60 - 154	
DCB Decachlorobiphenyl		96		65 - 174	

Analytical Data

Client: AECOM Technical Services Inc.

Job Number: 480-87854-2

Client Sample ID: RWTEXC.-10.5

Lab Sample ID: 480-87854-10

Client Matrix: Solid

% Moisture: 7.2

Date Sampled: 09/24/2015 1448

Date Received: 09/24/2015 1525

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	480-265589	Instrument ID:	HP6890-7
Prep Method:	3550C	Prep Batch:	480-265490	Initial Weight/Volume:	+2.26 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	09/25/2015 2013			Injection Volume:	1 uL
Prep Date:	09/25/2015 0841			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
PCB-1016		ND		0.047	0.24
PCB-1221		ND		0.047	0.24
PCB-1232		ND		0.047	0.24
PCB-1242		ND		0.047	0.24
PCB-1248		ND		0.11	0.24
PCB-1254		ND		0.11	0.24
PCB-1260		0.13	J	0.11	0.24

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	98		60 - 154
DCB Decachlorobiphenyl	103		65 - 174

Analytical Data

Client: AECOM Technical Services Inc.

Job Number: 480-86459-1

Client Sample ID: 20150901-RB-1

Lab Sample ID: 480-86459-13

Client Matrix: Water

Date Sampled: 09/01/2015 1545

Date Received: 09/01/2015 1702

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	480-261839	Instrument ID:	HP5890-12
Prep Method:	3510C	Prep Batch:	480-261686	Initial Weight/Volume:	265.6 mL
Dilution:	1.0			Final Weight/Volume:	2 mL
Analysis Date:	09/03/2015 1348			Injection Volume:	1 uL
Prep Date:	09/02/2015 1501			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
PCB-1016	ND		0.17	0.47
PCB-1221	ND		0.17	0.47
PCB-1232	ND		0.17	0.47
PCB-1242	ND		0.17	0.47
PCB-1248	ND		0.17	0.47
PCB-1254	ND		0.24	0.47
PCB-1260	ND		0.24	0.47

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	69		24 - 137
DCB Decachlorobiphenyl	48		19 - 125

Analytical Data

Client: AECOM Technical Services Inc.

Job Number: 480-86925-1

Client Sample ID: 20150909-RB-1

Date Sampled: 09/09/2015 1220

Lab Sample ID: 480-86925-6

Date Received: 09/09/2015 1345

Client Matrix: Water

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	480-263040	Instrument ID:	HP6890-7
Prep Method:	3510C	Prep Batch:	480-262898	Initial Weight/Volume:	268.7 mL
Dilution:	1.0			Final Weight/Volume:	2 mL
Analysis Date:	09/11/2015 1044			Injection Volume:	1 uL
Prep Date:	09/10/2015 1408			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
PCB-1016	ND		0.16	0.47
PCB-1221	ND		0.16	0.47
PCB-1232	ND		0.16	0.47
PCB-1242	ND		0.16	0.47
PCB-1248	ND		0.23	0.47
PCB-1254	ND		0.23	0.47
PCB-1260	ND			

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	69		24 - 137
DCB Decachlorobiphenyl	43		19 - 125

Analytical Data

Client: AECOM Technical Services Inc.

Job Number: 480-87764-1

Client Sample ID: 20190923-RB-1

Lab Sample ID: 480-87764-18

Client Matrix: Water

Date Sampled: 09/23/2015 1345

Date Received: 09/23/2015 1440

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	480-265530	Instrument ID:	HP5890-12
Prep Method:	3510C	Prep Batch:	480-265375	Initial Weight/Volume:	260.9 mL
Dilution:	1.0			Final Weight/Volume:	2 mL
Analysis Date:	09/25/2015 1312			Injection Volume:	1 uL
Prep Date:	09/24/2015 1502			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
PCB-1016	ND		0.17	0.48
PCB-1221	ND		0.17	0.48
PCB-1232	ND		0.17	0.48
PCB-1242	ND		0.17	0.48
PCB-1248	ND		0.17	0.48
PCB-1254	ND		0.24	0.48
PCB-1260	ND		0.24	0.48

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	75		24 - 137
DCB Decachlorobiphenyl	52		19 - 125

Analytical Data

Client: AECOM Technical Services Inc.

Job Number: 480-88151-3

Client Sample ID: 20150930-RB-1

Lab Sample ID: 480-88151-3

Client Matrix: Water

Date Sampled: 09/30/2015 1645

Date Received: 09/30/2015 1800

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method: 8082A
Prep Method: 3510C
Dilution: 1.0
Analysis Date: 10/02/2015 1806
Prep Date: 10/02/2015 0939

Analysis Batch: 480-266716
Prep Batch: 480-266633

Instrument ID: HP6890-7
Initial Weight/Volume: 266.7 mL
Final Weight/Volume: 2 mL
Injection Volume: 1 uL
Result Type: PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
PCB-1016	ND		0.16	0.47
PCB-1221	ND		0.16	0.47
PCB-1232	ND		0.16	0.47
PCB-1242	ND		0.16	0.47
PCB-1248	ND		0.16	0.47
PCB-1254	ND		0.23	0.47
PCB-1260	ND		0.23	0.47

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	78		24 - 137
DCB Decachlorobiphenyl	75		19 - 125

Analytical Data

Client: AECOM Technical Services Inc.

Job Number: 480-88860-1

Client Sample ID: 20151009-RB-1

Lab Sample ID: 480-88860-4

Client Matrix: Water

Date Sampled: 10/09/2015 1600

Date Received: 10/09/2015 1650

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method: 8082A
Prep Method: 3510C
Dilution: 1.0
Analysis Date: 10/13/2015 2313
Prep Date: 10/13/2015 0903

Analysis Batch: 480-268582
Prep Batch: 480-268418

Instrument ID: HP6890-7
Initial Weight/Volume: 271.9 mL
Final Weight/Volume: 2 mL
Injection Volume: 1 uL
Result Type: PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
PCB-1016	ND		0.16	0.46
PCB-1221	ND		0.16	0.46
PCB-1232	ND		0.16	0.46
PCB-1242	ND		0.16	0.46
PCB-1248	ND		0.16	0.46
PCB-1254	ND		0.23	0.46
PCB-1260	ND		0.23	0.46

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	50		24 - 137
DCB Decachlorobiphenyl	63		19 - 125

Analytical Data

Client: AECOM Technical Services Inc.

Job Number: 480-88990-1

Client Sample ID: 20151013-RB-1

Lab Sample ID: 480-88990-7

Client Matrix: Water

Date Sampled: 10/13/2015 1515

Date Received: 10/13/2015 1555

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method: 8082A
Prep Method: 3510C
Dilution: 1.0
Analysis Date: 10/15/2015 0427
Prep Date: 10/14/2015 1143

Analysis Batch: 480-268834
Prep Batch: 480-268653

Instrument ID: HP6890-7
Initial Weight/Volume: 264.3 mL
Final Weight/Volume: 2 mL
Injection Volume: 1 uL
Result Type: PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
PCB-1016	ND		0.17	0.47
PCB-1221	ND		0.17	0.47
PCB-1232	ND		0.17	0.47
PCB-1242	ND		0.17	0.47
PCB-1248	ND		0.17	0.47
PCB-1254	ND		0.24	0.47
PCB-1260	ND		0.24	0.47

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	77		24 - 137
DCB Decachlorobiphenyl	54		19 - 125

ATTACHMENT B
SUPPORT DOCUMENTATION

GE

CHAIN OF CUSTODY RECORD

PROJECT NO.

SITE NAME

GE TONAWANDA

SAMPLERS (PRINT/SIGNATURE)

John Boyd

DELIVERY SERVICE:

AIRBILL NO.:

LOCATION IDENTIFIER

DATE

TIME

COMP/GRAB

SAMPLE ID

MATRIX

TOTAL NO. # OF CONTAINERS

TOTAL RBS

4029/MS

None

CS-3 (SINCE 015) SO

COAB

0815

8/20/15

AECOM

LAB TEST AMERICA

COOLER 1 of 1

PAGE 1 of 1

REMARKS

SAMPLE TYPE

DEPTH (IN FEET)

ENDING DEPTH (IN FEET)

FIELD LOT NO. # (RPMs ONLY)

N

0.5

AS

WQ - OCEAN WATER
WS - SURFACE WATER
WQ - WATER FIELD QC

WL - LEACHATE
GS - SOIL GAS
WC - DRILLING WATER

WG - GROUND WATER
SO - SOIL
DC - DRILL CUTTINGS

SL - SLUDGE
WP - DRINKING WATER
WW - WASTE WATER

AA - AMBIENT AIR
SE - SEDIMENT
SH - HAZARDOUS SOLID WASTE

TS# - TRIP BLANK
SD# - MATRIX SPIKE DUPLICATE

TS# - RINSE BLANK
FR# - FIELD REPLICATE

(# - SEQUENTIAL NUMBER (FROM 1 TO 9) TO ACCOMMODATE MULTIPLE SAMPLES IN A SINGLE DAY)

SPECIAL INSTRUCTIONS

24 hr. T.A.T.
Melissa Devo Lab PM
#1 B.C.

RECEIVED BY (SIGNATURE)

DATE

RELINQUISHED BY (SIGNATURE)

DATE

RECEIVED FOR LAB BY (SIGNATURE)

DATE

RELINQUISHED BY (SIGNATURE)

DATE

Distribution: Original accompanies shipment, copy to coordinator field files

Job Narrative
480-85924-1

Revision I

This report was revised to correct the sample received date.

Receipt

The samples were received on 8/20/2015 10:17 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 3.6° C.

GC Semi VOA

Method(s) 8082A: All primary data is reported from the ZB-5 column.

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.

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Buffalo

Job No.: 480-85924-1

SDG No.: _____

Client Sample ID: CS-3(SIDEWALL 0.5)

Lab Sample ID: 480-85924-3

Instrument ID (1): HP5890-12

Instrument ID (2): HP5890-12

Date Analyzed (1): 08/20/2015 15:02

Date Analyzed (2): 08/20/2015 15:02

GC Column (1): ZB-5

ID: 0.25 (mm)

GC Column (2): ZB-35

ID: 0.53 (mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
PCB-1254	1	1	3.38	3.35	3.41	0.907	1.1	39.5
		2	3.77	3.74	3.80	0.448		
		3	3.84	3.82	3.88	1.19		
		4	4.03	4.01	4.07	1.82		
	2	1	3.16	3.13	3.19	0.908	1.6	
		2	3.55	3.51	3.57	1.46		
		3	3.68	3.64	3.70	1.73		
		4	4.08	4.06	4.12	2.41		
PCB-1260	1	1	4.21	4.18	4.24	2.21	1.9	13.8
		2	4.43	4.40	4.46	2.34		
		3	4.56	4.53	4.59	1.41		
		4	4.94	4.91	4.97	1.48		
	2	1	4.08	4.05	4.11	2.20	1.6	
		2	4.39	4.36	4.42	1.62		
		3	4.52	4.49	4.55	1.47		
		4	4.83	4.80	4.86	1.20		

AECOM

SITE NAME

BOUNTY 30

Robert B. Taylor

AIRBILL NO.:

MATRIX

1255- Cash	CS-6 (5103 w/10.5)	50
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1

TOTAL NO. # OF
CONTAINERS

422
9/25/55
NO
P2554

71 10101
8082

25532d

REMARKS

SAMPLE TYPE

IN (IN FEET)

DEPTH (IN FEET)

FIELD DOT NO. #
(RPMIS ONLY)

1480-88063 Chain of Custody

LF - FLOATING/FREE PRODUCT ON GW TABLE

WO - OCEAN WATER
WS - SURFACE WATER
WQ - WATER FIELD QC

	WL - LEACHATE
	GS - SOIL GAS
	WC - DRILLING WASTE

WG - GROUND WATER
SO - SOIL

SL - SLUDGE
WP - DRINKING WATER

AIR	T																
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AA - A
SE - S

TB# - TRIP BLANK
SD# - MATRIX SPIKE DUPLICATE

ON - TRIP	TB# - TRIP BLANK	SD# - MATRIX SPIKE
1	1	1
2	2	2
3	3	3
4	4	4
5	5	5
6	6	6
7	7	7
8	8	8
9	9	9
10	10	10
11	11	11
12	12	12
13	13	13
14	14	14
15	15	15
16	16	16
17	17	17
18	18	18
19	19	19
20	20	20
21	21	21
22	22	22
23	23	23
24	24	24
25	25	25
26	26	26
27	27	27
28	28	28
29	29	29
30	30	30
31	31	31
32	32	32
33	33	33
34	34	34
35	35	35
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42	42	42
43	43	43
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67	67	67
68	68	68
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70	70	70
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73	73	73
74	74	74
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76	76	76
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78	78	78
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82	82	82
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84	84	84
85	85	85
86	86	86
87	87	87
88	88	88
89	89	89
90	90	90
91	91	91
92	92	92
93	93	93
94	94	94
95	95	95
96	96	96
97	97	97
98	98	98
99	99	99
100	100	100

RB# - RINSE BLANK
FR# - FIELD REPLICATE

N# - NORMAL ENVIRO
MS# - MATRIX SPIKE

SAMPLE

(# - SEQUENTIAL)

NUMBER (FROM 1 TO 9) T

IMMODATE MULTIPLE SAMPLES

- SEQUENTIAL NUMBER (FROM 1 TO 9) TO ACCOMMODATE MULTIPLE SAMPLES IN A SINGLE DAY

TYPE CODES

DATE	TIME
------	------

RECEIVED BY (SIGNATURE)

DATE	TIME
------	------

SPECIAL INSTRUCTIONS

INSTRUCTIONS

RELINQUISHED BY (SIGNATURE)

DATE	TIME
------	------

RECEIVED FOR LAB BY (SIGNATURE)

DATE	TIME
------	------

WELLSA DEYO

0630T

5 day IAT: Temp 5.0 #1

Distribution: Original accompanies shipment, copy to coordinator field files

Job Narrative
480-86063-1

Receipt

The sample was received on 8/21/2015 6:06 PM; the sample arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 5.0° C.

GC Semi VOA

Method(s) 8082A: The following samples was diluted to bring the concentration of target analytes within the calibration range: CS-6(SIDEWALL 0.5') (480-86063-1), (480-86063-A-1-B MS) and (480-86063-A-1-C MSD). Elevated reporting limits (RLs) are provided.

Method(s) 8082A: All primary data is reported from the ZB-5 column.

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.

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-86063-1
 SDG No.: _____
 Client Sample ID: CS-6 (SIDEWALL 0.5') Lab Sample ID: 480-86063-1
 Instrument ID (1): HP5890-12 Instrument ID (2): HP5890-12
 Date Analyzed (1): 08/24/2015 14:01 Date Analyzed (2): 08/24/2015 14:01
 GC Column (1): ZB-5 ID: 0.25(mm) GC Column (2): ZB-35 ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
PCB-1248	1	1	3.06	3.01	3.07	0.860	1.5	40.3
		2	3.14	3.11	3.17	1.84		
		4	3.53	3.49	3.55	1.76		
	2	1	2.76	2.73	2.79	0.495	0.99	
		2	2.85	2.82	2.88	1.44		
		3	3.00	2.96	3.02	1.03		
PCB-1260	1	1	4.22	4.19	4.25	11.9	11	0.8
		2	4.43	4.40	4.46	13.2		
		3	4.56	4.53	4.59	8.10		
		4	4.94	4.91	4.97	9.06		
	2	1	4.08	4.06	4.12	13.4	10	
		2	4.39	4.36	4.42	10.1		
		3	4.52	4.49	4.55	9.87		
		4	4.84	4.81	4.87	8.60		

GE Project

480-86459-1

CHAIN OF CUSTODY RECORD

PROJECT NO.

SITE NAME
GE Tonawanda

SAMPLERS (PRINT/SIGNATURE)
Tom Urban / Tom Urban

DELIVERY SERVICE: Prop Off AIRBILL NO.: —

AECOM

LAB TEST AMERICA
COOLER 1 of 1
PAGE 1 of 2

LOCATION IDENTIFIER	DATE	TIME	COMP/GRAB	SAMPLE ID	MATRIX	TOTAL NO. OF CONTAINERS	REMARKS	SAMPLE TYPE	BEGINNING DEPTH (IN FEET)	ENDING DEPTH (IN FEET)	FIELD LOT NO. # (RPPMS ONLY)
9/1/15	1730		CHAB	CS-7 (SIDEWALL 0.5')	SO	1	402 g/ass. no preser. 250 ml. Amber glass	N	0.5	0.5	-
	1732			CS-8 (SIDEWALL 0.5')	SO	1		N	0.5	0.5	-
	1735			CS-9 (SIDEWALL 1.0')	SO	1		N	1.0	1.0	-
	1738			CS-10 (BOTTOM 1.0')	SO	1		N	1.0	1.0	-
	1740			CS-11 (BOTTOM 1.0')	SO	1		N	1.0	1.0	-
	1743			CS-12 (BOTTOM 1.0')	SO	1		N	1.0	1.0	-
	1745			CS-13 (BOTTOM 1.0')	SO	1		N	1.0	1.0	-
	1747			CS-14 (BOTTOM 1.0')	SO	1		N	1.0	1.0	-
	1753			CS-15 (BOTTOM 1.0')	SO	1		N	1.0	1.0	-
	1758			CS-16 (BOTTOM 1.0')	SO	1		N	1.0	1.0	-
	1801			CS-17 (BOTTOM 1.0')	SO	1		N	1.0	1.0	-
	1804			CS-18 (BOTTOM 1.0')	SO	1		N	1.0	1.0	-
	1845			20150901-PB-1	WC	2		RB	-	-	-

AA - AMBIENT AIR
SE - SEDIMENT
SH - HAZARDOUS SOLID WASTE
WB - WASTE WATER
WW - WASTE WATER
SL - SLUDGE
WP - DRINKING WATER
WG - GROUND WATER
WS - SURFACE WATER
WQ - WATER FIELD QC
WL - LEACHATE
GS - SOIL GAS
WC - DRILLING WATER

LB - HAZARDOUS LIQUID WASTE
LF - FLOATING/FREE PRODUCT ON GW TABLE

TS# - TRIP BLANK
SD# - MATRIX SPIKE DUPLICATE
TB# - RINSE BLANK
FR# - FIELD REPLICATE
NR# - NORMAL ENVIRONMENTAL SAMPLE
MS# - MATRIX SPIKE

(# - SEQUENTIAL NUMBER (FROM 1 TO 9) TO ACCOMMODATE MULTIPLE SAMPLES IN A SINGLE DAY)

SPECIAL INSTRUCTIONS
3 Day T.A.T.
MELISSA DEYO is Lab PM
ASP CAT B deliverable
Temp 4.7 3.6 #1

RELINQUISHED BY (SIGNATURE)
Tom Urban
RECEIVED BY (SIGNATURE)
9/1/15 1702
DATE
9/1/15 1730
DATE
RECEIVED FOR LAB BY (SIGNATURE)

Distribution: Original accompanies shipment, copy to coordinator field files

CHAIN OF CUSTODY RECORD

PROJECT NO.

SITE NAME

EE DNA WANDA

SAMPLERS (PRINT/SIGNATURE)

Tom Urban / Tom Urban

DELIVERY SERVICE:

AIRBILL NO.:

Drop off

480-86459 Chain of Custody

AECOM

B. BEST AREA

COLLECTOR 1 of 1

PAGE 2 of 2

LOCATION IDENTIFIER	DATE	TIME	COMP/GRAB	SAMPLE ID	MATRIX	TOTAL NO. OF CONTAINERS	REMARKS	SAMPLE TYPE	BEGINNING DEPTH (IN FEET)	ENDING DEPTH (IN FEET)	FIELD LOT NO. # (RPMs ONLY)
9/1/15	1330	1330	CS-20 (bottom 1.0')	SO	1	402 gms		N	1.0	1.0	-
	1330	1330	CS-20 (bottom 1.0')	MS	1			MS	1.0	1.0	-
	1330	1330	CS-20 (bottom 1.0')	MSD	1			SD	1.0	1.0	-
	1334	1334	CS-22 (bottom 1.0')	SO	1			N	1.0	1.0	-
	1340	1340	CS-23 (side wall 0.5')	SD	1			N	0.5	0.5	-
	1345	1345	CS-24 (bottom 1.0')	SO	1			N	1.0	1.0	-
	1348	1348	CS-25 (bottom 1.0')	SO	1			N	1.0	1.0	-
	1353	1353	CS-26 (side wall 0.5')	SD	1			N	0.5	0.5	-
	1358	1358	CS-27 (bottom 1.0')	SO	1			N	1.0	1.0	-
	1400	1400	CS-28 (bottom 1.0')	SD	1			N	1.0	1.0	-
	1403	1403	CS-29 (side wall 0.5')	SD	1			N	0.5	0.5	-
	1409	1409	CS-30 (side wall 0.5')	SD	1			N	0.5	0.5	-

AA - AMBIENT AIR SE - SEDIMENT SH - HAZARDOUS SOLID WASTE	SL - SLUDGE WP - DRINKING WATER WW - WASTE WATER	WG - GROUND WATER SO - SOIL DC - DRILL CUTTINGS	WL - LEACHATE GS - SOIL GAS WC - DRILLING WATER	WO - OCEAN WATER WS - SURFACE WATER WQ - WATER FIELD QC	LH - HAZARDOUS LIQUID WASTE LF - FLOATING/FREE PRODUCT ON GW TABLE
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TS# - TRIP BLANK SD# - MATRIX SPIKE DUPLICATE	RB# - RINSE BLANK FR# - FIELD REPLICATE	N# - NORMAL ENVIRONMENTAL SAMPLE MS# - MATRIX SPIKE	# - SEQUENTIAL NUMBER (FROM 1 TO 9) TO ACCOMMODATE MULTIPLE SAMPLES IN A SINGLE DAY
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RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED BY (SIGNATURE)	DATE	TIME	SPECIAL INSTRUCTIONS
Tom Urban	9/1/15	1330	Tom Urban	9/1/15	1330	
RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED FOR LAB BY (SIGNATURE)	DATE	TIME	

Temp 41.7 3.6 #1

Distribution: Original accompanies shipment, copy to coordinator field files

Job Narrative
480-86459-1

Receipt

The samples were received on 9/1/2015 5:02 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 2 coolers at receipt time were 3.6° C and 4.7° C.

GC Semi VOA

Method(s) 8082A: The following samples were diluted due to the abundance of target analytes: CS-7 (SIDEWALL 0.5') (480-86459-1) and CS-24 (BOTTOM 1.0') (480-86459-17). Elevated reporting limits (RLs) are provided.

Method(s) 8082A: The following sample contains PCB-1268: CS-26 (SIDEWALL 0.5') (480-86459-19), though this component is not a target analyte. The pattern is found and noted for future reference.

Method(s) 8082A: All primary data for the soil analysis reported from the ZB-5 column.

Method(s) 8082A: All primary data for the water analysis reported from the ZB-35 column.

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.

GE Property

CHAIN OF CUSTODY RECORD

PROJECT NO.

SITE NAME

GE Tenthwanda

SAMPLERS (PRINT/SIGNATURE)

John Boyd

Dropoff

DELIVERY SERVICE:

AIRBILL NO.:

TOTAL NO. OF CONTAINERS

LOCATION IDENTIFIER

DATE

TIME

COMPI/GRAB

SAMPLE ID

MATRIX

9/4/15 0835 6146 CS-33 (Bottom 1.0') SD 1

9/4/15 0838 6204 CS-34 (Bottom 1.0') SD 1

9/4/15 0845 6204 CS-35 (Bottom 1.0') SD 1

AECOM

LAB TEST America

COOLER 1 of 1

PAGE 1 of 1

REMARKS

FIELD LOT NO. #

DEPTH (IN FEET)

ENDING

DEPTH (IN FEET)

SAMPLE TYPE

1.0 1.0

1.0 1.0

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REMARKS

FIELD LOT NO. #

DEPTH (IN FEET)

ENDING

DEPTH (IN FEET)

SAMPLE TYPE

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480-86752 Chain of Custody

WQ - OCEAN WATER
WS - SURFACE WATER
WQ - WATER FIELD QC

WL - LEACHATE
GS - SOIL GAS
WC - DRILLING WATER

WG - GROUND WATER
SO - SOIL
DC - DRILL CUTTINGS

SL - SLUDGE
WP - DRINKING WATER
WW - WASTE WATER

RA - AMBIENT AIR
SE - SEDIMENT
SH - HAZARDOUS SOLID WASTE

TS# - TRIP BLANK
SD# - MATRIX SPIKE DUPLICATE

RELINQUISHED BY (SIGNATURE)

DATE

TIME

9/4/15 0939

RELINQUISHED BY (SIGNATURE)

DATE

TIME

9/4/15 1017

SPECIAL INSTRUCTIONS

Melissa Devo Lab PM

3 Oct 11 T.A.T.

ASP OCT-B deliverable

Distribution: Original accompanies shipment, copy to coordinator field files

4104

Job Narrative
480-86752-1

Receipt

The samples were received on 9/4/2015 10:17 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 4.0° C.

GC Semi VOA

Method(s) 8082A: All primary data is reported from the ZB-5 column.

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.

CHAIN OF CUSTODY RECORD

PROJECT NO.

SITE NAME

GE DHAANDAA

SAMPLERS (PRINT/SIGNATURE)

John Boyd

DELIVERY SERVICE:

Drop off

AIRBILL NO.:

TOTAL NO. OF CONTAINERS

LOCATION IDENTIFIER

DATE

TIME

COMP/GRAB

SAMPLE ID

MATRIX

TOTAL NO. OF CONTAINERS

402 g/l H₂S
250 mL
H₂SO₄ 9.11%

7.16%
7.16%
80.82

REMARKS

SAMPLE TYPE

BEGINNING DEPTH (IN FEET)

ENDING DEPTH (IN FEET)

FIELD LOT NO. # (RPMIS ONLY)

AECOM

LAB TEST America

COOLER 1 of 1

PAGE 1 of 1



480-86925 Chain of Custody

LH - HAZARDOUS LIQUID WASTE
LF - FLOATING/FREE PRODUCT ON GW TABLE

WO - OCEAN WATER
WS - SURFACE WATER
WQ - WATER FIELD QC

ML - LEACHATE
GS - SOIL GAS
WC - DRILLING WATER

WG - GROUND WATER
SO - SOIL
DC - DRILL CUTTINGS

SL - SLUDGE
WP - DRINKING WATER
WW - WASTE WATER

AA - AMBIENT AIR
SE - SEDIMENT
SH - HAZARDOUS SOLID WASTE

TB# - TRIP BLANK
SD# - MATRIX SPIKE DUPLICATE

(# - SEQUENTIAL NUMBER (FROM 1 TO 9) TO ACCOMMODATE MULTIPLE SAMPLES IN A SINGLE DAY)

SPECIAL INSTRUCTIONS

3 day T.A.T.
Melissa Devo Lab PM
ASP CAT. 8 deliverable

RECEIVED BY (SIGNATURE)

DATE

TIME

RELINQUISHED BY (SIGNATURE)

DATE

TIME

RECEIVED FOR LAB BY (SIGNATURE)

DATE

TIME

RELINQUISHED BY (SIGNATURE)

DATE

TIME

Distribution: Original accompanies shipment, copy to coordinator field files

#1 3.4.

Job Narrative
480-86925-1

Receipt

The samples were received on 9/9/2015 1:45 PM, the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 3.4° C.

GC Semi VOA

Method(s) 8082A: All primary data is reported from the ZB-5 column.

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

Organic Prep

Method(s) 3510C: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with analytical batch 480-262898.

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

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Buffalo

Job No.: 480-86925-1

SDG No.: _____

Client Sample ID: CS-37 BOTTOM 1.0

Lab Sample ID: 480-86925-2

Instrument ID (1): HP6890-7

Instrument ID (2): HP6890-7

Date Analyzed (1): 09/10/2015 19:22

Date Analyzed (2): 09/10/2015 19:22

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

GC Column (2): ZB-35 ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
PCB-1260	1	2	4.93	4.90	4.96	0.138	0.12	3.7
		4	5.71	5.68	5.74	0.152		
	2	2	4.61	4.58	4.64	0.159	0.12	
		4	5.40	5.37	5.43	0.117		

CHAIN OF CUSTODY RECORD

PROJECT NO. _____
 SITE NAME GE Tonawanda
 SAMPLERS (PRINT/SIGNATURE) Tom Urban / Tom Urban

DELIVERY SERVICE: Drop off AIRBILL NO.: N/A

LOCATION IDENTIFIER	DATE	TIME	COMP/GRAB	SAMPLE ID	MATRIX	TOTAL NO. # OF CONTAINERS
	9/10/15	1120	Grab	CS-31A (Bottom 1.5')	SO	1
	9/10/15	1125	Grab	CS-47 (Side wall 0.5')	SO	1
	9/10/15	1130	Grab	CS-46 (Side wall 0.5')	SO	1
	9/10/15	1135	Grab	CS-51 (Bottom 1.0')	SO	1
	9/10/15	1140	Grab	CS-50 (Bottom 1.0')	SO	1
	9/10/15	1145	Grab	CS-48 (Side wall 1.0')	SO	1
	9/10/15	1150	Grab	CS-49 (Side wall 1.0')	SO	1

RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED BY (SIGNATURE)	DATE	TIME
<u>Tom Urban</u>	9/10/15	1128	<u>Andrew Harg</u>	9/10/15	1128
RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED FOR LAB BY (SIGNATURE)	DATE	TIME

Distribution: Original accompanies shipment, copy to coordinator field files

3, 9 #1

AECOM

LAB Test America
 COOLER 1 of 1
 PAGE 1 of 1

REMARKS	SAMPLE TYPE	BEGINNING DEPTH (IN FEET)	ENDING DEPTH (IN FEET)	FIELD LOT NO. # (RPMs ONLY)
3 DAY TAT	N ₁	1.5	1.5	—
3 DAY TAT	N ₁	0.5	0.5	—
3 DAY TAT	N ₁	0.5	0.5	—
3 DAY TAT	N ₁	1.0	1.0	—
24 hr TAT	N ₁	1.0	1.0	—
24 hr TAT	N ₁	1.0	1.0	—
24 hr TAT	N ₁	1.0	1.0	—



480-87000 Chain of Custody

WL - LEACHATE
 GS - SOIL GAS
 WC - DRILLING WATER
 WO - OCEAN WATER
 WS - SURFACE WATER
 WQ - WATER FIELD QC

LH - HAZARDOUS LIQUID WASTE
 LF - FLOATING/FREE PRODUCT ON GW TABLE

N# - NORMAL ENVIRONMENTAL SAMPLE
 MS# - MATRIX SPIKE

RB# - RINSE BLANK
 FR# - FIELD REPLICATE

AA - AMBIENT AIR
 SE - SEDIMENT
 SH - HAZARDOUS SOLID WASTE

TB# - TRIP BLANK
 SD# - MATRIX SPIKE DUPLICATE

- SEQUENTIAL NUMBER (FROM 1 TO 9) TO ACCOMMODATE MULTIPLE SAMPLES IN A SINGLE DAY

SPECIAL INSTRUCTIONS

Melissa Deyo Lab PM

Job Narrative
480-87000-1

Receipt

The samples were received on 9/10/2015 2:28 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 3.9° C.

GC Semi VOA

Method(s) 8082A: All primary data is reported from the ZB-5 column.

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.

Job Narrative
480-87000-2

Receipt

The samples were received on 9/10/2015 2:28 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 3.9° C.

GC Semi VOA

Method(s) 8082A: All primary data is reported from the ZB-5 column

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.

CHAIN OF CUSTODY RECORD

PROJECT NO.

SITE NAME

GE Technology

SAMPLERS (PRINT/SIGNATURE)

Tom Urban/Tom Uhl

DELIVERY SERVICE: Drop off

AIRBILL NO.: N/A

LOCATION IDENTIFIER	DATE	TIME	COMP/GRAB	SAMPLE ID	MATRIX	TOTAL NO. # OF CONTAINERS
	9/18/15	1720	Grab	CS-52 (Bottom 5.0)	SO	1
	9/18/15	1730	Grab	CS-53 (Bottom 5.0)	SO	1
	9/18/15	1758	Grab	CS-54 (Bottom 5.5)	SO	1
	9/23/15	1147	Grab	CS-55 (Bottom 5.5)	SO	1
	9/23/15	1042	Grab	CS-56 (Bottom 1.0)	SO	1
	9/23/15	1046	Grab	CS-57 (Bottom 1.0)	SO	1
	9/23/15	1050	Grab	CS-58 (Bottom 1.0)	SO	1
	9/23/15	1054	Grab	CS-59 (Bottom 1.0)	SO	1
	9/23/15	1115	Grab	CS-62 (Bottom 1.0)	SO	1
	9/23/15	1115	Grab	CS-62 (Bottom 1.0)	SO	1
	9/23/15	1115	Grab	CS-62 (Bottom 1.0)	SO	1
	9/23/15	1130	Grab	CS-65 (Bottom 1.0)	SO	1
	9/23/15	1135	Grab	CS-66 (sidewall 1.0)	SO	1

AA - AMBIENT AIR	SL - SLUDGE	WG - GROUND WATER	WL - LEACHATE	WO - OCEAN WATER
SE - SEDIMENT	VP - DRINKING WATER	SO - SOIL	GS - SOIL GAS	WS - SURFACE WATER
SH - HAZARDOUS SOLID WASTE	WM - WASTE WATER	DC - DRILL CUTTINGS	WC - DRILLING WATER	WQ - WATER FIELD QC
TS# - TRIP BLANK	RB# - RINSE BLANK	N# - NORMAL ENVIRONMENTAL SAMPLE		
SD# - MATRIX SPIKE DUPLICATE	FR# - FIELD REPLICATE	MS# - MATRIX SPIKE		

RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED BY (SIGNATURE)	DATE	TIME
Tom Uhl	9/23/15	1440	[Signature]	9/23/15	1440
RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED FOR LAB BY (SIGNATURE)	DATE	TIME

Distribution: Original accompanies shipment, copy to coordinator field files

AECOM

Test America

COOLER 1 of 1

PAGE 1 of 1

REMARKS	SAMPLE TYPE	BEGINNING DEPTH (IN FEET)	ENDING DEPTH (IN FEET)	FIELD LOT NO. # (RPMs ONLY)
3 DAY TAT	N ₁	5.0	5.0	-
	N ₁	5.0	5.0	-
	N ₁	5.5	5.5	-
	N ₁	5.5	5.5	-
	N ₁	1.0	1.0	-
24 hr TAT	N ₁	1.0	1.0	-
3 DAY TAT	N ₁	1.0	1.0	-
24 hr TAT	N ₁	1.0	1.0	-
24 hr TAT	N ₁	1.0	1.0	-
24 hr TAT	N ₁	1.0	1.0	-
24 hr TAT	N ₁	1.0	1.0	-
24 hr TAT	N ₁	1.0	1.0	-
3 DAY TAT	N ₁	1.0	1.0	-

LH - HAZARDOUS LIQUID WASTE
LF - FLOATING/FREE PRODUCT ON GW TABLE

SPECIAL INSTRUCTIONS
Melissa Devo - Lab PM

7.6 #

Job Narrative
480-87764-1

Receipt

The samples were received on 9/23/2015 2:40 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.6° C.

GC Semi VOA

Method(s) 8082A: All primary data for water analysis is reported from the ZB-35 column, while all primary data for soil analysis is reported from the ZB-5 column..

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

Organic Prep

Method(s) 3510C: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with analytical batch 480-265375.

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

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Buffalo

Job No.: 480-87764-2

SDG No.: _____

Client Sample ID: CS-62 (BOTTOM 1.0)

Lab Sample ID: 480-87764-9

Instrument ID (1): HP6890-7

Instrument ID (2): HP6890-7

Date Analyzed (1): 09/24/2015 13:35

Date Analyzed (2): 09/24/2015 13:35

GC Column (1): ZB-5

ID: 0.53(mm)

GC Column (2): ZB-35

ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
PCB-1248	1	1	3.61	3.57	3.63	2.19	2.4	47.9
		2	3.81	3.78	3.84	2.31		
		4	3.99	3.96	4.02	2.82		
	2	1	3.24	3.22	3.28	2.52	4.0	
		2	3.49	3.46	3.52	3.28		
		3	3.53	3.51	3.57	4.33		
		4	3.72	3.71	3.77	5.78		
PCB-1260	1	1	4.70	4.67	4.73	12.4	13	23.9
		2	4.93	4.90	4.96	15.6		
		3	5.46	5.43	5.49	10.6		
		4	5.71	5.68	5.74	11.8		
	2	1	4.30	4.27	4.33	17.5	16	
		2	4.61	4.58	4.64	19.8		
		3	5.06	5.03	5.09	13.4		
		4	5.40	5.37	5.43	13.5		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-87764-2
 SDG No.: _____
 Client Sample ID: CS-65 (BOTTOM 1.0) Lab Sample ID: 480-87764-10
 Instrument ID (1): HP6890-7 Instrument ID (2): HP6890-7
 Date Analyzed (1): 09/24/2015 13:51 Date Analyzed (2): 09/24/2015 13:51
 GC Column (1): ZB-5 ID: 0.53(mm) GC Column (2): ZB-35 ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
PCB-1242	1	1	3.07	3.02	3.08	1.19	1.5	47.9
		3	3.61	3.57	3.63	2.83		
	2	1	2.76	2.73	2.79	1.57	2.5	
		4	3.53	3.50	3.56	5.41		
PCB-1260	1	1	4.70	4.67	4.73	53.5	55	25.3
		2	4.93	4.90	4.96	60.5		
		3	5.46	5.43	5.49	50.4		
		4	5.71	5.68	5.74	54.5		
	2	1	4.30	4.26	4.32	74.8	71	
		2	4.61	4.58	4.64	79.2		
		3	5.06	5.03	5.09	64.0		
		4	5.40	5.37	5.43	64.4		

480-87854-11-2

CHAIN OF CUSTODY RECORD

PROJECT NO. GE SITE NAME Tonaawanda
SAMPLERS (PRINT/SIGNATURE) Tsm Urban/Tom Urban

DELIVERY SERVICE: Drop off AIRBILL NO.: N/A

LOCATION IDENTIFIER	DATE	TIME	COMP/GRAB	SAMPLE ID	MATRIX	TOTAL NO. OF CONTAINERS
	9/24/15	1303	Grab	CS-68(Bottom 1.0)	SO	1
	9/24/15	1305	Grab	CS-69(Sidewall 1.5)	SO	1
	9/24/15	1308	Grab	CS-70(Sidewall 1.5)	SO	1
	9/24/15	1255	Grab	CS-71(Sidewall 1.5)	SO	1
	9/24/15	1247	Grab	CS-72(Sidewall 1.5)	SO	1
	9/24/15	1310	Grab	CS-73(Sidewall 0.5)	SO	1
	9/24/15	1314	Grab	CS-74(Sidewall 10.5)	SO	1
	9/24/15	1317	Grab	CS-75(Bottom 1.0)	SO	1
	9/24/15	1445	Grab	RWTEXC. - 8.0	SO	1
	9/24/15	1448	Grab	RWTEXC. - 10.5	SO	1

AA - AMBIENT AIR
SE - SEDIMENT
SH - HAZARDOUS SOLID WASTE
WB - WASTE WATER
WB - DRINKING WATER
WB - RINSE BLANK
FR - FIELD REPLICATE
TS - TRIP BLANK
SD - MATRIX SPIKE DUPLICATE
TS - RINSE BLANK
FR - FIELD REPLICATE
N# - NORMAL ENVIRONMENTAL SAMPLE
MS# - MATRIX SPIKE

RELINQUISHED BY (SIGNATURE) Tsm Urban DATE 9/24/15 TIME 1525
RELINQUISHED BY (SIGNATURE) [Signature] DATE 9/24/15 TIME 1525
RECEIVED FOR LAB BY (SIGNATURE) [Signature] DATE 9/24/15 TIME 1525

Distribution: Original accompanies shipment, copy to coordinator field files



480-87854 Chain of Custody

LAB Test America
COOLER 1 of 1
PAGE 1 of 1

REMARKS	SAMPLE TYPE	BEGINNING DEPTH (IN FEET)	ENDING DEPTH (IN FEET)	FIELD LOT NO. # (RPPIMS ONLY)
3 DAY TAT	N ₁	1.0	1.0	-
	N ₁	1.5	1.5	-
	N ₁	1.5	1.5	-
	N ₁	1.5	1.5	-
	N ₁	1.5	1.5	-
	N ₁	0.5	0.5	-
	N ₁	0.5	0.5	-
	N ₁	1.0	1.0	-
24 hr TAT	N ₁	8.0	8.0	-
24 hr TAT	N ₁	10.5	10.5	-

WQ - OCEAN WATER
WS - SURFACE WATER
WQ - WATER FIELD QC
WL - LEACHATE
GS - SOIL GAS
WC - DRILLING WATER

LH - HAZARDOUS LIQUID WASTE
LF - FLOATING/FREE PRODUCT ON GW TABLE

SPECIAL INSTRUCTIONS
Melissa Deyo - lab PM

(# - SEQUENTIAL NUMBER (FROM 1 TO 9) TO ACCOMMODATE MULTIPLE SAMPLES IN A SINGLE DAY)

11/12

Job Narrative
480-87854-1

Receipt

The samples were received on 9/24/2015 3:25 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.1° C.

GC Semi VOA

Method(s) 8082A: The following samples were diluted due to the abundance of target analytes: CS-68 (BOTTOM 1.0) (480-87854-1), CS-70 (SIDEWALL 1.5) (480-87854-3), CS-71 (SIDEWALL 1.5) (480-87854-4), (480-87854-A-1-A MS) and (480-87854-A-1-B MSD). Elevated reporting limits (RLs) are provided.

Method(s) 8082A: Decachlorobiphenyl surrogate recovery for the following sample was outside of control limits: CS-70 (SIDEWALL 1.5) (480-87854-3). The sample was diluted due to the abundance of target analytes. As such, surrogate recoveries are not representative.

Method(s) 8082A: All primary data is reported from the ZB-5 column.

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.

Job Narrative
480-87854-2

Receipt

The samples were received on 9/24/2015 3:25 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.1° C.

GC Semi VOA

Method(s) 8082A: All primary data is reported from the ZB-5 column.

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.

CHAIN OF CUSTODY RECORD

PROJECT NO.

SITE NAME

GE Tonawanda

SAMPLERS (PRINT/SIGNATURE)

Tom Urban/Tom Urban

DELIVERY SERVICE:

Deep Off

AIRBILL NO.:

N/A

LOCATION IDENTIFIER

DATE

COMP/GRAB

SAMPLE ID

MATRIX

TOTAL NO. OF CONTAINERS

402 Gase
4 N Pres.

BOTTLE TYPE AND PRESERVATIVE

REMARKS

SAMPLE TYPE

BEGINNING DEPTH (IN FEET)

ENDING DEPTH (IN FEET)

FIELD LOT NO. # (RPPIMS ONLY)

T.U.
T.U.

3 DAY TAT

24hr TAT

24hr TAT

24hr TAT

LH - HAZARDOUS LIQUID WASTE
LF - FLOATING/FREE PRODUCT ON GW TABLE

WO - OCEAN WATER
WS - SURFACE WATER
WG - WATER FIELD QC

WL - LEACHATE
GS - SOIL GAS
WC - DRILLING WATER

WG - GROUND WATER
SO - SOIL
DC - DRILL CUTTINGS

SL - SLUDGE
WP - DRINKING WATER
WW - WASTE WATER

AA - AMBIENT AIR
SE - SEDIMENT
SH - HAZARDOUS SOLID WASTE

TS# - TRIP BLANK
SD# - MATRIX SPIKE DUPLICATE

RF# - RINSE BLANK
FR# - FIELD REPLICATE

NF - NORMAL ENVIRONMENTAL SAMPLE
MS# - MATRIX SPIKE

(# - SEQUENTIAL NUMBER (FROM 1 TO 9) TO ACCOMMODATE MULTIPLE SAMPLES IN A SINGLE DAY)

RELINQUISHED BY (SIGNATURE)

Tom Urban

DATE

9/25/15

RECEIVED BY (SIGNATURE)

Handwritten signature

DATE

9/25/15

TIME

1:48

SPECIAL INSTRUCTIONS

Melissa Devo - lab PM

RELINQUISHED BY (SIGNATURE)

RECEIVED FOR LAB BY (SIGNATURE)

DATE

DATE

TIME

TIME

Distribution: Original accompanies shipment, copy to coordinator field files

40 #

Job Narrative
480-87954-1

Receipt

The samples were received on 9/25/2015 1:48 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 4.0° C.

GC Semi VOA

Method(s) 8082A: All primary data is reported from the ZB-5 column.

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.

Job Narrative
480-87954-2

Receipt

The samples were received on 9/25/2015 1:48 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 4.0° C.

GC Semi VOA

Method(s) 8082A: All primary data is reported from the ZB-5 column.

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.

CHAIN OF CUSTODY RECORD

PROJECT NO. _____ SITE NAME GE DONAWANDA

SAMPLERS (PRINT/SIGNATURE) John Boyd John Boyd

DELIVERY SERVICE: Drop W AIRBILL NO.: _____

LOCATION IDENTIFIER	DATE	TIME	COMPI GRAB	SAMPLE ID	MATRIX	TOTAL NO. # OF CONTAINERS
	0955		6046	CS-81 (SIDE WALL 0.5)	SO	1
	1240			CS-82 (SIDE WALL 0.5)	SO	1
	1248			CS-83 (SIDE WALL 0.5)	SO	1
	1328			CS-84 (SIDE WALL 0.5)	SO	1
	1338			CS-85 (SIDE WALL 0.5)	SO	1
	1345			CS-76 (BOTTOM 1.0)	SO	1
	1317			CS-77 (BOTTOM 1.0)	SO	1
	1550			CS-86 (SIDE WALL 5.0)	SO	1
	1600			CS-87 (SIDE WALL 5.0)	SO	1
	1605			CS-88 (SIDE WALL 5.0)	SO	1
	1615			CS-89 (SIDE WALL 5.0)	SO	1
				2050928-FD-1	SO	1

AA - AMBIENT AIR SE - SEDIMENT SH - HAZARDOUS SOLID WASTE	SL - SLUDGE WP - DRINKING WATER WW - WASTE WATER	WG - GROUND WATER SO - SOIL DC - DRILL CUTTINGS	WL - LEACHATE GS - SOIL GAS WC - DRILLING WATER	WO - OCEAN WATER WS - SURFACE WATER WQ - WATER FIELD QC	LH - HAZARDOUS LIQUID WASTE LF - FLOATING/FREE PRODUCT ON GW TABLE
RELINQUISHED BY (SIGNATURE) <u>John Boyd</u>	DATE <u>9/28/15</u> TIME <u>1900</u>	RECEIVED BY (SIGNATURE) <u>Walter</u>	DATE <u>9/28/15</u> TIME <u>1900</u>	DATE <u>9/28/15</u> TIME <u>1900</u>	DATE <u>9/28/15</u> TIME <u>1900</u>
RELINQUISHED BY (SIGNATURE) <u>John Boyd</u>	DATE <u>9/28/15</u> TIME <u>1900</u>	RECEIVED FOR LAB BY (SIGNATURE) <u>Walter</u>	DATE <u>9/28/15</u> TIME <u>1900</u>	DATE <u>9/28/15</u> TIME <u>1900</u>	DATE <u>9/28/15</u> TIME <u>1900</u>

Distribution: Original accompanies shipment, copy to coordinator field files

2.2 #1

AECOM

LAB TEST America
COOLER 1 of 1
PAGE 1 of 1

REMARKS



SAMPLE TYPE	BEGINNING DEPTH (IN FEET)	ENDING DEPTH (IN FEET)	FIELD LOT NO. # (RAPIDS ONLY)
N 0.5 TAT	0.5	0.5	-
N 0.5	0.5	0.5	-
N 0.5	0.5	0.5	-
N 0.5	0.5	0.5	-
N 0.5	0.5	0.5	-
N 1.0	1.0	1.0	-
N 1.0	1.0	1.0	-
N 5.5	5.5	5.5	-
N 5.5	5.5	5.5	-
N 5.5	5.5	5.5	-
N 5.5	5.5	5.5	-
N 5.5	5.5	5.5	-

SPECIAL INSTRUCTIONS

See Above for 24 hr. TAT.
Melissa Devo Lab PM

Job Narrative
480-88008-1

Receipt

The samples were received on 9/28/2015 7:00 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.2° C.

Receipt Exceptions

Sample dates not listed on COC. Logged in per bottle labels.

GC Semi VOA

Method(s) 8082A: The following sample was diluted to bring the concentration of target analytes within the calibration range: CS-87 (SIDEWALL 5.0) (480-88008-9). Elevated reporting limits (RLs) are provided.

Method(s) 8082A: All primary data is reported from the ZB-5 column.

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.

CHAIN OF CUSTODY RECORD

PROJECT NO.

SITE NAME

62 PANAWANDA

SAMPLERS (PRINT/SIGNATURE)

Daniel Boyd [Signature]

Deep af

DELIVERY SERVICE:

AIRBILL NO.:

A=COM

LAB TEST America

COOLER 1 of 1

PAGE 1 of 1

LOCATION IDENTIFIER	DATE	TIME	COMP/GRAB	SAMPLE ID	MATRIX	TOTAL NO. # OF CONTAINERS	402 g/ass	402 g/ass	250 mL	REMARKS	SAMPLE TYPE	BEGINNING DEPTH (IN FEET)	ENDING DEPTH (IN FEET)	FIELD LOT NO. # (RPPMS ONLY)
	9/30/15	1420	6006	CS-59A (Bottom 1.5)	SO	1	1	1	1	24 m. TAT	N	1.5	1.5	-
	9/30/15	1420	6006	CS-59A (Bottom 1.5)	MS	1	1	1	1	24 m. TAT	MS	1.5	1.5	-
	9/30/15	1420	6006	CS-59A (Bottom 1.5)	MSA	1	1	1	1	24 m. TAT	BD	1.5	1.5	-
	9/30/15	1000	6006	CS-70 (SIDE WALL 1.5)	SO	2	2	2	2	3 day TAT	N	1.5	1.5	-
	9/30/15	1715	6006	CS-90 (SIDE WALL 1.5)	SO	1	1	1	1	3 day TAT	N	0.5	0.5	-
SB	9/30/15	1645	6006	20150930-RB-1	WQ	2	2	2	2	3 day TAT	RB	-	-	-



480-88151 Chain of Custody

WO - OCEAN WATER
WS - SURFACE WATER
WC - WATER FIELD QC

WL - LEACHATE
GS - SOIL GAS
WC - DRILLING WATER

WG - GROUND WATER
SO - SOIL
DC - DRILL CUTTINGS

SL - SLUDGE
WP - DRINKING WATER
WW - WASTE WATER

AA - AMBIENT AIR
SE - SEDIMENT
SH - HAZARDOUS SOLID WASTE

TBA - TRIP BLANK
SD# - MATRIX SPIKE DUPLICATE

(# - SEQUENTIAL NUMBER (FROM 1 TO 9) TO ACCOMMODATE MULTIPLE SAMPLES IN A SINGLE DAY)

RELINQUISHED BY (SIGNATURE)

DATE

TIME

RECEIVED BY (SIGNATURE)

DATE

TIME

RECEIVED FOR LAB BY (SIGNATURE)

DATE

TIME

RECEIVED FOR LAB BY (SIGNATURE)

DATE

SPECIAL INSTRUCTIONS

Melissa Dayo 146 PM

NOTE 24 m TAT's Above

Temp 5.0 #1

Distribution: Original accompanies shipment, copy to coordinator field files

Job Narrative
480-88151-1

Comments

No additional comments.

Receipt

The samples were received on 9/30/2015 6:00 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 5.0° C.

GC Semi VOA

Method(s) 8082A: All primary data is reported from the ZB-35 column.

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.

Job Narrative
480-88151-3

Comments

No additional comments.

Receipt

The samples were received on 9/30/2015 6:00 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 5.0° C.

GC Semi VOA

Method(s) 8082A: All primary data is reported from the ZB-5 column.

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

Organic Prep

Method(s) 3510C: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with analytical batch 480-266633.

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

CHAIN OF CUSTODY RECORD

PROJECT NO.
60442945

SAMPLERS (PRINT/SIGNATURE)
Tom Urban / Tom Urban

SITE NAME
GE Tonawanda

DELIVERY SERVICE: **Drop Off** AIRBILL NO.: **N/A**

LOCATION IDENTIFIER	DATE	TIME	COMP/GRAB	SAMPLE ID	MATRIX	TOTAL NO. # OF CONTAINERS
	10/11/15	1300	Grab	CS-91 (Side wall 5.5)	SO	1
	10/11/15	1400	Grab	CS-92 (Side wall 11.5)	SO	1
	10/11/15	1415	Grab	CS-93 (Side wall 11.5)	SO	1
	10/11/15	1420	Grab	CS-94 (Side wall 11.5)	SO	1
	10/11/15	1425	Grab	CS-95 (Side wall 11.5)	SO	1
	10/11/15	1549	Grab	CS-96 (Side wall 12.0)	SO	1
	10/11/15	1555	Grab	CS-97 (bottom 12.0)	SO	1
	10/11/15	1555	Grab	CS-98 (bottom 12.0)	SO	1
	10/11/15	1605	Grab	CS-99 (Side wall 12.0)	SO	1
	10/11/15	1615	Grab	CS-100 (Side wall 12.0)	SO	1
	10/11/15	1620	Grab	CS-101 (Side wall 12.0)	SO	1

AA - AMBIENT AIR SE - SEDIMENT SH - HAZARDOUS SOLID WASTE	SL - SLUDGE WP - DRINKING WATER WW - WASTE WATER	WG - GROUND WATER SO - SOIL DC - DRILL CUTTINGS
TB# - TRIP BLANK SD# - MATRIX SPIKE DUPLICATE	RB# - RINSE BLANK FR# - FIELD REPLICATE	N# - NORMAL ENVIRONMENTAL MS# - MATRIX SPIKE

RELINQUISHED BY (SIGNATURE)
Tom Urban

RELINQUISHED BY (SIGNATURE)
Tom Urban

RECEIVED BY (SIGNATURE)
Melissa Devo

RECEIVED FOR LAB BY (SIGNATURE)

Distribution: Original accompanies shipment, copy to coordinator field files

AECOM

LAB **Test America**

COOLER **1** of **1**

PAGE **1** of **1**

REMARKS	SAMPLE TYPE	BEGINNING DEPTH (IN FEET)	ENDING DEPTH (IN FEET)	FIELD LOT NO. # (RPMIS ONLY)
24 hr TAT	N ₁	5.5	5.5	-
	N ₁	1.5	1.5	-
	N ₁	1.5	1.5	-
	N ₁	1.5	1.5	-
	N ₁	1.5	1.5	-
	N ₁	12.0	12.0	-
	N ₁	12.0	12.0	-
	N ₁	12.0	12.0	-
	N ₁	12.0	12.0	-
	N ₁	12.0	12.0	-
	N ₁	5.0	5.0	-

LH - HAZARDOUS LIQUID WASTE
LF - FLOATING FREE PRODUCT ON GW TABLE

480-88271 Chain of Custody

ACCOMMODATE MULTIPLE SAMPLES IN A SINGLE DAY

SPECIAL INSTRUCTIONS

Melissa Devo - 1-26 PM

Temp 4.7 #11UE

Job Narrative
480-88271-1

Comments

No additional comments.

Receipt

The samples were received on 10/1/2015 4:50 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 4.7° C.

GC Semi VOA

Method(s) 8082A: All primary data is reported from the ZB-35 column.

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.

A=COM

Job Narrative
480-88355-1

Receipt

The samples were received on 10/2/2015 6:35 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 16.4° C.

GC Semi VOA

Method(s) 8082A: All primary data is reported from the ZB-35 column.

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.

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-88355-1
 SDG No.: _____
 Client Sample ID: CS-103 (SIDEWALL 5.0) Lab Sample ID: 480-88355-2
 Instrument ID (1): HP5890-12 Instrument ID (2): HP5890-12
 Date Analyzed (1): 10/05/2015 16:15 Date Analyzed (2): 10/05/2015 16:15
 GC Column (1): ZB-5 ID: 0.25 (mm) GC Column (2): ZB-35 ID: 0.53 (mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
PCB-1260	1	1	4.17	4.14	4.20	1.38	1.2	5.2
		2	4.39	4.36	4.42	1.45		
		3	4.52	4.49	4.55	1.08		
		4	4.91	4.88	4.94	1.03		
	2	1	4.03	4.00	4.06	1.51	1.2	
		2	4.34	4.31	4.37	1.06		
		3	4.48	4.45	4.51	1.14		
		4	4.81	4.78	4.84	0.986		

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20151005-46918.b\12_346_026.D
 Lims ID: 480-88355-A-2-A Lab Sample ID: 480-88355-2
 Client ID: CS-103 (SIDEWALL 5.0)
 Sample Type: Client
 Inject. Date: 05-Oct-2015 16:15:22 ALS Bottle#: 0 Worklist Smp#: 19
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info:
 Operator ID: buftchrom Instrument ID: HP5890-12
 Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20151005-46918.b\hp12_pcb.m
 Limit Group: GC - 8082A PCB ICAL
 Last Update: 06-Oct-2015 11:00:39 Calib Date: 01-Aug-2015 19:42:19
 Integrator: Falcon
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\12_339_318.D
 Column 1 : ZB-5 (0.25 mm) Det: Ch-A-7A136
 Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
 Process Host: XAWRK008

First Level Reviewer: sobolk

Date:

06-Oct-2015 11:00:39

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/uL	Flags
-----	--------------	------------------	------------------	----------	--------------------	-------

\$ 3 Tetrachloro-m-xylene

1	1.649	1.648	0.001	52558	0.0187	
2	1.277	1.277	0.000	31439	0.0209	

RPD = 11.00

6 PCB-1016

M

1	2.205	2.207	-0.002	1452	0.0102	
1	2.345	2.344	0.001	697	0.008383	
1	2.543	2.540	0.003	1794	0.007515	M
1	2.629	2.623	0.006	600	0.005803	M
Average of Peak Amounts =					0.007969	
2	1.936	1.934	0.002	1136	0.009510	M
2	2.225	2.223	0.002	1027	0.006835	
2	2.315	2.335	-0.020	240	0.003436	M
2	2.692	2.696	-0.004	1546	0.0211	
Average of Peak Amounts =					0.0102	

RPD = 24.79

LOD = 0.0100

9 PCB-1260

M

1	4.170	4.168	0.002	82674	0.3215	
1	4.390	4.389	0.001	74655	0.3376	
1	4.523	4.523	0.000	55633	0.2504	
1	4.913	4.913	0.000	72066	0.2391	
Average of Peak Amounts =					0.2872	
2	4.034	4.032	0.002	55046	0.3502	M
2	4.344	4.344	0.000	22857	0.2463	
2	4.483	4.483	0.000	56602	0.2643	
2	4.807	4.805	0.002	41959	0.2291	
Average of Peak Amounts =					0.2725	

RPD = 5.25

CHAIN OF CUSTODY RECORD

PROJECT NO. 60442945
 SITE NAME GE TONAWANDA

SAMPLERS (PRINT/SIGNATURE)
 Tom Urban / Tom Urban

DELIVERY SERVICE: Drop off AIRBILL NO.: N/A

LOCATION IDENTIFIER	DATE	TIME	COMP/GRAB	SAMPLE ID	MATRIX
	10/6/15	1040	Grab	CS-104 (Bottom 1-5)	SO
		1115	Grab	CS-107 (Bottom 1-5)	SO
		1135	Grab	CS-109 (Side wall 1-5)	SO
		1140	Grab	CS-110 (Bottom 1-5)	SO
		1230	Grab	CS-113 (Bottom 1-5)	SO
		1240	Grab	CS-114 (Side wall 1-5)	SO
		1245	Grab	CS-115 (Side wall 1-5)	SO

TOTAL NO. # OF CONTAINERS

402 CWS
 10224

80824

AECOM

LAB Test America
 COOLER 1 of 1
 PAGE 1 of 1

REMARKS	SAMPLE TYPE	BEGINNING DEPTH (IN FEET)	ENDING DEPTH (IN FEET)	FIELD LOT NO. # (RPMs ONLY)
24 hr TAT	N ₁	1.5	1.5	-
3 DAY TAT	N ₁	1.5	1.5	-
↓	N ₁	1.0	1.0	-
24 hr TAT	N ₁	1.5	1.5	-
3 DAY TAT	N ₁	2.0	2.0	-
3 DAY TAT	N ₁	2.0	2.0	-



480-88492 Chain of Custody

WO - OCEAN WATER
 WS - SURFACE WATER
 WQ - WATER FIELD QC

LH - HAZARDOUS LIQUID WASTE
 LF - FLOATING/FREE PRODUCT ON GW TABLE

WL - LEACHATE
 GS - SOIL GAS
 WC - DRILLING WATER

WG - GROUND WATER
 SO - SOIL
 DC - DRILL CUTTINGS

SL - SLUDGE
 WP - DRINKING WATER
 WW - WASTE WATER

AA - AMBIENT AIR
 SE - SEDIMENT
 SH - HAZARDOUS SOLID WASTE

TB# - TRIP BLANK
 SD# - MATRIX SPIKE DUPLICATE

RB# - RINSE BLANK
 FR# - FIELD REPLICATE

(# - SEQUENTIAL NUMBER FROM 1 TO 9) TO ACCOMMODATE MULTIPLE SAMPLES IN A SINGLE DAY)

SPECIAL INSTRUCTIONS

Melissa Devo - lab PM

DATE 10/6/15

RECEIVED BY (SIGNATURE)

RECEIVED FOR LAB BY (SIGNATURE)

DATE 10/6/15

DATE 10/6/15

RELINQUISHED BY (SIGNATURE)

RELINQUISHED BY (SIGNATURE)

13.1°C / water ice #4

Distribution: Original accompanies shipment, copy to coordinator field files

Job Narrative
480-88492-1

Receipt

The samples were received on 10/6/2015 3:15 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 13.1° C.

Receipt Exceptions

All samples were received at the laboratory outside the required temperature criteria. The samples are considered acceptable since it was collected and submitted to the laboratory on the same day and there is evidence that the chilling process has begun.

GC Semi VOA

Method(s) 8082A: All primary data is reported from the ZB-35 column

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.

Job Narrative
480-88492-2

Receipt

The samples were received on 10/6/2015 3:15 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 13.1° C.

GC Semi VOA

Method(s) 8082A: The following sample was diluted to bring the concentration of target analytes within the calibration range: CS-109 (Sidewall 1.0) (480-88492-3). Elevated reporting limits (RLs) are provided.

Method(s) 8082A: All primary data is reported from the ZB-5 column

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.

CHAIN OF CUSTODY RECORD

PROJECT NO.

60442945

SITE NAME

GE TONAWANDA

SAMPLERS (PRINT/SIGNATURE)

John Boyd

[Signature]

DELIVERY SERVICE:

AIRBILL NO.:

LOCATION IDENTIFIER	DATE	TIME	COMP/GRAB	SAMPLE ID	MATRIX
	10/2/15	1327	GRAB	CS-117 (5100-400)	SO
	10/7/15	1650	GRAB	CS-118 (5100-400)	SO
	10/2/15	1705	GRAB	CS-119 (Bottom 2.0)	SO

TOTAL NO. # OF CONTAINERS

402 glass

PCBs (80824)

BOILER ROOM AND RESERVATION

REMARKS

3 day T.A.T N1 0505
24 hr T.A.T N1 2525
24 hr. T.A.T N1 2020



480-88611 Chain of Custody

SAMPLE TYPE
BEGINNING DEPTH (IN FEET)
ENDING DEPTH (IN FEET)
FIELD LOT NO. # (RPPMS ONLY)

AECOM

LAB TEST AMERICA

COOLER 1 of 1

PAGE 1 of 1

LH - HAZARDOUS LIQUID WASTE
LF - FLOATING/FREE PRODUCT ON GW TABLE

WO - OCEAN WATER
WS - SURFACE WATER
WQ - WATER FIELD QC

WL - LEACHATE
GS - SOIL GAS
WC - DRILLING WATER

SL - SLUDGE
WP - DRINKING WATER
WW - WASTE WATER

AA - AMBIENT AIR
SE - SEDIMENT
SH - HAZARDOUS SOLID WASTE

TB# - TRIP BLANK
SD# - MATRIX SPIKE DUPLICATE

RB# - RINSE BLANK
FR# - FIELD REPLICATE

N# - NORMAL ENVIRONMENTAL SAMPLE
MS# - MATRIX SPIKE

(# - SEQUENTIAL NUMBER (FROM 1 TO 9) TO ACCOMMODATE MULTIPLE SAMPLES IN A SINGLE DAY)

RELINQUISHED BY (SIGNATURE)

DATE

RECEIVED BY (SIGNATURE)

DATE

TIME

SPECIAL INSTRUCTIONS

Melissa Devo Lab PM

RELINQUISHED BY (SIGNATURE)

DATE

RECEIVED FOR LAB BY (SIGNATURE)

DATE

TIME

Distribution: Original accompanies shipment, copy to coordinator field files

25 #1

Job Narrative
480-88611-1

Receipt

The samples were received on 10/7/2015 5:44 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.5° C.

GC Semi VOA

Method(s) 8082A: All primary data is reported from the ZB-5 column.

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.

Job Narrative
480-88611-2

Receipt

The samples were received on 10/7/2015 5:44 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.5° C.

GC Semi VOA

Method(s) 8082A: All primary data is reported from the ZB-5 column.

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.

CHAIN OF CUSTODY RECORD

PROJECT NO. 60442945 SITE NAME GE Tonawanda
 SAMPLERS (PRINT/SIGNATURE) Tom Urban / Tom Urban

DELIVERY SERVICE: Drop off AIRBILL NO.: N/A

LOCATION IDENTIFIER	DATE	TIME	COMP/GRAB	SAMPLE ID	MATRIX	TOTAL NO. # OF CONTAINERS
	10/9/15	1415	Grab	CS-120 (Bottom 1.0)	SO	1
	10/9/15	-	Grab	20151009-FD-1	SO	1
	10/9/15	1420	Grab	CS-121 (Bottom 1.5)	SO	1
	10/9/15	1600	Grab	20151009-RB-1	WQ	2

AA - AMBIENT AIR SE - SEDIMENT SH - HAZARDOUS SOLID WASTE	SI - SLUDGE WP - DRINKING WATER WW - WASTE WATER	WG - GROUND WATER SO - SOIL DC - DRILL CUTTINGS	WL - LEACHATE GS - SOIL GAS WC - DRILLING WATER	WO - OCEAN WATER WS - SURFACE WATER WQ - WATER FIELD OC	LH - HAZARDOUS LIQUID WASTE LF - FLOATING/FREE PRODUCT ON GW TABLE
---	--	---	---	---	---

RELINQUISHED BY (SIGNATURE) <u>Tom Urban</u>	DATE <u>10/9/15</u>	TIME <u>1650</u>	RECEIVED BY (SIGNATURE) <u>Chantelle</u>	DATE <u>10/9/15</u>	TIME <u>1650</u>
RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED FOR LAB BY (SIGNATURE)	DATE	TIME

Distribution: Original accompanies shipment, copy to coordinator field files

AECOM

LAB Test America
 COOLER 1 of 1
 PAGE 1 of 1

REMARKS	SAMPLE TYPE	BEGINNING DEPTH (IN FEET)	ENDING DEPTH (IN FEET)	FIELD LOT NO. # (RPMIS ONLY)
3 DAY TAT	N	1.0	1.0	-
3 DAY TAT	FD	1.0	1.0	-
24 hr TAT	N	1.5	1.5	-
	RB	-	-	-



480-88860 Chain of Custody

(# - SEQUENTIAL NUMBER (FROM 1 TO 8) TO ACCOMMODATE MULTIPLE SAMPLES IN A SINGLE DAY)

SPECIAL INSTRUCTIONS

Melissa Deyo - Lab PM
Temp 5.0 #1 ICE

Job Narrative
480-88860-1

Receipt

The samples were received on 10/9/2015 4:50 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 5.0° C.

GC Semi VOA

Method(s) 8082A: All primary data is reported from the ZB-5 column

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.

Job Narrative
480-88860-2

Receipt

The samples were received on 10/9/2015 4:50 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 5.0° C.

GC Semi VOA

Method(s) 8082A: All primary data is reported from the ZB-5 column.

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.

CHAIN OF CUSTODY RECORD

AECOM

PROJECT NO.

SITE NAME

GE TMA WANDA

SAMPLERS (PRINT/SIGNATURE)

PNN Boyo *[Signature]*

DELIVERY SERVICE:

AIRBILL NO.:

LOCATION IDENTIFIER

DATE

TIME

COMP/GRAB

SAMPLE ID

MATRIX

TOTAL NO. OF CONTAINERS

480-88931 Chain of Custody



REMARKS

DEPTH (IN FEET)
ENDING
DEPTH (IN FEET)
BEGINNING

SAMPLE TYPE

FIELD LOT NO. #
(RPMs ONLY)

3 day TAT
3 day TAT
3 day TAT

LH - HAZARDOUS LIQUID WASTE
LF - FLOATING/FREE PRODUCT ON GW TABLE

WO - OCEAN WATER
WS - SURFACE WATER
WQ - WATER FIELD QC

WL - LEACHATE
GS - SOIL GAS
WC - DRILLING WATER

WG - GROUND WATER
SO - SOIL
DC - DRILL CUTTINGS

SL - SLUDGE
WP - DRINKING WATER
WW - WASTE WATER

AA - AMBIENT AIR
SE - SEDIMENT
SH - HAZARDOUS SOLID WASTE

TB# - TRIP BLANK
SD# - MATRIX SPIKE DUPLICATE

N# - NORMAL ENVIRONMENTAL SAMPLE
MS# - MATRIX SPIKE

(# - SEQUENTIAL NUMBER (FROM 1 TO 9) TO ACCOMMODATE MULTIPLE SAMPLES IN A SINGLE DAY)

RELINQUISHED BY (SIGNATURE)

DATE

TIME

RECEIVED BY (SIGNATURE)

DATE

TIME

SPECIAL INSTRUCTIONS

Malissa Deyo Lab PM

RELINQUISHED BY (SIGNATURE)

DATE

TIME

RECEIVED FOR LAB BY (SIGNATURE)

DATE

TIME

Distribution: Original accompanies shipment, copy to coordinator field files

0.3 #1

Job Narrative
480-88931-1

Receipt

The samples were received on 10/12/2015 6:12 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 0.3° C.

GC Semi VOA

Method(s) 8082A: The following samples were diluted to bring the concentration of target analytes within the calibration range: CS-109A (SIDEWALL 2.0) (480-88931-1), (480-88931-A-1-A MS) and (480-88931-A-1-B MSD). Elevated reporting limits (RLs) are provided.

Method(s) 8082A: All primary data is reported from the ZB-35 column.

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.

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-88931-1
 SDG No.: _____
 Client Sample ID: CS-119A (BOTTOM 3.0) Lab Sample ID: 480-88931-2
 Instrument ID (1): HP5890-12 Instrument ID (2): HP5890-12
 Date Analyzed (1): 10/14/2015 15:55 Date Analyzed (2): 10/14/2015 15:55
 GC Column (1): ZB-5 ID: 0.25(mm) GC Column (2): ZB-35 ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
PCB-1260	1	1	4.17	4.14	4.20	0.170	0.13	2.3
		2	4.39	4.36	4.42	0.146		
		4	4.92	4.88	4.94	0.118		
	2	1	4.04	4.00	4.06	0.160	0.14	
		2	4.34	4.31	4.37	0.185		

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20151014-47262.b\12_346_302.D
 Lims ID: 480-88931-A-2-A Lab Sample ID: 480-88931-2
 Client ID: CS-119A (BOTTOM 3.0)
 Sample Type: Client
 Inject. Date: 14-Oct-2015 15:55:24 ALS Bottle#: 0 Worklist Smp#: 11
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info:
 Operator ID: buftchrom Instrument ID: HP5890-12
 Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20151014-47262.b\hp12_pcb.m
 Limit Group: GC - 8082A PCB ICAL
 Last Update: 15-Oct-2015 10:01:34 Calib Date: 01-Aug-2015 19:42:19
 Integrator: Falcon
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\12_339_318.D
 Column 1 : ZB-5 (0.25 mm) Det: Ch-A-7A136
 Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
 Process Host: XAWRK010

First Level Reviewer: sobolk

Date:

15-Oct-2015 10:01:34

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/uL	Flags
-----	--------------	------------------	------------------	----------	--------------------	-------

\$ 3 Tetrachloro-m-xylene

1	1.649	1.648	0.001	56277	0.0201
2	1.278	1.277	0.001	32350	0.0215

RPD = 7.03

9 PCB-1260

1	4.173	4.169	0.004	8371	0.0326	M
1	4.393	4.391	0.002	6174	0.0279	M
1	4.521	4.524	-0.003	4427	0.0199	M
1	4.917	4.913	0.004	6798	0.0226	M

Average of Peak Amounts = 0.0257

2	4.036	4.033	0.003	4811	0.0306	M
2	4.344	4.343	0.001	3292	0.0355	M
2	4.487	4.483	0.004	3744	0.0175	
2	4.810	4.806	0.004	3986	0.0218	M

Average of Peak Amounts = 0.0263

RPD = 2.28

\$ 12 DCB Decachlorobiphenyl

1	6.251	6.249	0.002	62906	0.0181
2	5.696	5.693	0.003	60204	0.0228

RPD = 22.80

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

COPPER_00057

Amount Added: 1.00

Units: mL

Run Reagent

CHAIN OF CUSTODY RECORD

PROJECT NO. 60442945
 SITE NAME GE Tonnawanda
 SAMPLERS (PRINT/SIGNATURE) Tom Urban / Tom Urban

DELIVERY SERVICE: Drop Off AIRBILL NO.: N/A

LOCATION IDENTIFIER	DATE	TIME	COMP/GRAB	SAMPLE ID	MATRIX	TOTAL NO. # OF CONTAINERS
	10/13/15	1300	Grab	CS-127 (sidewalk 0.5)	SO	1
		1305		CS-127 (bottom 2.0)	SO	1
		1307		CS-129 (sidewalk 0.5)	SO	1
		1315		CS-130 (sidewalk 0.5)	SO	1
		1355		CS-134 (sidewalk 0.5)	SO	1
		1420	↓	CS-138 (sidewalk 0.5)	SO	1
		1515	~	2015P13 - RB-1	WQ	2

AA - AMBIENT AIR BE - SEDIMENT SH - HAZARDOUS SOLID WASTE	SL - SLUDGE WP - DRINKING WATER WW - WASTE WATER	WG - GROUND WATER SO - SOIL DC - DRILL CUTTINGS	WL - LEACHATE GS - SOIL GAS WC - DRILLING WATER	WO - OCEAN WATER WS - SURFACE WATER WQ - WATER FIELD QC	LH - HAZARDOUS LIQUID WASTE LF - FLOATING/FREE PRODUCT ON GW TABLE
TS# - TRIP BLANK SD# - MATRIX SPIKE DUPLICATE	FB# - RINSE BLANK FR# - FIELD REPLICATE	N# - NORMAL ENVIRONMENTAL SAMPLE MS# - MATRIX SPIKE			

RELINQUISHED BY (SIGNATURE) Tom Urban DATE 10/15/15 TIME 15:55
 RECEIVED BY (SIGNATURE) Cris Camp DATE 10-13-15 TIME 15:55
 RELINQUISHED BY (SIGNATURE) _____ DATE _____ TIME _____
 RECEIVED FOR LAB BY (SIGNATURE) _____ DATE _____ TIME _____

Distribution: Original accompanies shipment, copy to coordinator field files

AECOM

LAB Test America
 COOLER 1 of 1
 PAGE 1 of 1

REMARKS	SAMPLE TYPE	BEGINNING DEPTH (IN FEET)	ENDING DEPTH (IN FEET)	FIELD LOT NO. # (RPPMS ONLY)
3 DAY TAT	N ₁	0.5	0.5	—
	N ₁	2.0	2.0	—
	N ₁	0.5	0.5	—
	N ₁	0.5	0.5	—
	N ₁	0.5	0.5	—
	N ₁	0.5	0.5	—
	RB ₁	—	—	—



480-88990 Chain of Custody

SPECIAL INSTRUCTIONS

Melissa Devo - lab PM

Temp 3.7 #1

Job Narrative
480-88990-1

Receipt

The samples were received on 10/13/2015 3:55 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 3.7° C.

GC Semi VOA

Method(s) 8082A: All primary data is reported from the ZB-5 column.

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

Organic Prep

Method(s) 3510C: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with analytical batch 480-268653.

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

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Buffalo

Job No.: 480-88990-1

SDG No.: _____

Client Sample ID: CS-134 (SIDEWALL 0.5)

Lab Sample ID: 480-88990-5

Instrument ID (1): HP6890-7

Instrument ID (2): HP6890-7

Date Analyzed (1): 10/14/2015 16:49

Date Analyzed (2): 10/14/2015 16:49

GC Column (1): ZB-5

ID: 0.53(mm)

GC Column (2): ZB-35

ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
PCB-1242	1	1	3.02	2.99	3.05	0.186	0.20	19.9
		2	3.11	3.07	3.13	0.114		
		3	3.56	3.53	3.59	0.309		
	2	1	2.72	2.69	2.75	0.309	0.17	
PCB-1260	1	1	4.66	4.63	4.69	0.832	0.87	23.8
		2	4.89	4.86	4.92	1.06		
		3	5.41	5.38	5.44	0.795		
		4	5.66	5.63	5.69	0.800		
	2	1	4.25	4.22	4.28	1.08	1.1	
		2	4.57	4.54	4.60	1.35		
		3	5.02	4.99	5.05	1.06		
		4	5.35	5.33	5.39	0.942		

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20151014-47249.b\7_386_091.D
 Lims ID: 480-88990-A-5-A Lab Sample ID: 480-88990-5
 Client ID: CS-134 (SIDEWALL 0.5)
 Sample Type: Client
 Inject. Date: 14-Oct-2015 16:49:34 ALS Bottle#: 0 Worklist Smp#: 21
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info:
 Operator ID: buftchrom Instrument ID: HP6890-7
 Method: \\ChromNA\Buffalo\ChromData\HP6890-07\20151014-47249.b\HP7-PCBS.m
 Limit Group: GC - 8082A PCB ICAL
 Last Update: 15-Oct-2015 10:48:03 Calib Date: 07-Aug-2015 02:50:41
 Integrator: Falcon
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Buffalo\ChromData\HP6890-07\20150807-45182.b\7_379_264.D
 Column 1 : Det: Ch-A-7A136
 Column 2 : Det: Ch-B-7b136
 Process Host: XAWRK010

First Level Reviewer: sobolk

Date:

15-Oct-2015 10:48:03

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/uL	Flags
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\$ 3 Tetrachloro-m-xylene

1	2.075	2.075	0.000	848072	0.0213
2	1.687	1.688	-0.001	763322	0.0223
RPD = 4.28					

4 PCB-1242

1	3.020	3.018	0.002	78370	0.0361
1	3.109	3.104	0.005	17966	0.0222
1	3.562	3.564	-0.002	44373	0.0599
1	0.000	3.804	-3.804	0	0
Average of Peak Amounts =					0.0394
2	2.718	2.716	0.002	109047	0.0599
2	2.840	2.830	0.010	3153	0.004574
2	0.000	3.443	-3.443	0	0
2	0.000	3.491	-3.491	0	0
Average of Peak Amounts =					0.0322

RPD = 19.93

9 PCB-1260

1	4.659	4.660	-0.001	275540	0.1614	M
1	4.888	4.890	-0.002	431461	0.2063	M
1	5.413	5.413	0.000	437925	0.1542	M
1	5.663	5.664	-0.002	210610	0.1552	M
Average of Peak Amounts =					0.1693	
2	4.253	4.254	-0.001	296613	0.2093	
2	4.572	4.572	0.000	311497	0.2621	
2	5.020	5.020	0.000	537101	0.2061	
2	5.353	5.355	-0.002	281506	0.1827	
Average of Peak Amounts =					0.2151	
RPD = 23.83						

> only 2 peaks identified :.
Not confirmed (u)

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Buffalo

Job No.: 480-88990-1

SDG No.: _____

Client Sample ID: CS-138 (SIDEWALL 0.5)

Lab Sample ID: 480-88990-6

Instrument ID (1): HP6890-7

Instrument ID (2): HP6890-7

Date Analyzed (1): 10/14/2015 17:05

Date Analyzed (2): 10/14/2015 17:05

GC Column (1): ZB-5

ID: 0.53(mm)

GC Column (2): ZB-35

ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
PCB-1254	1	1	3.98	3.96	4.02	0.178	0.34	13.9
		2	4.29	4.26	4.32	0.264		
		3	4.48	4.46	4.52	0.382		
		4	4.89	4.86	4.92	0.538		
	2	1	3.62	3.59	3.65	0.242	0.39	
		2	4.01	3.97	4.03	0.391		
		3	4.14	4.11	4.17	0.504		
		4	4.57	4.54	4.60	0.429		
PCB-1260	1	1	4.66	4.63	4.69	0.247	0.20	30.1
		3	5.41	5.38	5.44	0.167		
		4	5.66	5.63	5.69	0.191		
	2	1	4.25	4.22	4.28	0.349	0.27	
		3	5.02	4.99	5.05	0.230		
		4	5.35	5.33	5.39	0.240		

Job Narrative
480-88990-2

Receipt

The samples were received on 10/13/2015 3:55 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 3.7° C.

GC Semi VOA

Method(s) 8082A: All primary data is reported from the ZB-5 column.

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.

CHAIN OF CUSTODY RECORD

PROJECT NO. _____
 SITE NAME GE TONA WANDA
 SAMPLERS (PRINT/SIGNATURE) John Boyd [Signature]

DELIVERY SERVICE: Drop off AIRBILL NO.: _____

LOCATION IDENTIFIER DATE TIME COMP/GRAB SAMPLE ID MATRIX
10/15/15 16/10 GRAB CS-146 (SURFACELLO-5) SD

TOTAL NO. # OF CONTAINERS 1

402
9/15/15

TOTAL READS
8082A

AECOM

LAB TEST America
 COOLER 1 of 1
 PAGE 1 of 1

REMARKS
24 m. TAT
 BEGINNING DEPTH (IN FEET) 050.5
 ENDING DEPTH (IN FEET) -
 FIELD LOT NO. # -



AA - AMBIENT AIR SE - SEDIMENT SH - HAZARDOUS SOLID WASTE
 SL - SLUDGE WP - DRINKING WATER WW - WASTE WATER
 WB - LEACHATE CS - SOIL GAS WC - DRILLING WATER
 WO - OCEAN WATER WS - SURFACE WATER WQ - WATER FIELD QC
 LH - HAZARDOUS LIQUID WASTE LF - FLOATING/FREE PRODUCT ON GW TABLE

RELINQUISHED BY (SIGNATURE) [Signature] DATE 10/15/15 TIME 1750
 RELINQUISHED BY (SIGNATURE) [Signature] DATE 10/15/15 TIME 1750

SPECIAL INSTRUCTIONS
Melissa Devo Lab PM

Distribution: Original accompanies shipment, copy to coordinator field files

3.041

Job Narrative
480-89241-1

Receipt

The sample was received on 10/15/2015 5:50 PM; the sample arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 3.0° C.

GC Semi VOA

Method(s) 8082A: All primary data is reported from the ZB-5 column.

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.

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-89241-1
 SDG No.: _____
 Client Sample ID: CS-146 (SIDEWALL 0.5) Lab Sample ID: 480-89241-1
 Instrument ID (1): HP6890-7 Instrument ID (2): HP6890-7
 Date Analyzed (1): 10/16/2015 13:33 Date Analyzed (2): 10/16/2015 13:33
 GC Column (1): ZB-5 ID: 0.53(mm) GC Column (2): ZB-35 ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
PCB-1248	1	1	3.56	3.53	3.59	0.106	0.19	29.7
		2	3.77	3.74	3.80	0.134		
		4	3.94	3.92	3.98	0.343		
	2	1	3.20	3.17	3.23	0.134	0.26	
		2	3.44	3.41	3.47	0.235		
		3	3.49	3.46	3.52	0.418		
PCB-1260	1	1	4.66	4.63	4.69	2.56	2.7	12.5
		2	4.89	4.86	4.92	3.91		
		3	5.41	5.38	5.44	2.00		
		4	5.66	5.63	5.69	2.33		
	2	1	4.25	4.22	4.28	3.62	3.1	
		3	5.02	4.99	5.05	2.83		
		4	5.35	5.32	5.38	2.73		

Job Narrative
480-89281-1

Receipt

The sample was received on 10/16/2015 10:35 AM; the sample arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 3.4° C.

GC Semi VOA

Method(s) 8082A: All primary data is reported from the ZB-35 column.

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.

DATA USABILITY SUMMARY REPORT

for

LAMAR PROPERTY

**CORRECTIVE MEASURES IMPLEMENTATION
AUGUST - OCTOBER 2015**

NYSDEC PERMIT ID 9-1464-00044/00001

**CORRECTIVE MEASURES IMPLEMENTATION PROGRAM
GENERAL ELECTRIC PARTS AND REPAIR SERVICE CENTER**

TONAWANDA, NEW YORK

NYSDEC SITE NO. 915244

EPA ID: NYD067539940

Analyses Performed by:

TESTAMERICA LABORATORIES, INC.

AMHERST, NEW YORK

Prepared for:

GENERAL ELECTRIC INTERNATIONAL, INC.

319 GREAT OAKS BOULEVARD

ALBANY, NEW YORK

Prepared by:

AECOM

257 WEST GENESEE STREET, SUITE 400

BUFFALO, NY 14202-2657

FEBRUARY 2016

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TABLES (Following Text)

Table 1 Summary of Data Qualifications

ATTACHMENTS

Attachment A Validated Form 1s

Attachment B Support Documentation

I. INTRODUCTION

This Data Usability Summary Report (DUSR) has been prepared by AECOM following the guidelines provided in New York State Department of Environmental Conservation (NYSDEC) Division of Environmental Remediation *DER-10, Technical Guidance for Site Investigation and Remediation, Appendix 2B - Guidance for Data Deliverables and the Development of Data Usability Summary Reports*, May 2010. Discussed in this DUSR are the analytical data for: two (2) soil samples and one (1) field duplicate (FD). The soil samples were collected from the Lamar property on September 1, 2015.

The samples were collected by AECOM under NYSDEC Permit Number 9-1464-00044/00001 for the Corrective Measures Implementation Program at the General Electric Parts and Repair Service Center, located in Tonawanda, New York (NYSDEC Site ID Number 915244; EPA ID: NYD067539940), as part of the Confirmation Sampling Program described in the *Corrective Measures Implementation Design Report* (AECOM, January 16, 2015). The samples were sent to TestAmerica Laboratories, Inc., located in Amherst, New York, which is New York State Department of Health (NYSDOH) Environmental Laboratory Approval Program (ELAP) certified.

II. ANALYTICAL METHODOLOGIES AND DATA VALIDATION PROCEDURES

The samples were analyzed for polychlorinated biphenyls (PCBs) in accordance with United States Environmental Protection Agency (USEPA) Method SW8082A.

A limited data validation was performed on the samples following the guidelines in the following USEPA Region II document:

- *Validating PCB Compounds by Gas Chromatography SW-846 Method 8082A*, SOP HW-45, Revision 1, October 2006.

The limited data validation included a review of: completeness of all required deliverables; holding times; quality control (QC) results (i.e., blanks, instrument calibrations, MS/MSD recoveries, duplicate precision, and laboratory control sample recoveries) to determine if the data are within the protocol-required QC limits and specifications; a determination that all samples were analyzed using established and agreed upon analytical protocols; an evaluation of the raw data to confirm the results provided in the data summary sheets; and a review of laboratory data qualifiers.

Qualifications applied to the data during the limited data validation include 'NJ' (tentatively identified). Definitions of USEPA data qualifiers are presented at the end of this text. A summary of data qualifications is presented on Table 1. Validated Form 1s have been presented in Attachment A. Documentation supporting the qualification of data is presented in Attachment B. Only analytical deviations affecting data usability are discussed in this report.

III. DATA DELIVERABLE COMPLETENESS

Full deliverable data packages (i.e., NYSDEC ASP Category B or equivalent) were provided by the laboratory, and included all reporting forms and raw data necessary to fully evaluate and verify the reported analytical results.

IV. SAMPLE RECEIPT/PRESERVATION/HOLDING TIMES

All samples were received by the laboratory intact, properly preserved, and under proper chain-of-custody (COC). All samples were analyzed within the required holding times.

V. NON-CONFORMANCES

Dual-Column Precision/PCB Identification

Per Method 8082A, PCB dual-column identification is qualitatively based on pattern recognition and quantitatively based on concentrations at or above the laboratory's method detection limit (MDL). If PCB dual-column identifications were deemed questionable during the data review [i.e., pattern not clearly identifiable (weathered or minimum number of peaks identified) and/or results reported near the method detection limit (MDL)], the detected results were qualified 'NJ' using professional judgment.

In accordance with the laboratory's standard operating procedure, quantitative determination includes evaluating peak response below the MDL. Due to laboratory software limitations, peak responses below the MDL that are used for PCB quantitation are not included on the Identification Summaries (i.e., Form 10).

All affected sample results requiring data qualification based on the above referenced scenario are listed on Table 1. Documentation supporting the qualification of the data (i.e., Form 10) is presented in Attachment B.

VI. SAMPLE RESULTS AND REPORTING

All sample results were reported in accordance with method requirements and were adjusted for sample volume, dilution, and moisture content. Results reported below the reporting limit (RL), but greater than the MDL, are qualified 'J' by the laboratory.

Field Duplicate Samples

A field duplicate was collected on sample CS-19 (Bottom 1.0') [20150901-FD-1]. Similar concentrations were observed in the samples and their respective field duplicates (i.e., relative percent difference <50%) indicating good field and analytical precision. Note, USEPA Region II validation guidelines do not require data qualification for field duplicate precision.

VII. SUMMARY

All sample analyses were found to be compliant with the data validation and/or method criteria, except where previously noted. Those results qualified 'NJ' (tentatively identified) during the data review are considered conditionally usable. All other sample results are usable as reported. Variances from USEPA Region II data validation and/or method criteria were not significant enough to warrant rejection of the data. AECOM does not recommend the re-collection of any samples at this time.

For sample results qualified during the data review, the uncertainty is not of sufficient magnitude to change project-specific conclusions reached based on the data. For samples with no PCBs detected, it can be concluded with a high level of certainty that the soil represented by those samples does not contain PCBs greater than or equal to 1 milligram per kilogram (mg/kg).

Prepared By: Peter R. Fairbanks, Senior Chemist *RF* Date: 2/8/16

Reviewed By: George E. Kisluk, Senior Chemist *GEL* Date: 2/8/16

DEFINITIONS OF USEPA REGION II DATA QUALIFIERS

- ND** – The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
- J** – The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
- UJ** – The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
- R** – The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.
- D** – The sample results are reported from a secondary dilution.
- NJ** – The analysis indicates the present of an analyte that has been “tentatively identified” and the associated value represents its approximate concentration.

TABLE 1
SUMMARY OF DATA QUALIFICATIONS
GENERAL ELECTRIC PARTS AND REPAIR SERVICE CENTER
FOR
LAMAR PROPERTY

SAMPLE ID	FRACTION	ANALYTICAL DEVIATION	QUALIFICATION
CS-21 (Sidewall 0.5')	PCB	AR1260 pattern not clearly identifiable.	Qualify detected result 'NJ'.

ATTACHMENT A
VALIDATED FORM 1s

Analytical Data

Client: AECOM Technical Services Inc.

Job Number: 480-86457-1

Client Sample ID: CS-19 (BOTTOM 1.0')

Lab Sample ID: 480-86457-1

Date Sampled: 09/01/2015 1310

Client Matrix: Solid

% Moisture: 9.7

Date Received: 09/01/2015 1702

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method: 8082A

Analysis Batch: 480-261681

Instrument ID: HP6890-7

Prep Method: 3550C

Prep Batch: 480-261622

Initial Weight/Volume: +2.08 g

Dilution: 1.0

Final Weight/Volume: 10 mL

Analysis Date: 09/03/2015 0052

Injection Volume: 1 µL

Prep Date: 09/02/2015 1047

Result Type: PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
PCB-1016		ND		0.052	0.27
PCB-1221		ND		0.052	0.27
PCB-1232		ND		0.052	0.27
PCB-1242		ND		0.052	0.27
PCB-1248		ND		0.052	0.27
PCB-1254		ND		0.12	0.27
PCB-1260		0.88		0.12	0.27

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	102		60 - 154
DCB Decachlorobiphenyl	104		65 - 174

Analytical Data

Client: AECOM Technical Services Inc.

Job Number: 480-86457-1

Client Sample ID: 20150901-FD-1

[CS-19 (Bottom 1.0')]

Lab Sample ID: 480-86457-3

Date Sampled: 09/01/2015 0000

Client Matrix: Solid

% Moisture: 9.6

Date Received: 09/01/2015 1702

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method: 8082A	Analysis Batch: 480-261681	Instrument ID: HP6890-7
Prep Method: 3550C	Prep Batch: 480-261622	Initial Weight/Volume: +2.03 g
Dilution: 1.0		Final Weight/Volume: 10 mL
Analysis Date: 09/03/2015 0124		Injection Volume: 1 uL
Prep Date: 09/02/2015 1047		Result Type: PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
PCB-1016		ND		0.053	0.27
PCB-1221		ND		0.053	0.27
PCB-1232		ND		0.053	0.27
PCB-1242		ND		0.053	0.27
PCB-1248		ND		0.053	0.27
PCB-1254		ND		0.13	0.27
PCB-1260		0.53		0.13	0.27

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	106		60 - 154
DCB Decachlorobiphenyl	109		65 - 174

Analytical Data

Client: AECOM Technical Services Inc.

Job Number: 480-86457-1

Client Sample ID: CS-21 (SIDEWALL 0.5')

Lab Sample ID: 480-86457-2

Date Sampled: 09/01/2015 1338

Client Matrix: Solid

% Moisture: 14.7

Date Received: 09/01/2015 1702

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	480-261681	Instrument ID:	HP6890-7
Prep Method:	3550C	Prep Batch:	480-261622	Initial Weight/Volume:	+2.02 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	09/03/2015 0108			Injection Volume:	1 uL
Prep Date:	09/02/2015 1047			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
PCB-1016		ND		0.057	0.29
PCB-1221		ND		0.057	0.29
PCB-1232		ND		0.057	0.29
PCB-1242		ND		0.057	0.29
PCB-1248		ND		0.057	0.29
PCB-1254		ND		0.14	0.29
PCB-1260		0.17	N J	0.14	0.29
Surrogate		%Rec	Qualifier	Acceptance Limits	
Tetrachloro-m-xylene		102		60 - 154	
DCB Decachlorobiphenyl		102		65 - 174	

9/8/15
2

ATTACHMENT B

SUPPORT DOCUMENTATION

1-5498-0871

AECOM

[illegible]

Job Narrative
480-86457-1

Receipt

The samples were received on 9/1/2015 5:02 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 4.7° C.

GC Semi VOA

Method(s) 8082A: All primary data is reported from the ZB-5 column.

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.

DATA USABILITY SUMMARY REPORT
for
NEW YORK STATE DEPARTMENT OF TRANSPORTATION PROPERTY
CORRECTIVE MEASURES IMPLEMENTATION
AUGUST - OCTOBER 2015

NYSDEC PERMIT ID 9-1464-00044/00001
CORRECTIVE MEASURES IMPLEMENTATION PROGRAM
GENERAL ELECTRIC PARTS AND REPAIR SERVICE CENTER
TONAWANDA, NEW YORK
NYSDEC SITE NO. 915244
EPA ID: NYD067539940

Analyses Performed by:
TESTAMERICA LABORATORIES, INC.
AMHERST, NEW YORK

Prepared for:
GENERAL ELECTRIC INTERNATIONAL, INC.
319 GREAT OAKS BOULEVARD
ALBANY, NEW YORK

Prepared by:
AECOM
257 WEST GENESEE STREET, SUITE 400
BUFFALO, NY 14202-2657

FEBRUARY 2016

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TABLES (Following Text)

Table 1	Summary of Data Qualifications
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ATTACHMENTS

Attachment A	Validated Form 1s
Attachment B	Support Documentation

I. INTRODUCTION

This Data Usability Summary Report (DUSR) has been prepared by AECOM following the guidelines provided in New York State Department of Environmental Conservation (NYSDEC) Division of Environmental Remediation *DER-10, Technical Guidance for Site Investigation and Remediation, Appendix 2B - Guidance for Data Deliverables and the Development of Data Usability Summary Reports*, May 2010. Discussed in this DUSR are the analytical data for: eleven (11) soil samples. The soil samples were collected from the New York State Department of Transportation (NYSDOT) property between September 25 and October 6, 2015.

The samples were collected by AECOM under NYSDEC Permit Number 9-1464-00044/00001 for the Corrective Measures Implementation Program at the General Electric Parts and Repair Service Center, located in Tonawanda, New York (NYSDEC Site ID Number 915244; EPA ID: NYD067539940), as part of the Confirmation Sampling Program described in the *Corrective Measures Implementation Design Report* (AECOM, January 16, 2015). The samples were sent to TestAmerica Laboratories, Inc., located in Amherst, New York, which is New York State Department of Health (NYSDOH) Environmental Laboratory Approval Program (ELAP) certified.

II. ANALYTICAL METHODOLOGIES AND DATA VALIDATION PROCEDURES

The samples were analyzed for polychlorinated biphenyls (PCBs) in accordance with United States Environmental Protection Agency (USEPA) Method SW8082A.

A limited data validation was performed on the samples following the guidelines in the following USEPA Region II document:

- *Validating PCB Compounds by Gas Chromatography SW-846 Method 8082A*, SOP HW-45, Revision 1, October 2006.

The limited data validation included a review of: completeness of all required deliverables; holding times; quality control (QC) results (i.e., blanks, instrument calibrations, MS/MSD recoveries, duplicate precision, and laboratory control sample recoveries) to determine if the data are within the protocol-required QC limits and specifications; a determination that all samples were analyzed using established and agreed upon analytical protocols; an evaluation of

the raw data to confirm the results provided in the data summary sheets; and a review of laboratory data qualifiers.

Qualifications applied to the data during the limited data validation include 'J' (estimated concentration). Definitions of USEPA data qualifiers are presented at the end of this text. A summary of data qualifications is presented on Table 1. Validated Form 1s have been presented in Attachment A. Documentation supporting the qualification of data is presented in Attachment B. Only analytical deviations affecting data usability are discussed in this report.

III. DATA DELIVERABLE COMPLETENESS

Full deliverable data packages (i.e., NYSDEC ASP Category B or equivalent) were provided by the laboratory, and included all reporting forms and raw data necessary to fully evaluate and verify the reported analytical results.

IV. SAMPLE RECEIPT/PRESERVATION/HOLDING TIMES

All samples were received by the laboratory intact, properly preserved, and under proper chain-of-custody (COC), except for the following instances.

For samples collected on 9/28/15, the date of collection was not documented on the COC. The laboratory was able to obtain this information from the sample bottles labels. This non-conformance does not affect the usability of the data.

The cooler temperature associated with the sample CS-116 (Sidewall 0.5') collected on 10/06/15 was above the QC limits of $4^{\circ}\text{C} \pm 2^{\circ}\text{C}$ upon receipt at the laboratory (i.e., 13.1°C). Since the sample was received at the laboratory on the same day as it was collected, there was not sufficient time for the sample to cool during transit. This non-conformance does not affect the usability of the data.

All samples were analyzed within the required holding times.

V. NON-CONFORMANCES

Dual-Column Precision/PCB Identification

The relative percent difference (RPD) between the dual-column analyses was greater than the USEPA Region II data validation QC limit of 25% for one or more PCBs for several samples. Note, the method QC limit for dual-column precision is 40%, whereupon dual-column results at or above the reporting limit (RL) and with RPDs >40% are qualified 'P' by the laboratory. The

detected results for the associated samples exceeding data validation QC limits of 25% were qualified 'J'.

All affected sample results requiring data qualification based on the above referenced scenarios are listed on Table 1. Documentation supporting the qualification of the data (i.e., Form 10) is presented in Attachment B.

VI. SAMPLE RESULTS AND REPORTING

All sample results were reported in accordance with method requirements and were adjusted for sample volume, dilution, and moisture content. Results reported below the RL, but greater than the MDL, are qualified 'J' by the laboratory.

VII. SUMMARY

All sample analyses were found to be compliant with the data validation and/or method criteria, except where previously noted. Those results qualified 'J' (estimated concentration) during the data review are considered conditionally usable. All other sample results are usable as reported. Variances from USEPA Region II data validation and/or method criteria were not significant enough to warrant rejection of the data. AECOM does not recommend the re-collection of any samples at this time.

For sample results qualified during the data review, the uncertainty is not of sufficient magnitude to change project-specific conclusions reached based on the data. For samples with no PCBs detected, it can be concluded with a high level of certainty that the soil represented by those samples does not contain PCBs greater than or equal to 1 milligram per kilogram (mg/kg).

Prepared By: Peter R. Fairbanks, Senior Chemist *PF* Date: 2/8/16

Reviewed By: George E. Kisluk, Senior Chemist *GK* Date: 2/8/16

DEFINITIONS OF USEPA REGION II DATA QUALIFIERS

- ND** – The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
- J** – The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
- UJ** – The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
- R** – The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.
- D** – The sample results are reported from a secondary dilution.
- NJ** – The analysis indicates the present of an analyte that has been “tentatively identified” and the associated value represents its approximate concentration.

TABLE 1
SUMMARY OF DATA QUALIFICATIONS
GENERAL ELECTRIC PARTS AND REPAIR SERVICE CENTER
FOR
NYS DT PROPERTY

SAMPLE ID	FRACTION	ANALYTICAL DEVIATION	QUALIFICATION
CS-85 (Sidewall 0.5')	PCB	Dual-column RPD >25% for AR1260.	Qualify detected result 'J'.

ATTACHMENT A
VALIDATED FORM 1s

Analytical Data

Client: AECOM Technical Services Inc.

Job Number: 480-88008-2

Client Sample ID: CS-76 (BOTTOM 1.0)

Lab Sample ID: 480-88008-6

Date Sampled: 09/28/2015 1345

Client Matrix: Solid

% Moisture: 18.5

Date Received: 09/28/2015 1900

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method: 8082A

Analysis Batch: 480-266016

Instrument ID: HP6890-7

Prep Method: 3550C

Prep Batch: 480-265972

Initial Weight/Volume: +2.39 g

Dilution: 1.0

Final Weight/Volume: 10 mL

Analysis Date: 09/29/2015 1538

Injection Volume: 1 uL

Prep Date: 09/29/2015 0818

Result Type: PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
PCB-1016		ND		0.050	0.26
PCB-1221		ND		0.050	0.26
PCB-1232		ND		0.050	0.26
PCB-1242		ND		0.050	0.26
PCB-1248		ND		0.050	0.26
PCB-1254		ND		0.12	0.26
PCB-1260		0.41		0.12	0.26

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	97		60 - 154
DCB Decachlorobiphenyl	89		65 - 174

Analytical Data

Client: AECOM Technical Services Inc.

Job Number: 480-88008-2

Client Sample ID: CS-77 (BOTTOM 1.0)

Lab Sample ID: 480-88008-7

Date Sampled: 09/28/2015 1317

Client Matrix: Solid

% Moisture: 16.5

Date Received: 09/28/2015 1900

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	480-266016	Instrument ID:	HP6890-7
Prep Method:	3550C	Prep Batch:	480-265972	Initial Weight/Volume:	+2.63 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	09/29/2015 1554			Injection Volume:	1 uL
Prep Date:	09/29/2015 0818			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
PCB-1016		ND		0.045	0.23
PCB-1221		ND		0.045	0.23
PCB-1232		ND		0.045	0.23
PCB-1242		ND		0.045	0.23
PCB-1248		ND		0.045	0.23
PCB-1254		ND		0.11	0.23
PCB-1260		ND		0.11	0.23

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	99		60 - 154
DCB Decachlorobiphenyl	96		65 - 174

Analytical Data

Client: AECOM Technical Services Inc.

Job Number: 480-87953-1

Client Sample ID: CS-78 (BOTTOM 1.0)

Lab Sample ID: 480-87953-1

Date Sampled: 09/25/2015 1230

Client Matrix: Solid

% Moisture: 14.1

Date Received: 09/25/2015 1348

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	480-266209	Instrument ID:	HP6890-7
Prep Method:	3550C	Prep Batch:	480-266056	Initial Weight/Volume:	+2.18 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	09/30/2015 1134			Injection Volume:	1 uL
Prep Date:	09/29/2015 1328			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
PCB-1016		ND		0.052	0.27
PCB-1221		ND		0.052	0.27
PCB-1232		ND		0.052	0.27
PCB-1242		ND		0.052	0.27
PCB-1248		ND		0.052	0.27
PCB-1254		ND		0.12	0.27
PCB-1260		ND		0.12	0.27

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	101		60 - 154
DCB Decachlorobiphenyl	96		65 - 174

Analytical Data

Client: AECOM Technical Services Inc.

Job Number: 480-87953-1

Client Sample ID: CS-79 (SIDEWALL 0.5)

Lab Sample ID: 480-87953-2

Date Sampled: 09/25/2015 1240

Client Matrix: Solid

% Moisture: 19.2

Date Received: 09/25/2015 1348

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	480-266209	Instrument ID:	HP6890-7
Prep Method:	3550C	Prep Batch:	480-266056	Initial Weight/Volume:	+2.11 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	09/30/2015 1150			Injection Volume:	1 uL
Prep Date:	09/29/2015 1328			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
PCB-1016		ND		0.057	0.29
PCB-1221		ND		0.057	0.29
PCB-1232		ND		0.057	0.29
PCB-1242		ND		0.057	0.29
PCB-1248		ND		0.057	0.29
PCB-1254		ND		0.14	0.29
PCB-1260		1.4		0.14	0.29

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	95		60 - 154
DCB Decachlorobiphenyl	83		65 - 174

Analytical Data

Client: AECOM Technical Services Inc.

Job Number: 480-87953-1

Client Sample ID: CS-80 (SIDEWALL 0.5)

Lab Sample ID: 480-87953-3

Date Sampled: 09/25/2015 1242

Client Matrix: Solid

% Moisture: 16.5

Date Received: 09/25/2015 1348

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	480-266209	Instrument ID:	HP6890-7
Prep Method:	3550C	Prep Batch:	480-266056	Initial Weight/Volume:	+2.36 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	09/30/2015 1206			Injection Volume:	1 uL
Prep Date:	09/29/2015 1328			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
PCB-1016		ND		0.050	0.25
PCB-1221		ND		0.050	0.25
PCB-1232		ND		0.050	0.25
PCB-1242		ND		0.050	0.25
PCB-1248		ND		0.050	0.25
PCB-1254		ND		0.12	0.25
PCB-1260		0.29		0.12	0.25

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	100		60 - 154
DCB Decachlorobiphenyl	89		65 - 174

Analytical Data

Client: AECOM Technical Services Inc.

Job Number: 480-88008-2

Client Sample ID: CS-81 (SIDEWALL 0.5)

Lab Sample ID: 480-88008-1

Client Matrix: Solid

% Moisture: 16.7

Date Sampled: 09/28/2015 0955

Date Received: 09/28/2015 1900

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	480-266016	Instrument ID:	HP6890-7
Prep Method:	3550C	Prep Batch:	480-265972	Initial Weight/Volume:	+2.26 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	09/29/2015 1228			Injection Volume:	1 uL
Prep Date:	09/29/2015 0818			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
PCB-1016		ND		0.052	0.27
PCB-1221		ND		0.052	0.27
PCB-1232		ND		0.052	0.27
PCB-1242		ND		0.052	0.27
PCB-1248		ND		0.052	0.27
PCB-1254		ND		0.12	0.27
PCB-1260		ND		0.12	0.27

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	94		60 - 154
DCB Decachlorobiphenyl	90		65 - 174

Analytical Data

Client: AECOM Technical Services Inc.

Job Number: 480-88008-2

Client Sample ID: CS-82 (SIDEWALL 0.5)

Lab Sample ID: 480-88008-2

Date Sampled: 09/28/2015 1240

Client Matrix: Solid

% Moisture: 15.5

Date Received: 09/28/2015 1900

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	480-266016	Instrument ID:	HP6890-7
Prep Method:	3550C	Prep Batch:	480-265972	Initial Weight/Volume:	+2.39 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	09/29/2015 1435			Injection Volume:	1 uL
Prep Date:	09/29/2015 0818			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
PCB-1016		ND		0.048	0.25
PCB-1221		ND		0.048	0.25
PCB-1232		ND		0.048	0.25
PCB-1242		ND		0.048	0.25
PCB-1248		ND		0.048	0.25
PCB-1254		ND		0.12	0.25
PCB-1260		0.38		0.12	0.25

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	98		60 - 154
DCB Decachlorobiphenyl	92		65 - 174

Analytical Data

Client: AECOM Technical Services Inc.

Job Number: 480-88008-2

Client Sample ID: CS-83 (SIDEWALL 0.5)

Lab Sample ID: 480-88008-3

Date Sampled: 09/28/2015 1248

Client Matrix: Solid

% Moisture: 16.8

Date Received: 09/28/2015 1900

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	480-266016	Instrument ID:	HP6890-7
Prep Method:	3550C	Prep Batch:	480-265972	Initial Weight/Volume:	+2.37 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	09/29/2015 1451			Injection Volume:	1 uL
Prep Date:	09/29/2015 0818			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
PCB-1016		ND		0.050	0.25
PCB-1221		ND		0.050	0.25
PCB-1232		ND		0.050	0.25
PCB-1242		ND		0.050	0.25
PCB-1248		ND		0.050	0.25
PCB-1254		ND		0.12	0.25
PCB-1260		0.42		0.12	0.25

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	97		60 - 154
DCB Decachlorobiphenyl	90		65 - 174

Analytical Data

Client: AECOM Technical Services Inc.

Job Number: 480-88008-2

Client Sample ID: CS-84 (SIDEWALL 0.5)

Lab Sample ID: 480-88008-4

Date Sampled: 09/28/2015 1328

Client Matrix: Solid

% Moisture: 17.2

Date Received: 09/28/2015 1900

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	480-266016	Instrument ID:	HP6890-7
Prep Method:	3550C	Prep Batch:	480-265972	Initial Weight/Volume:	+2.88 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	09/29/2015 1506			Injection Volume:	1 uL
Prep Date:	09/29/2015 0818			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
PCB-1016		ND		0.041	0.21
PCB-1221		ND		0.041	0.21
PCB-1232		ND		0.041	0.21
PCB-1242		ND		0.041	0.21
PCB-1248		ND		0.041	0.21
PCB-1254		ND		0.098	0.21
PCB-1260		0.49		0.098	0.21

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	95		60 - 154
DCB Decachlorobiphenyl	87		65 - 174

Analytical Data

Client: AECOM Technical Services Inc.

Job Number: 480-88008-2

Client Sample ID: CS-85 (SIDEWALL 0.5)

Lab Sample ID: 480-88008-5

Date Sampled: 09/28/2015 1338

Client Matrix: Solid

% Moisture: 14.8

Date Received: 09/28/2015 1900

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	480-266016	Instrument ID:	HP6890-7
Prep Method:	3550C	Prep Batch:	480-265972	Initial Weight/Volume:	+2.13 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	09/29/2015 1522			Injection Volume:	1 uL
Prep Date:	09/29/2015 0818			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
PCB-1016		ND		0.054	0.28
PCB-1221		ND		0.054	0.28
PCB-1232		ND		0.054	0.28
PCB-1242		ND		0.054	0.28
PCB-1248		ND		0.054	0.28
PCB-1254		ND		0.13	0.28
PCB-1260		0.29 J		0.13	0.28

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	102		60 - 154
DCB Decachlorobiphenyl	96		65 - 174

12/2/15
m

Analytical Data

Client: AECOM Technical Services Inc.

Job Number: 480-88495-1

Client Sample ID: CS-116 (Sidewall 0.5)

Lab Sample ID: 480-88495-1

Date Sampled: 10/06/2015 1430

Client Matrix: Solid

% Moisture: 23.6

Date Received: 10/06/2015 1515

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	480-267460	Instrument ID:	HP6890-7
Prep Method:	3550C	Prep Batch:	480-267330	Initial Weight/Volume:	+2.26 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	10/07/2015 1604			Injection Volume:	1 uL
Prep Date:	10/07/2015 0749			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
PCB-1016		ND		0.057	0.29
PCB-1221		ND		0.057	0.29
PCB-1232		ND		0.057	0.29
PCB-1242		ND		0.057	0.29
PCB-1248		ND		0.057	0.29
PCB-1254		ND		0.14	0.29
PCB-1260		0.25	J	0.14	0.29

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	106		60 - 154
DCB Decachlorobiphenyl	101		65 - 174

ATTACHMENT B

SUPPORT DOCUMENTATION

Job Narrative
480-87953-1

Receipt

The samples were received on 9/25/2015 1:48 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 4.0° C.

GC Semi VOA

Method(s) 8082A: All primary data is reported from the ZB-5 column.

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.

CHAIN OF CUSTODY RECORD

PROJECT NO.

SITE NAME

CE TONAWANDA

SAMPLERS (PRINT/SIGNATURE)

Don Boryo

DELIVERY SERVICE: Deep W

AIRBILL NO.:

AECOM

LAB TEST America

COOLER 1 of 1

PAGE 1 of 1

CONTAINERS

4024/MS

LOCATION IDENTIFIER

DATE

TIME

COMP/GRAB

SAMPLE ID

MATRIX

TOTAL NO. # OF

CONTAINERS

REMARKS

DEPTH (IN FEET)

ENDING

DEPTH (IN FEET)

SAMPLE TYPE

FIELD LOT NO. #

(RPMs ONLY)

480-88008 Chain of Custody

WO - OCEAN WATER

WS - SURFACE WATER

WQ - WATER FIELD QC

WL - LEACHATE

GS - SOIL GAS

WC - DRILLING WATER

N# - NORMAL ENVIRONMENTAL SAMPLE

N# - MATRIX SPIKE

RB# - RINSE BLANK

FR# - FIELD REPLICATE

SD# - MATRIX SPIKE DUPLICATE

TA# - TRIP BLANK

SE - SEDIMENT

SH - HAZARDOUS SOLID WASTE

AA - AMBIENT AIR

WB - HAZARDOUS LIQUID WASTE

LF - FLOATING/FREE PRODUCT ON GW TABLE

RELINQUISHED BY (SIGNATURE)

DATE

TIME

RECEIVED BY (SIGNATURE)

DATE

TIME

RECEIVED FOR LAB BY (SIGNATURE)

DATE

TIME

SPECIAL INSTRUCTIONS

See Above for 24 hr. TAT.
Melissa Depo Lab PM

Distribution: Original accompanies shipment, copy to coordinator field files

2.2 #1

Job Narrative
480-88008-2

Receipt

The samples were received on 9/28/2015 7:00 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.2° C.

Receipt Exceptions

Sample dates not listed on COC. Logged in per bottle labels.

GC Semi VOA

Method(s) 8082A: All primary data is reported from the ZB-5 column.

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.

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-88008-2
 SDG No.: _____
 Client Sample ID: CS-85 (SIDEWALL 0.5) Lab Sample ID: 480-88008-5
 Instrument ID (1): HP6890-7 Instrument ID (2): HP6890-7
 Date Analyzed (1): 09/29/2015 15:22 Date Analyzed (2): 09/29/2015 15:22
 GC Column (1): ZB-5 ID: 0.53(mm) GC Column (2): ZB-35 ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
PCB-1260	1	1	4.70	4.67	4.73	0.283	0.29	29.5
		2	4.93	4.90	4.96	0.431		
		3	5.46	5.43	5.49	0.196		
		4	5.71	5.68	5.74	0.250		
	2	1	4.29	4.26	4.32	0.361	0.39	
		2	4.61	4.58	4.64	0.702		
		3	5.06	5.03	5.09	0.243		
		4	5.39	5.36	5.42	0.255		

Job Narrative
480-88495-1

Receipt

The sample was received on 10/6/2015 3:15 PM; the sample arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 13.1° C.

GC Semi VOA

Method(s) 8082A: All primary data is reported from the ZB-5 column.

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.