#### 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

### 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

#### **JANUARY 2016**

#### TABLE OF CONTENTS

I.	INTRODUCTION	1
II.	ANALYTICAL METHODOLOGIES AND DATA VALIDATION PROCEDURES	1
III.	DATA DELIVERABLE COMPLETENESS	2
IV.	SAMPLE RECEIPT/PRESERVATION/HOLDING TIMES	2
V.	NON-CONFORMANCES	2
VI.	SAMPLE RESULTS AND REPORTING	3
VII.	SUMMARY	3

#### TABLES

### (Following Text)

Table 1Summary 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: 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°C ± 2°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 recollection 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).

 

 PF Date:
 1/15/16 

 6H Date:
 1/15/16 
Prepared By: Peter R. Fairbanks, Senior Chemist

**Reviewed By: George E. Kisluk, Senior Chemist** 

#### **DEFINITIONS OF USEPA REGION II DATA QUALIFIERS**

- $\mathbf{U}$  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')	РСВ	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 ar1221.<="" for="" td=""><td>Qualify detected result 'U' at the RL.</td></rl>	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

Client: URS Corporation

Surrogate

Tetrachloro-m-xylene

DCB Decachlorobiphenyl

#### Job Number: 480-85924-1

Acceptance Limits

60 - 154

65 - 174

#### C

Client Sample ID:	CS-1 (SIDEWALL 0.5)					
Lab Sample ID: Client Matrix:	480-85924-1 Solid	% Moisture	e: 18.4		Date San Date Rec	npled: 08/20/2015 0828 æived: 08/20/2015 1017
	8082A Polychi	orinated Bipheny	ls (PCBs) by	Gas Chr	omatography	
Analysis Method: Prep Method: Dilution: Analysis Date: Prep Date:	8082A 3550C 1.0 08/20/2015 1432 08/20/2015 1051	Analysis Batch: Prep Batch:	480-259639 480-259633	In In In Re	strument ID: itial Weight/Volume: nal Weight/Volume: jection Volume: esult Type:	HP5890-12 +2.20 g 10 mL 1 uL PRIMARY
Analyte PCB-1016 PCB-1221 PCB-1232 PCB-1242 PCB-1248 PCB-1254 PCB-1254 PCB-1260	DryWt Corrected:	Y Result (n ND ND ND ND ND ND ND	ng/Kg)	Qualifier	MDL 0.054 0.054 0.054 0.054 0.054 0.13 0.13	RL 0.28 0.28 0.28 0.28 0.28 0.28 0.28 0.28

%Rec

95

109

Qualifier

Client: URS Corporation

#### Job Number: 480-85924-1

Client Sample ID:	CS-2 (BOTTOM 1.0)					
Lab Sample ID: Client Matrix:	480-85924-2 Solid	% Moisture	e: 17.1		Date San Date Rec	npled: 08/20/2015 0821 æived: 08/20/2015 1017
	8082A Polych	Iorinated Bipheny	ls (PCBs) by (	Gas Chrom	atography	
Analysis Method: Prep Method: Dilution: Analysis Date: Prep Date:	8082A 3550C 1.0 08/20/2015 1447 08/20/2015 1051	Analysis Batch: Prep Batch:	480-259639 480-259633	Instru Initia Final Injec Resu	ument ID: I Weight/Volume: I Weight/Volume: tion Volume: Ilt Type:	HP5890-12 +2.12 g 10 mL 1 uL PRIMARY
Analyte	DryWt Corrected	: Y Result (n	ng/Kg) C	Qualifier	MDL	RL
PCB-1016	уламдар 4 фал алалдарган Шарараа, на алалдар ул түүүүүүүүүүүүүүүүүүүүүүүүүүүүүүүүүүү	ND	analyzan and a survey by relative to any probability of the second second		0.056	0.28
PCB-1221		ND	<u>а</u>		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	C	Qualifier	Acceptan	ce Limits
Tetrachloro-m-xyle	ne	93			60 - 154	
DCB Decachlorobi	iphenyl	107			65 - 174	

#### 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-xviene 92 60 - 154 DCB Decachlorobiphenyl 103 65 - 174

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 RL MDL 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

#### Client: AECOM Technical Services Inc.

#### Job Number: 480-86458-1

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

Client Sample ID	: CS-31 (BOTTOM 1.0	)				
Lab Sample ID: Client Matrix:	480-86458-1 Solid	% Moisture	e: 6.4		Date San Date Rec	npled: 09/01/2015 1411 ceived: 09/01/2015 1702
	8082A Polyc	hlorinated Bipheny	ls (PCBs) by Gas	Chromatog	raphy	
Analysis Method: Prep Method: Dilution: Analysis Date: Prep Date:	8082A 3550C 1.0 09/03/2015 0140 09/02/2015 1047	Analysis Batch: Prep Batch:	480-261681 480-261622	Instrumen Initial Wei Final Weig Injection N Result Ty	t ID: ght/Volume: ght/Volume: /olume: pe:	HP6890-7 +2.03 g 10 mL 1 uL PRIMARY
Analyte	DryWt Correcte	d: Y Result (n	ng/Kg) Qua	lifier N	/IDL	RL
PCB-1016	Cold State & Jose Rowshite State (Cold State & State ) and the state of the stat	NĎ	* * # Tribuith Inflation & Salas # Service consideration of Salas		0.051	0.26
PCB-1221		ND		C	.051	0.26
PCB-1232		ND		C	.051	0.26
PCB-1242		ND		C	.051	0.26
PCB-1248		ND		C	.051	0.26
PCB-1254		ND		C	.12	0.26
PCB-1260		1.2		C	.12	0.26
Surrogate		%Rec	Qua	lifier	Acceptan	ce Limits
Tetrachloro-m-xyle		103	a na 1956 - Ian de Carlos de C	namin venez mte qanenta, n pa menepasite. Ak noemak	60 - 154	իսի ստեսներին, ինքի է նոկողի գրի է նաևու միջսնալ ուսուցություն, է է անաստաներ է հատությունները է չինչչին։
DCB Decachlorob	iphenyl	110			65 - 174	

Client: AECOM Technical Services Inc.

Job Number: 480-87000-1

<b>Client Sample ID</b>	CS-31A (BOTTOM	1.5')				
Lab Sample ID: Client Matrix:	480-87000-1 Solid	% Moisture	e: 10.5		Date Sar Date Red	npled: 09/10/2015 1120 ceived: 09/10/2015 1428
	8082A Poly	chlorinated Bipheny	ls (PCBs) by Gas	Chromato	graphy	
Analysis Method: Prep Method: Dilution: Analysis Date: Prep Date:	8082A 3550C 1.0 09/11/2015 1239 09/11/2015 0915	Analysis Batch: Prep Batch:	480-263040 480-263058	Instrume Initial W Final W Injectior Result T	ent ID: leight/Volume: eight/Volume: n Volume: Type:	HP6890-7 2.10 g 10 mL 1 uL PRIMARY
Analyte	DryWt Correct	ted: Y Result (m	ıg/Kg) Qua	lifier	MDL	RL
PCB-1016	il an an Ling ( a mar il 100 a statuar i 10 a 1 a line il 1 ( an a mar anna ann ann ann an 1	ND		and a subsection of the subsec	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	Qua	lifier	Acceptar	nce Limits
Tetrachloro-m-xyle	ene	94			60 - 154	nan an
DCB Decachlorob	iphenyl	93			65 - 174	

#### Client: AECOM Technical Services Inc.

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

Lab Sample ID: Client Matrix:	480-86458-2 Solid	% Moistur	e: 5.7		Date San Date Rec	npled: 09/01/2015 1414 ceived: 09/01/2015 1702
	8082A Poly	chlorinated Bipheny	is (PCBs) by G	as Chrom	atography	
Analysis Method: Prep Method: Dilution: Analysis Date: Prep Date:	8082A 3550C 5.0 09/03/2015 0156 09/02/2015 1047	Analysis Batch: Prep Batch:	480-261681 480-261622	Instru Initial Final Inject Resu	ument ID: Weight/Volume: Weight/Volume: tion Volume: It Type:	HP6890-7 +2.01 g 10 mL 1 uL PRIMARY
Analyte	DryWt Correct	ted: Y Result (n	ng/Kg) Q	ualifier	MDL	RL
PCB-1016	e in el 1977 - 189 person e a serie da la completa da las actuales da com	ND		Bolikkyrren Singeren og singer	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	Q	ualifier	Acceptan	ce Limits
Tetrachloro-m-xyle	ene	105	ine anteninen o est. A timbri biture al la cheritane resolution de la companya de la companya de la companya de	annaniste - 19a annan 1949, danis 1949-1949-1949-1949	60 - 154	effensive were ann i gi is gepressive en en el en esta en el serve desensivements transporte de ar-
DCB Decachlorob	iphenyl	134			65 - 174	

#### Client: AECOM Technical Services Inc.

Client Sample ID: Lab Sample ID: Client Matrix:	: CS-40(BOTTOM 1.0 480-86924-1 Solid	') 9	6 Moisture	e 179			Date Sar Date Rec	npled: 09/09/2015 094 ceived: 09/09/2015 134
	90924 Balu	hloringtod	Dishany					
Analysis Method: Prep Method: Dilution: Analysis Date:	8082A Poly 8082A 3550C 1.0 09/10/2015 1659	Analysi Prep B	s Batch: atch:	480-2629 480-2627 480-2627	04 81	Instrun Initial V Final V Injectio	nent ID: Veight/Volume: Veight/Volume: on Volume:	HP6890-7 +2.10 g 10 mL 1 uL
Prep Date:	09/10/2015 0819					Result	Туре:	PRIMARY
Analyte	DryWt Correcte	ed: Y	Result (m	ng/Kg)	Qualifi	er	MDL	RL
PCB-1016	name e anno mar a ser a mar a fair an a anno an ann an an ann an an an an an an an a	ale si i i i i i i i i i i i i i i i i i i	ND	a ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) (	ry etc. é despointificipalitatific é get in des	and the second sec	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		Qualifi	er	Acceptar	nce Limits
Tetrachloro-m-xyle	ene		100	laðasarðarlandi váðröði íráarfaðdirmaði hyrðar þefar þeðind rísa			60 - 154	mpanyas releasem ta aanaananis taalaardana pedékeunarikhita tely térkainték (ceskénet) tel
DCB Decachlorob	iphenyl		98				65 - 174	

#### Client: AECOM Technical Services Inc.

Client Sample ID:	CS-41(BOTTOM 1.0')					
Lab Sample ID: Client Matrix:	480-86924-2 Solid	% Moisture	e: 18.0		Date San Date Rec	npled: 09/09/2015 0951 æived: 09/09/2015 1345
	8082A Polych	lorinated Bipheny	ls (PCBs) by (	Gas Chron	natography	
Analysis Method: Prep Method: Dilution: Analysis Date: Prep Date:	8082A 3550C 1.0 09/10/2015 1715 09/10/2015 0819	Analysis Batch: Prep Batch:	480-262904 480-262781	Insti Initia Fina Injeo Res	rument ID: al Weight/Volume: al Weight/Volume: ction Volume: ult Type:	HP6890-7 +2.14 g 10 mL 1 uL PRIMARY
Analyte	DryWt Corrected	: Y Result (m	ng/Kg) C	ualifier	MDL	RL
PCB-1016	endere andaren ante 🖞 (met) genere hete Artin any 🌒 frinderere deut 🌢 i is 🖲 ere ver raditor beardinas an ar	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	C	ualifier	Acceptan	ce Limits
Tetrachloro-m-xyle		90	na dina dina pangana na kana pana pangana na kana na kana kana na kana kana		60 - 154	hina a a' filide ant feire a nam frèir a' filid fhainn a' frèir anns airs ann fhèirean an Èirleann ann 🥫 a'
DCB Decachlorobi	phenyl	87			65 - 174	

#### Client: AECOM Technical Services Inc.

Client Sample ID	: CS-42(BOTTOM 1.0	')					
Lab Sample ID:	480-86924-3					Date Sar	npled: 09/09/2015 100
Client Matrix:	Solid	% M	oisture:	13.2		Date Rec	zeived: 09/09/2015 134
	8082A Poly	chlorinated Bip	henyls (l	PCBs) by G	as Chrom	atography	2
Analysis Method:	8082A	Analysis B	atch: 48	0-262904	Instr	ument ID:	HP6890-7
Prep Method:	3550C	Prep Batch	i: 48	0-262781	Initia	I Weight/Volume:	+2.59 g
Dilution:	1.0				Final	Weight/Volume:	10 mL
Analysis Date:	09/10/2015 1731				Injec	tion Volume:	1 uL
Prep Date:	09/10/2015 0819				Resu	ult Type:	PRIMARY
Analyte	DryWt Correct	ed: Y Re	sult (mg/K	(g) Qi	ualifier	MDL	RL
PCB-1016	n a faire prioresen a recommenda mensa a se <b>la se a</b> ginamen muntara damanana ana arabita	ND		ra doritoria y sono la e anna a capitaliza papar gana e		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		0.1	7	J		0.10	0.22
Surrogate		%F	ec	Qu	alifier	Acceptar	ce Limits
Tetrachloro-m-xyle	ene	99	en menimum og attatt tatten å attat getage partyr ha	anna a garran a d	ter i mediler 192 - er en ynder medici fender reiner (	60 - 154	anatardardada a kabila siste wilatara takin ministara kabardara kabili kabila
DCB Decachlorob	iphenyl	97				65 - 174	

#### Client: AECOM Technical Services Inc.

Client Sample ID:	CS-43(SIDEWALL 0	).5')					
Lab Sample ID: Client Matrix:	480-86924-4 Solid	% Moisture	e: 16.5		Date San Date Rec	npled: 09/09/2015 11 ceived: 09/09/2015 13	53 45
	8082A Poly	chlorinated Bipheny	ls (PCBs) by G	Gas Chrom	atography		
Analysis Method: Prep Method: Dilution: Analysis Date: Prep Date:	8082A 3550C 1.0 09/10/2015 1818 09/10/2015 0819	Analysis Batch: Prep Batch:	480-262904 480-262781	Instr Initia Fina Injec Resu	ument ID: Il Weight/Volume: I Weight/Volume: tion Volume: ult Type:	HP6890-7 +2.16 g 10 mL 1 uL PRIMARY	
Analyte	DryWt Correct	ed: Y Result (m	ng/Kg) G	ualifier	MDL	RL	
PCB-1016	ene ( ) e nie ( 1) ( ) ( ( ( ( ( ( ( ( ( ( ( ( ( ( (	ND		an ta u man ni Robbiologia a cab de	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	C	ualifier	Acceptan	ice Limits	
Tetrachloro-m-xyle	ene	99			60 - 154		haale faraafr
DCB Decachlorobi	iphenyl	98			65 - 174		

#### Client: AECOM Technical Services Inc.

Client Sample ID:	CS-44(SIDEWALL 0.	5')			
Lab Sample ID: Client Matrix:	480-86924-5 Solid	% Moisture	e: 13.7	Date Sa Date Re	mpled: 09/09/2015 1157 ceived: 09/09/2015 1345
	8082A Polyci	hlorinated Bipheny	ls (PCBs) by Gas	Chromatography	
Analysis Method: Prep Method: Dilution: Analysis Date: Prep Date:	8082A 3550C 1.0 09/10/2015 1834 09/10/2015 0819	Analysis Batch: Prep Batch:	480-262904 480-262781	Instrument ID: Initial Weight/Volume: Final Weight/Volume: Injection Volume: Result Type:	HP6890-7 +2.28 g 10 mL 1 uL PRIMARY
Analyte	DryWt Corrected	d: Y Result (m	ng/Kg) Quali	fier MDL	RL
PCB-1016 PCB-1221 PCB-1232	n fan en sen en fan en sen en sen en sen en fan en sen fan en sen fan en sen fan en sen en sen en sen en sen e	ND ND ND	ananana 4 aran 4 arana 5 arana 4 arana 4 aran	0.050 0.050 0.050	0.25 0.25 0.25
PCB-1242 PCB-1248 PCB-1254 PCB-1260		ND ND ND 0.12	×	0.050 0.050 0.12 0.12	0.25 0.25 0.25 0.25
Surrogate Tetrachloro-m-xyler	1e	%Rec 94 92	Qual	ifier Accepta 60 - 154 65 - 174	nce Limits

9/15/15

#### Client: AECOM Technical Services Inc.

Lab Sample ID: Client Matrix:	480-86924-6 Solid	% Moistur	e: 13.0	Date S Date I	Sampled: 09/09/2015 1202 Received: 09/09/2015 1345
	8082A Pol	ychlorinated Bipheny	ls (PCBs) by Gas	Chromatography	
Analysis Method: Prep Method:	8082A 3550C	Analysis Batch: Prep Batch:	480-262904 480-262781	Instrument ID: Initial Weight/Volum	HP6890-7 ne: +2.09 g
Dilution: Analysis Date:	1.0 09/10/2015 1850			Final Weight/Volum Injection Volume:	e: 10 mL 1 uL
Prep Date:	09/10/2015 0819			Result Type:	PRIMARY
Analyte	DryWt Correc	ted: Y Result (n	ng/Kg) Qua	lifier MDL	RL
PCB-1016		ND	nin 2010 2010 and a state of the state of th	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	Qua	lifier Accep	otance Limits
Tetrachloro-m-xyl	ene	96	unan selais a francés anna a gcularth fair séar a sún fh-shaid Dhibhisis Shaith	60 - 1	54
DCB Decachlorob	piphenyl	97		65 - 1	74

#### Client: AECOM Technical Services Inc.

Job Number: 480-87000-1

Client Sample ID:	CS-46 (SIDEWALL 0	).5')				
Lab Sample ID: Client Matrix:	480-87000-3 Solid	% Moistur	e: 14.3		Date Sar Date Rec	npled: 09/10/2015 1130 ceived: 09/10/2015 1428
	8082A Polyc	hlorinated Bipheny	ls (PCBs) by	Gas Chr	omatography	
Analysis Method: Prep Method: Dilution: Analysis Date: Prep Date:	8082A 3550C 1.0 09/11/2015 1637 09/11/2015 0915	Analysis Batch: Prep Batch:	480-263040 480-263058	ir Ir Ir R	istrument ID: iitial Weight/Volume: inal Weight/Volume: ijection Volume: esult Type:	HP6890-7 2.16 g 10 mL 1 uL PRIMARY
Analyte	DryWt Correcte	ed: Y Result (n	ng/Kg) (	Qualifier	MDL	RL
PCB-1016	an anna a' an Arian a	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	Acceptar	nce Limits
Tetrachloro-m-xyle		95	rates transmissioner presentation and a direction conserva-		60 - 154	and the second
DCB Decachlorobi	iphenyl	92			65 - 174	

#### Client: AECOM Technical Services Inc.

Job Number: 480-87000-1

Client Sample ID:	CS-47 (SIDEWALL	0.5')				
Lab Sample ID: Client Matrix:	480-87000-2 Solid	% Moisture	e: 10.1		Date San Date Rec	npled: 09/10/2015 1125 ceived: 09/10/2015 1428
	8082A Poly	chlorinated Bipheny	ls (PCBs) by Gas	s Chromatog	raphy	·······
Analysis Method: Prep Method: Dilution: Analysis Date: Prep Date:	8082A 3550C 1.0 09/11/2015 1621 09/11/2015 0915	Analysis Batch: Prep Batch:	480-263040 480-263058	Instrumer Initial Wei Final Wei Injection V Result Ty	tt ID: ght/Volume: ght/Volume: /olume: pe:	HP6890-7 2.14 g 10 mL 1 uL PRIMARY
Analyte	DryWt Correcte	ed: Y Result (m	ng/Kg) Qua	lifier	NDL	RL
PCB-1016	(a) a minimum property of the advector of section (a) and (a) and (b) areas (b) are	ND			).051	0.26
PCB-1221		ND		C	0.051	0.26
PCB-1232		ND		C	0.051	0.26
PCB-1242		ND		(	0.051	0.26
PCB-1248		ND		(	0.051	0.26
PCB-1254		ND		C	).12	0.26
PCB-1260		0.29		C	).12	0.26
Surrogate		%Rec	Qua	llifier	Acceptan	ce Limits
Tetrachloro-m-xyle	ne	89		glaboli Miliker Alan kelen kalan kelan kelan sekara sekara kelan kelan kelan kelan kelan kelan kelan kelan kel	60 - 154	$\label{eq:constraint} = (1 + 1)^{-1} + 1)^{-1} + 1 + 1)^{-1} + 1 + 1)^{-1} + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 +$
DCB Decachlorobi	phenyl	91			65 - 174	

#### Client: AECOM Technical Services Inc.

Client Sample ID:	CS-60 (SIDEWALL 0.5)
	• • •

Lab Sample ID: Client Matrix:	480-87764-12 Solid	% Moisture	e: 15.5	ב ב	Date Sampled: 09/23/2015 1102 Date Received: 09/23/2015 1440
	8082A Poly	chlorinated Bipheny	is (PCBs) by Gas	Chromatograph	у
Analysis Method: Prep Method: Dilution: Analysis Date: Prep Date:	8082A 3550C 1.0 09/24/2015 1646 09/24/2015 0755	Analysis Batch: Prep Batch:	480-265299 480-265234	Instrument ID: Initial Weight/V Final Weight/V Injection Volun Result Type:	HP6890-7 /olume: +2.86 g olume: 10 mL ne: 1 uL PRIMARY
Analyte	DryWt Correct	ed: Y Result (m	ng/Kg) Qua	ifier MDL	RI
PCB-1016	nd with a 🎗 🗮 (1974) – in second (1) 🕷 lange after direct or a statistic computation particulars	ND		0.040	0.21
PCB-1221		ND		0.040	0.21
PCB-1232		ND		0.040	0.21
PCB-1242		NÐ		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	Qual	ifier A	cceptance Limits
Tetrachloro-m-xyle	PNe	91	ali yelanda Bana analar i 🗮 ma ama mmarika ya kilanda analari mata mata ki	6	0 - 154
DCB Decachlorobi	phenyi	84		6	5 - 174

#### Client: AECOM Technical Services Inc.

Job Number: 480-87764-1

### Client Sample ID: CS-61 (SIDEWALL 0.5)

Lab Sample ID: Client Matrix:	480-87764-13 Solid	% Moistur	e: 13.5		Date Sar Date Rec	npled: 09/23/2015 1110 ceived: 09/23/2015 1440
	8082A Poly	chlorinated Bipheny	ls (PCBs) by Ga	s Chromate	ography	
Analysis Method: Prep Method: Dilution: Analysis Date: Prep Date:	8082A 3550C 1.0 09/24/2015 1702 09/24/2015 0755	Analysis Batch: Prep Batch:	480-265299 480-265234	Instrum Initial W Final W Injection Result	ent ID: Veight/Volume: Veight/Volume: n Volume: Type:	HP6890-7 +2.08 g 10 mL 1 uL PRIMARY
Analyte	DryWt Correct	ed: Y Result (m	ng/Kg) Qua	alifier	MDL	RL
PCB-1016 PCB-1221 PCB-1232 PCB-1242 PCB-1248 PCB-1254 PCB-1260		ND 0.068 ND ND 0.34 0.47	vd ~		0.054 0.054 0.054 0.054 0.054 0.13 0.13	0.28 0.28 0.28 0.28 0.28 0.28 0.28 0.28
Surrogate Tetrachloro-m-xyle DCB Decachlorobi	ne phenyl	%Rec 98 101	Qua	alifier	Acceptan 60 - 154 65 - 174	ce Limits



Client: AECOM Technical Services Inc.

Job Number: 480-87764-1

Client Sample ID:	20150923-FD-1	C5-61 (SID	EVAL O.	.5)				
Lab Sample ID: Client Matrix:	480-87764-14 Solid	% Mois	sture: 16.1			Date Sample Date Receiv	ed: 09/23/2015 /ed: 09/23/2015	0000 1440
	8082A Pc	lychlorinated Biph	enyls (PCBs)	by Gas C	hromatograp	hy		
Analysis Method: Prep Method: Dilution: Analysis Date: Prep Date:	8082A 3550C 1.0 09/24/2015 1718 09/24/2015 0755	Analysis Bate Prep Batch:	ch: 480-2652 480-2652	299 234	Instrument ID Initial Weight/ Final Weight/ Injection Volu Result Type:	: H Volume: +; Volume: 10 me: 1 Pl	P6890-7 2.78 g ) mL uL RIMARY	
Analyte	DryWt Corre	cted: Y Resu	lt (ma/Ka)	Qualifi	er MDL		RI	
PCB-1016 PCB-1221 PCB-1232 PCB-1242 PCB-1248 PCB-1254 PCB-1254		ND ND ND ND ND			0.04 0.04 0.04 0.04 0.04 0.04 0.10	2 2 2 2 2 2	0.21 0.21 0.21 0.21 0.21 0.21	for Borghann
PCB-1260 Surrogate Tetrachloro-m-xyle DCB Decachlorobig	ne Dhenyl	0.40 %Rec 97 96		Qualifie	0.10 er / (	Acceptance 60 - 154 65 - 174	0.21 Limits	(*) (* ** (j.)

11/24/15

#### Client: AECOM Technical Services Inc.

Client Sample ID:	CS-63 (BOTTOM 1.0)	)				
Lab Sample ID: Client Matrix:	480-87764-15 Solid	% Moisture	e: 16.0		Date Sam Date Rece	pled: 09/23/2015 1123 eived: 09/23/2015 1440
	8082A Polyc	hlorinated Bipheny	ls (PCBs) by Gas	Chromatogra	phy	
Analysis Method: Prep Method: Dilution: Analysis Date: Prep Date:	8082A 3550C 1.0 09/24/2015 1407 09/24/2015 0859	Analysis Batch: Prep Batch:	480-265299 480-265234	Instrument Initial Weigl Final Weigh Injection Vo Result Type	ID: ht/Volume: ht/Volume: ilume: e:	HP6890-7 +2.44 g 10 mL 1 uL PRIMARY
Analyte	DryWt Correcte	d: Y Result (m	ig/Kg) Qua	lifier MI	DL	RL
PCB-1016	na ang kigi na mananang kanang kanang na na na panan na na na kanan na kanan n	ND .		0.0	)48	0.24
PCB-1221		ND		0.0	)48	0.24
PCB-1232		ND		0.0	)48	0.24
PCB-1242		ND		0.0	)48	0.24
PCB-1248		0.31		0.0	)48	0.24
PCB-1254		ND	-	0.1	1	0.24
PCB-1260		1.4	5	0.1	1	0.24
Surrogate		%Rec	Qua	lifier	Acceptanc	e Limits
Tetrachloro-m-xyle		99			60 - 154	
DCB Decachlorobi	phenyl	100			65 - 174	

1/24/15

#### Client: AECOM Technical Services Inc.

Job Number: 480-88152-1

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

Lab Sample ID: Client Matrix:	480-88152-1 Solid	% Moisture	e: 14.4		Date Sam Date Rec	pled: 09/30/2015 1405 eived: 09/30/2015 1800
0.000	8082A Poly	chlorinated Bipheny	ls (PCBs) by Ga	s Chromatogra	phy	
Analysis Method: Prep Method: Dilution: Analysis Date: Prep Date:	8082A 3550C 1.0 10/01/2015 1513 10/01/2015 0831	Analysis Batch: Prep Batch:	480-266443 480-266401	Instrument Initial Weigl Final Weigh Injection Vo Result Type	ID: ht/Volume: ht/Volume: ilume: e:	HP5890-12 +2.50 g 10 mL 1 uL PRIMARY
Analyte	DryWt Correct	ed: Y Result (m	na/Ka) Qua	alifier M(	DL	RL
PCB-1016	the second s	ND		0.0	046	0.23
PCB-1221		ND		0.0	046	0.23
PCB-1232		ND		0.0	046	0.23
PCB-1242		ND		0.0	)46	0.23
PCB-1248		ND		0.0	046	0.23
PCB-1254		ND		0,1	1	0.23
PCB-1260		ND		0.1	1	0.23
Surrogate		%Rec	Qua	alifier	Acceptan	ce Limits
Tetrachloro-m-xyle	ene	101			60 - 154	
DCB Decachlorobi	phenyl	95			65 - 174	

Client: AECOM Technical Services Inc.

Job Number: 480-87764-1

Client Sample ID:	CS-64 (SIDEWALL 0	.5)				
Lab Sample ID: Client Matrix:	480-87764-16 Solid	% Moisture	ə: 12.4		Date San Date Rec	npled: 09/23/2015 1127 æived: 09/23/2015 1440
	8082A Polyc	hlorinated Bipheny	ls (PCBs) by (	Gas Chro	matography	
Analysis Method: Prep Method: Dilution: Analysis Date: Prep Date:	8082A 3550C 1.0 09/24/2015 1821 09/24/2015 0859	Analysis Batch: Prep Batch:	480-265299 480-265234	Insi Initi Fin Inje Res	trument ID: ial Weight/Volume: al Weight/Volume: ection Volume: sult Type:	HP6890-7 +2.32 g 10 mL 1 uL PRIMARY
Analyte	DryWt Correcte	d: Y Result (m	ia/Ka) C	Qualifier	MDL	RL
PCB-1016	annan fan a martif (1411) anna martif (1410) anna a martif	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 🍠			0.12	0.25
Surrogate		%Rec	C	Qualifier	Acceptan	ce Limits
Tetrachloro-m-xyle		102	remote constants and a distribution of the second statements of the second	**	60 - 154	na kan disinte sinte da kan kan kan kan kan kan kan kan kan ka
DCB Decachlorobi	phenyl	104			65 - 174	

4/24/15

Client: AECOM Technical Services Inc.

<b>Client Sample ID:</b>	CS-67 (SIDEWALL 0	.5)				
Lab Sample ID: Client Matrix:	480-87764-17 Solid	% Moisture	e: 16.1		Date San Date Rec	npled: 09/23/2015 1155 ceived: 09/23/2015 1440
	8082A Polyc	hlorinated Bipheny	ls (PCBs) by	Gas Chr	romatography	
Analysis Method: Prep Method: Dilution: Analysis Date: Prep Date:	8082A 3550C 1.0 09/24/2015 1805 09/24/2015 0755	Analysis Batch: Prep Batch:	480-265299 480-265234	lr Ir Ir R	nstrument ID: nitial Weight/Volume: inal Weight/Volume: njection Volume: Result Type:	HP6890-7 +2.41 g 10 mL 1 uL PRIMARY
Analyte	DryWt Correcte	d: Y Result (m	ıg/Kg) (	Qualifier	MDL	RL
PCB-1016 PCB-1221 PCB-1232 PCB-1242 PCB-1248 PCB-1254 PCB-1260		ND ND 0.41 ND ND 0.90			0.048 0.048 0.048 0.048 0.048 0.12 0.12	0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25
Surrogate		%Rec	(	Qualifier	Acceptan	ce Limits
Tetrachloro-m-xyle DCB Decachlorobi	ene iphenyl	95 97		ann ann an 1944 an 1947	60 - 154 65 - 174	

#### Client: AECOM Technical Services Inc.

Job Number: 480-88152-2

Cli	ient	Sampl	e ID:	CS-90	(SIDEWALL 0.5)	)
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Lab Sample ID: Client Matrix:	480-88152-2 Solid	% Moisture	e: 19.3		Date San Date Rec	npled: 09/30/2015 1715 ceived: 09/30/2015 1800
Constanting of the second s	8082A Poly	chlorinated Bipheny	ls (PCBs) by G	as Chrom	atography	
Analysis Method: Prep Method: Dilution: Analysis Date: Prep Date:	8082A 3550C 1.0 10/01/2015 1528 10/01/2015 0831	Analysis Batch: Prep Batch:	480-266443 480-266401	Instru Initial Final Inject Resu	iment ID: Weight/Volume: Weight/Volume: ion Volume: It Type:	HP5890-12 +2.72 g 10 mL 1 uL PRIMARY
Analyte	DryWt Correc	ted: Y Result (m	ng/Kg) Q	ualifier	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	Q	ualifier	Acceptan	ce Limits
Tetrachloro-m-xyle	ene	103			60 - 154	
DCB Decachlorob	iphenyl	93			65 - 174	

#### Client: AECOM Technical Services Inc.

Job Number: 480-88489-1

Client Sample ID:	CS-105 (Bottom 1.5)					
Lab Sample ID: Client Matrix:	480-88489-1 Solid	% Moisture	e: 12.4		Date San Date Rec	npled: 10/06/2015 1055 ceived: 10/06/2015 1515
	8082A Polych	lorinated Bipheny	ls (PCBs) by G	as Chrom	atography	
Analysis Method: Prep Method: Dilution: Analysis Date: Prep Date:	8082A 3550C 1.0 10/07/2015 1754 10/07/2015 0749	Analysis Batch: Prep Batch:	480-267460 480-267330	Instru Initial Final Inject Resu	ument ID: I Weight/Volume: Weight/Volume: tion Volume: ilt Type:	HP6890-7 +2.28 g 10 mL 1 uL PRIMARY
Analyte	DryWt Corrected	I: Y Result (n	ng/Kg) Q	ualifier	MDL	RL
PCB-1016	Constitute de la California et la California de la constantia de la constantia de la constantia de la constanti	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	Q	ualifier	Acceptan	ce Limits
Tetrachloro-m-xyle	ene	110			60 - 154	
DCB Decachlorobi	phenyl	106			65 - 174	

Job Number: 480-88489-1

Client: AECOW rechnical Services inc	lient:	t: AECOM	Technical	Services	Inc
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Client Sample ID:	20151006-FD-1	CS-I	05 (Bot	lon 1.5)					
Lab Sample ID: Client Matrix:	480-88489-2FD Solid		% Moisture	e: 13.3 ×			Date San Date Rec	npled: 10/06/2 ceived: 10/06/2	2015 0000 2015 1515
	8082A Po	lychlorina	ted Bipheny	ls (PCBs) by	Gas C	hromatogra	aphy		
Analysis Method: Prep Method: Dilution: Analysis Date: Prep Date:	8082A 3550C 1.0 10/07/2015 1810 10/07/2015 0749	Ana Pre	alysis Batch: p Batch:	480-267460 480-267330	0 0	Instrument Initial Weig Final Weigl Injection Vo Result Type	ID: ht/Volume: ht/Volume: blume: e:	HP6890-7 +2.29 g 10 mL 1 uL PRIMARY	
Analyte	DryWt Corre	cted: Y	Result (n	ng/Kg)	Qualifie	er M	DL	RL	
PCB-1016	·		ND	0.01		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		Qualifie	er	Acceptan	ce Limits	
Tetrachloro-m-xyle DCB Decachlorobi	ne phenyl		110 107				60 - 154 65 - 174		

#### Client: AECOM Technical Services Inc.

Job Number: 480-88489-1

Client Sample ID:	CS-106 (Sidewall 0.5)
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Lab Sample ID: Client Matrix:	480-88489-3 Solid	% Moisture	e: 20.5	Date Sa Date Re	mpled: 10/06/2015 1105 ceived: 10/06/2015 1515
	8082A Poly	chlorinated Bipheny	ls (PCBs) by Gas	Chromatography	
Analysis Method: Prep Method: Dilution: Analysis Date: Prep Date:	8082A 3550C 1.0 10/07/2015 1548 10/07/2015 0749	Analysis Batch: Prep Batch:	480-267460 480-267330	Instrument ID: Initial Weight/Volume: Final Weight/Volume: Injection Volume: Result Type:	HP6890-7 +2.90 g 10 mL 1 uL PRIMARY
Analyte PCB-1016	DryWt Correc	ted: Y Result (m ND	ng/Kg) Qual	ifier MDL 0.042	RL 0.22
PCB-1221 PCB-1232 PCB-1242		ND ND		0.042 0.042 0.042	0.22 0.22 0.22
PCB-1248 PCB-1254 PCB-1260		ND 0.85 0.58	Ea	0.042 0.10 0.10	0.22 0.22 0.22 0.22
Surrogate		%Rec	Qual	ifier Accepta	nce Limits
DCB Decachlorob	iphenyl	94	*	60 - 154 65 - 174	

1/0/10

#### Client: AECOM Technical Services Inc.

Client Sample ID:	CS-106A (SIDEWALL 0.5)
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Lab Sample ID: Client Matrix:	480-88932-1 Solid	% Moisture	e: 17.8	Date Sa Date Re	mpled: 10/12/2015 1628 ceived: 10/12/2015 1815				
	8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography								
Analysis Method: Prep Method: Dilution: Analysis Date: Prep Date:	8082A 3550C 1.0 10/14/2015 1625 10/14/2015 0807	Analysis Batch: Prep Batch:	480-268778 480-268652	Instrument ID: Initial Weight/Volume: Final Weight/Volume: Injection Volume: Result Type:	HP5890-12 +2.05 g 10 mL 1 uL PRIMARY				
Analyte PCB-1016 PCB-1221 PCB-1232 PCB-1242 PCB-1248 PCB-1254 PCB-1260	DryWt Correc	ted: Y Result (n ND ND ND ND ND ND ND 0.60	ng/Kg) Qu	alifier MDL 0.058 0.058 0.058 0.058 0.058 0.058 0.14 0.14	RL 0.30 0.30 0.30 0.30 0.30 0.30 0.30 0.3				
Surrogate Tetrachloro-m-xyle DCB Decachlorob	ene iphenyl	%Rec 111 110	Qu	alifier Accepta 60 - 154 65 - 174	nce Limits				
### Client: AECOM Technical Services Inc.

Client Sample ID:	CS-108 (Sidewall 0.	5)			
Lab Sample ID: Client Matrix:	480-88489-4 Solid	% Moisture	ə: 20.6	Date Sa Date Re	mpled: 10/06/2015 1125 ceived: 10/06/2015 1515
	8082A Polyc	hlorinated Bipheny	is (PCBs) by Ga	s Chromatography	
Analysis Method: Prep Method: Dilution: Analysis Date. Prep Date:	8082A 3550C 1.0 10/07/2015 1826 10/07/2015 0749	Analysis Batch: Prep Batch:	480-267460 480-267330	Instrument ID: Initial Weight/Volume: Final Weight/Volume: Injection Volume: Result Type:	HP6890-7 +2.78 g 10 mL 1 uL PRIMARY
Analyte PCB-1016 PCB-1221 PCB-1232 PCB-1242 PCB-1248 PCB-1254 PCB-1260	DryWt Correcte	ed: Y Result (m ND ND ND ND ND ND ND 0.13	ıg/Kg) Qua	alifier MDL 0.044 0.044 0.044 0.044 0.044 0.044 0.11 0.11	RL 0.23 0.23 0.23 0.23 0.23 0.23 0.23 0.23
Surrogate Tetrachloro-m-xyle DCB Decachlorobi	ene iphenyl	%Rec 109 103	Qua	alifier Acceptar 60 - 154 65 - 174	nce Limits

Client: AECOM Technical Services Inc.

Client Sample ID:	CS-111 (Bottom 1.5)					
Lab Sample ID: Client Matrix:	480-88489-5 Solid	% Moisture	e: 17.5		Date Sar Date Rec	npled: 10/06/2015 1220 ceived: 10/06/2015 1515
	8082A Polyc	hlorinated Bipheny	is (PCBs) by G	as Chromato	graphy	
Analysis Method: Prep Method: Dilution: Analysis Date: Prep Date:	8082A 3550C 1.0 10/07/2015 1841 10/07/2015 0749	Analysis Batch: Prep Batch:	480-267460 480-267330	Instrume Initial We Final We Injection Result T	nt ID: eight/Volume: ight/Volume: Volume: ype:	HP6890-7 +2.50 g 10 mL 1 uL PRIMARY
Analyte	DryWt Correcte	d: Y Result (m	ng/Kg) Q	ualifier	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	Q	lualifier	Acceptar	ice Limits
Tetrachloro-m-xyle	ene	112			60 - 154	
DCB Decachlorob	iphenyl	110			65 - 174	

#### Client: AECOM Technical Services Inc.

Client Sample ID:	CS-112 (Sidewall 0.5)
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Lab Sample ID: Client Matrix:	480-88489-6 Solid	% Moisture	e: 20.3		Date San Date Rec	npled: 10/06/2015 1225 eived: 10/06/2015 1515			
8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography									
Analysis Method: Prep Method: Dilution: Analysis Date: Prep Date:	8082A 3550C 1.0 10/07/2015 1857 10/07/2015 0749	Analysis Batch: Prep Batch:	480-267460 480-267330	Instrume Initial W Final W Injectior Result T	ent ID: /eight/Volume: eight/Volume: n Volume: <sup>-</sup> ype:	HP6890-7 +2.24 g 10 mL 1 uL PRIMARY			
Analyte PCB-1016 PCB-1221 PCB-1232 PCB-1242	DryWt Correct	ed: Y Result (n ND ND ND ND ND	ng/Kg) Qi	ualifier	MDL 0.055 0.055 0.055 0.055	RL 0.28 0.28 0.28 0.28 0.28			
PCB-1248 PCB-1254 PCB-1260		ND ND ND			0.055 0.13 0.13	0.28 0.28 0.28			
Surrogate Tetrachloro-m-xyle DCB Decachlorob	ene iphenyl	%Rec 107 103	Q	ualifier	Acceptar 60 - 154 65 - 174	ice Limits			

#### Client: AECOM Technical Services Inc.

Client Sample ID:	CS-122 (SIDEWALL 0.5)
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Lab Sample ID: Client Matrix:	480-88859-1 Solid	% Moisture	e: 22.5	Date Date	Sampled: 10/09/2015 1425 Received: 10/09/2015 1650
	8082A Poly	chlorinated Bipheny	ls (PCBs) by Gas	Chromatography	
Analysis Method:	8082A	Analysis Batch:	480-268269	Instrument ID:	HP5890-12
Prep Method:	3550C	Prep Batch:	480-268183	Initial Weight/Volu	me: +2.77 g
Dilution:	1.0			Final Weight/Volur	ne: 10 mL
Analysis Date:	10/12/2015 1506			Injection Volume:	1 uL
Prep Date:	10/12/2015 0818			Result Type:	PRIMARY
Analyte	DryWt Correct	ted: Y Result (m	ng/Kg) Qua	lifier MDL	RL
PCB-1016	* i se o nom mer de la fondation de la fondation de de la de	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	Qua	lifier Acce	ptance Limits
Tetrachloro-m-xyle	ene	91		60 -	154
DCB Decachlorob	iphenyl	78		65 -	174

#### Client: AECOM Technical Services Inc.

Client Sample ID:	CS-123 (SIDEWALL 1.0)
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Lab Sample ID: Client Matrix:	480-88859-2 Solid	% Moistur	e: 16.6	Date Sa Date Re	impled: 10/09/2015 1450 aceived: 10/09/2015 1650
	8082A Pol	ychlorinated Bipheny	ls (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 uL
Prep Date:	10/12/2015 0818			Result Type:	PRIMARY
Analyte	DryWt Correc	ted: Y Result (n	ng/Kg) Qua	lifier MDL	RL
PCB-1016		ND	4 and 2000 (1998) (1999) (1999) (1998) (1999) (1990) (1999) (1	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	Qua	lifier Accepta	ince Limits
Tetrachloro-m-xyle	ene	93		60 - 154	
DCB Decachlorob	iphenyl	89		65 - 174	ļ

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#### Client: AECOM Technical Services Inc.

Job Number: 480-88859-1

Date Sampled: 10/09/2015 1455 Date Received: 10/09/2015 1650

Client Sample ID:	CS-124 (SIDEWALL 0	.5)		
Lab Sample ID: Client Matrix:	480-88859-3 Solid	% Moisture:	23.0	
	8082A Polych	lorinated Biphenvis (	PCBs) by Ga	s (

	8082A Polychic	orinated I	Biphenyl	s (PCBs) by	Gas C	hromato	graphy	
Analysis Method: Prep Method: Dilution: Analysis Date: Prep Date:	8082A 3550C 1.0 10/12/2015 1650 10/12/2015 0818	Analysis Prep Ba	a Batch: tch:	480-268269 480-268183	3	Instrume Initial We Final We Injection Result T	ent ID: eight/Volume: eight/Volume: Volume: ype:	HP5890-12 +2.53 g 10 mL 1 uL PRIMARY
Analyte	DryWt Corrected: '	Y I	Result (m	g/Kg)	Qualifie	er	MDL	RL
PCB-1016			ND		0.52000 (5000)		0.050	0.26
PCB-1221		1	ND				0.050	0.26
PCB-1232		1	ND				0.050	0.26
PCB-1242		1	ND				0.050	0.26
PCB-1248		1	ND				0.050	0.26
PCB-1254		1	ND				0.12	0.26
PCB-1260		!	ND				0.12	0.26
Surrogate		C	%Rec		Qualifie	er	Acceptan	ce Limits
Tetrachloro-m-xyle	ne	8	35				60 - 154	
DCB Decachlorobi	phenyl	7	78				65 - 174	

### Client: AECOM Technical Services Inc.

Client Sample ID:	CS-125 (SIDEWALL 0.5)
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Lab Sample ID: Client Matrix:	480-88859-4 Solid	% Moisture	ə: 9.9	Date S Date R	ampled: 10/09/2015 1500 eceived: 10/09/2015 1650					
	8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography									
Analysis Method:	8082A	Analysis Batch:	480-268269	Instrument ID:	HP5890-12					
Dilution:	1.0	Frep Batch.	400-200103	Final Weight/Volume	e: 10 mL					
Analysis Date: Prep Date:	10/12/2015 1705 10/12/2015 0818			Injection Volume: Result Type:	1 uL PRIMARY					
Analyte	DryWt Correct	ted: Y Result (m	ng/Kg) Qua	lifier MDL	RL					
PCB-1016	a here a state of the second	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	Qua	lifier Accept	ance Limits					
Tetrachloro-m-xyle	ene	88		60 - 15	4					
DCB Decachlorob	iphenyl	84		65 - 17	4					

#### Client: AECOM Technical Services Inc.

Client Sample ID:	CS-126 (SIDEWALL	0.5)			
Lab Sample ID: Client Matrix:	480-88859-5 Solid	% Moisture	e: 16.4	Date Sar Date Re	mpled: 10/09/2015 1510 ceived: 10/09/2015 1650
	8082A Polyc	hlorinated Biphenyl	s (PCBs) by Gas	Chromatography	
Analysis Method: Prep Method: Dilution: Analysis Date: Prep Date:	8082A 3550C 1.0 10/12/2015 1720 10/12/2015 0818	Analysis Batch: Prep Batch:	480-268269 480-268183	Instrument ID: Initial Weight/Volume: Final Weight/Volume: Injection Volume: Result Type:	HP5890-12 +2.98 g 10 mL 1 uL PRIMARY
Analyte	DryWt Correcte	d: Y Result (m	g/Kg) Qual	ifier MDL	RL
PCB-1016 PCB-1221 PCB-1232 PCB-1242 PCB-1248 PCB-1254 PCB-1260		0.12 ND ND ND 2.0 0.49	J	0.039 0.039 0.039 0.039 0.039 0.039 0.094 0.094	0.20 0.20 0.20 0.20 0.20 0.20 0.20
Surrogate Tetrachloro-m-xvie	ne	%Rec 99	Qual	ifier Acceptar	nce Limits
DCB Decachlorobi	phenyl	97		65 - 174	

#### Client: AECOM Technical Services Inc.

Client Sample ID:	CS-131 (BOTTOM 1.0)
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Lab Sample ID: Client Matrix:	480-88991-1 Solid	% Moistu	re: 16.9	Date S Date I	Sampled: 10/13/2015 1320 Received: 10/13/2015 1555
	8082A Poly	chlorinated Biphen	vis (PCBs) by Ga	s Chromatography	
Analysis Method: Prep Method: Dilution: Analysis Date: Prep Date:	8082A 3550C 1.0 10/14/2015 1721 10/14/2015 0802	Analysis Batch: Prep Batch:	480-268719 480-268651	Instrument ID: Initial Weight/Volum Final Weight/Volum Injection Volume: Result Type:	HP6890-7 e: +2.16 g e: 10 mL 1 uL PRIMARY
Analyte PCB-1016	DryWt Correct	ted: Y Result (i ND	mg/Kg) Qua	alifier MDL 0.054	RL 0.28
PCB-1221 PCB-1232 PCB-1242		ND ND ND		0.054 0.054 0.054	0.28 0.28 0.28
PCB-1248 PCB-1254 PCB-1260		ND ND ND		0.054 0.13 0.13	0.28 0.28 0.28
Surrogate		%Rec	Qu	alifier Accep	tance Limits
DCB Decachiorob	ene iphenyl	107 107		60 - 1: 65 - 1	54 74

Client Sample ID:	20151013-FD-1	CS-131 (Bott	im 1.0)		
Lab Sample ID: Client Matrix:	480-88991-2 Solid	% Moisture	e: 14.7	Date Sar Date Rec	npled: 10/13/2015 0000 ceived: 10/13/2015 1555
	8082A Po	lychlorinated Bipheny	s (PCBs) by Gas	Chromatography	
Analysis Method: Prep Method: Dilution: Analysis Date: Prep Date:	8082A 3550C 1.0 10/14/2015 1737 10/14/2015 0802	Analysis Batch: Prep Batch:	480-268719 480-268651	Instrument ID: Initial Weight/Volume: Final Weight/Volume: Injection Volume: Result Type:	HP6890-7 +2.49 g 10 mL 1 uL PRIMARY
Anaiyte	DryWt Corre	cted: Y Result (m	ıg/Kg) Qua <sup>i</sup>	lifier 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	Qua	lifier Acceptar	ice Limits
Tetrachloro-m-xyle	ne	107		60 - 154	
DCB Decachlorobi	phenyl	106		65 - 174	

### Client: AECOM Technical Services Inc.

Client Sample ID:	CS-132 (SIDEWALL	. 0.5)			
Lab Sample ID: Client Matrix:	480-88991-3 Solid	% Moisture	e: 9.5	Date Sar Date Rec	npled: 10/13/2015 1330 ceived: 10/13/2015 1555
	8082A Poly	chlorinated Bipheny	ls (PCBs) by Gas	Chromatography	
Analysis Method: Prep Method: Dilution: Analysis Date: Prep Date:	8082A 3550C 1.0 10/14/2015 1426 10/14/2015 0802	Analysis Batch: Prep Batch:	480-268719 480-268651	Instrument ID: Initial Weight/Volume: Final Weight/Volume: Injection Volume: Result Type:	HP6890-7 +2.36 g 10 mL 1 uL PRIMARY
Analyte	DryWt Correct	ed: Y Result (m	ig/Kg) Qual	ifier MDL	RL
PCB-1016 PCB-1221 PCB-1232 PCB-1242 PCB-1248 PCB-1254 PCB-1260		0.17 ND ND 2.4 0.54	N J	0.046 0.046 0.046 0.046 0.046 0.11 0.11	0.23 0.23 0.23 0.23 0.23 0.23 0.23 0.23
Surrogate Tetrachloro-m-xyle DCB Decachlorobi	ene iphenyl	%Rec 108 103	Qual	ifier Acceptar 60 - 154 65 - 174	nce Limits

1 7 16

### Client: AECOM Technical Services Inc.

Client Sample ID:	CS-133 (SIDEWALL 0	.5)				
Lab Sample ID: Client Matrix:	480-88991-4 Solid	% Moisture	e: 17.6		Date Sar Date Rec	npled: 10/13/2015 1337 ceived: 10/13/2015 1555
	8082A Polych	lorinated Bipheny	ls (PCBs) by	Gas Ch	romatography	
Analysis Method: Prep Method: Dilution: Analysis Date: Prep Date:	8082A 3550C 1.0 10/14/2015 1442 10/14/2015 0802	Analysis Batch: Prep Batch:	480-268719 480-268651		Instrument ID: nitial Weight/Volume: Final Weight/Volume: Injection Volume: Result Type:	HP6890-7 +2.89 g 10 mL 1 uL PRIMARY
Analyte	DrvWt Corrected	: Y Result (n	ng/Kg) (	Qualifie	n 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	(	Qualifie	r Acceptar	nce Limits
Tetrachloro-m-xyle	ene	108			60 - 154	
DCB Decachlorobi	iphenyl	103			65 - 174	

Client: AECOM Technical Services Inc.

Client Sample ID:	CS-135 (SIDEWALL	0.5)			
Lab Sample ID: Client Matrix:	480-88991-5 Solid	% Moisture	e: 17.9	Date Sa Date Re	mpled: 10/13/2015 1400 ceived: 10/13/2015 1555
	8082A Polyc	chlorinated Bipheny	ls (PCBs) by Ga	s Chromatography	
Analysis Method: Prep Method: Dilution: Analysis Date: Prep Date:	8082A 3550C 1.0 10/14/2015 1753 10/14/2015 0802	Analysis Batch: Prep Batch:	480-268719 480-268651	Instrument ID: Initial Weight/Volume: Final Weight/Volume: Injection Volume: Result Type:	HP6890-7 +2.18 g 10 mL 1 uL PRIMARY
Analyte	DrvWt Correcte	ed: Y Result (n	ng/Kg) Qu	alifier MDL	RL
PCB-1016 PCB-1221 PCB-1232 PCB-1242 PCB-1248 PCB-1254 PCB-1254 PCB-1260		ND ND ND ND 0.30 0.22	J	0.055 0.055 0.055 0.055 0.055 0.13 0.13	0.28 0.28 0.28 0.28 0.28 0.28 0.28 0.28
Surrogate Tetrachloro-m-xyle DCB Decachlorob	ene iphenyl	%Rec 103 98	Qu	alifier Accepta 60 - 154 65 - 174	nce Limits

### Client: AECOM Technical Services Inc.

### Job Number: 480-88991-1

Client Sample ID:	CS-136 (SIDEWALL	0.5)				
Lab Sample ID: Client Matrix:	480-88991-6 Solid	% Moisture	e: 12.7		Date San Date Rec	npled: 10/13/2015 1405 ceived: 10/13/2015 1555
	8082A Polyc	hlorinated Bipheny	ls (PCBs) by Ga	as Chromatog	graphy	
Analysis Method: Prep Method: Dilution: Analysis Date: Prep Date:	8082A 3550C 1.0 10/14/2015 1809 10/14/2015 0802	Analysis Batch: Prep Batch:	480-268719 480-268651	Instrume Initial We Final We Injection Result Ty	nt ID: ight/Volume: ight/Volume: Volume: ype:	HP6890-7 +2.95 g 10 mL 1 uL PRIMARY
Analyte	DryWt Correcte	d: Y Result (m	ng/Kg) Qu	alifier	MDL	RL
PCB-1016		0.49 🎵	<b>6</b>		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 🕤			0.091	0.19
Surrogate		%Rec	QL	alifier	Acceptan	ice Limits
Tetrachloro-m-xyle	ene	94			60 - 154	
DCB Decachlorobi	phenyl	85			65 - 174	

1/2/16

### Client: AECOM Technical Services Inc.

Client Sample ID:	CS-137 (SIDEWALL 0.5)
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Lab Sample ID: Client Matrix:	480-88991-7 Solid	% Moisture	e: 18.1		Date San Date Rec	npled: 10/13/2015 1410 eived: 10/13/2015 1555
	8082A Polyc	hlorinated Bipheny	is (PCBs) by (	Gas Chro	matography	
Analysis Method: Prep Method: Dilution: Analysis Date: Prep Date:	8082A 3550C 1.0 10/14/2015 1458 10/14/2015 0802	Analysis Batch: Prep Batch:	480-268719 480-268651	Insi Initi Fin Inje Res	trument ID: ial Weight/Volume: al Weight/Volume: ection Volume: sult Type:	HP6890-7 +2.18 g 10 mL 1 uL PRIMARY
Analyte	DryWt Correcte	ed: Y Result (n	ng/Kg) C	Qualifier	MDL	RL
PCB-1016	a a na su a anna an ann an ann an ann an ann an a	ND		- (#31104) - (4-4)	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	I	0.055	0.28
PCB-1254		ND			0.13	0.28
PCB-1260		1.1			0.13	0.28
Surrogate		%Rec	C	Qualifier	Acceptan	ce Limits
Tetrachloro-m-xvle	ene	108			60 - 154	
DCB Decachlorob	iphenyl	105			65 - 174	

Client: AECOM Technical Services Inc.

Client Sample ID:	CS-139 (BOTTOM 1.	.0)				
Lab Sample ID:	480-88991-8				Date San	npled: 10/13/2015 1425
Client Matrix:	Solid	% Moisture	e: 16.2		Date Rec	ceived: 10/13/2015 1555
	8082A Polyc	hlorinated Bipheny	is (PCBs) by G	as Chroma	tography	
Analysis Method:	8082A	Analysis Batch:	480-268719	Instrur	nent ID:	HP6890-7
Prep Method:	3550C	Prep Batch:	480-268651	Initial	Neight/Volume:	+2.95 g
Dilution:	1.0			Final V	Veight/Volume:	10 mL
Analysis Date:	10/14/2015 1514			Injectio	on Volume:	1 uL
Prep Date:	10/14/2015 0802			Result	Туре:	PRIMARY
Analyte	DryWt Correcte	ed: Y Result (n	ng/Kg) Qi	ualifier	MDL	RL
PCB-1016		ND		(A)((1)(A)((A))((1)(1)(A)((1)(1))))	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	Q	ualifier	Acceptar	nce Limits
Tetrachloro-m-xvle	ene	108	Apr. 4.9 Million	nen alle la presention	60 - 154	
DCB Decachlorob	iphenyl	105			65 - 174	

### Client: AECOM Technical Services Inc.

Job Number: 480-89056-1

Client Sample ID:	CS-140(SIDEWALL 0	.8)				
Lab Sample ID: Client Matrix:	480-89056-1 Solid	% Moisture	e: 15.8		Date San Date Rec	npled: 10/14/2015 1005 æived: 10/14/2015 1155
	8082A Polycl	nlorinated Bipheny	ls (PCBs) by (	Gas Chrom	atography	
Analysis Method: Prep Method: Dilution: Analysis Date: Prep Date:	8082A 3550C 1.0 10/14/2015 1739 10/14/2015 1201	Analysis Batch: Prep Batch:	480-268778 480-268652	Instru Initial Final Inject Resu	ument ID: Weight/Volume: Weight/Volume: tion Volume: It Type:	HP5890-12 +2.13 g 10 mL 1 uL PRIMARY
Analvte	DryWt Corrected	d: Y Result (m	ng/Kg) C	Qualifier	MDL	RL
PCB-1016	an and a second s	ND			0.055	0.28
PCB-1221 PCB-1232		ND			0.055	0.28
PCB-1242 PCB-1248 PCB-1254		ND ND			0.055 0.13	0.28 0.28
PCB-1260		ND			0.13	0.28
Surrogate		%Rec	C	Qualifier	Acceptar	nce Limits
Tetrachloro-m-xyle DCB Decachlorob	ene iphenyl	107 103	na an ann an ann an ann an ann an ann an a	nation of the second	60 - 154 65 - 174	

### Client: AECOM Technical Services Inc.

Lab Sample ID: Client Matrix:	480-89242-1 Solid	% Moistur	e: 16.8	Da Da	te Sampled: 10/15/2015 1250 te Received: 10/15/2015 1750					
8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography										
Analysis Method: Prep Method: Dilution: Analysis Date: Prep Date:	8082A 3550C 1.0 10/16/2015 1452 10/16/2015 0813	Analysis Batch: Prep Batch:	480-269215 480-269148	Instrument ID: Initial Weight/Vo Final Weight/Vol Injection Volume Result Type:	HP6890-7 lume: +2.13 g ume: 10 mL : 1 uL PRIMARY					
Analyte	DryWt Correct	ted: Y Result (n	ng/Kg) Qua	alifier MDL	RL					
PCB-1016 PCB-1221 PCB-1232 PCB-1242 PCB-1248 PCB-1254 PCB-1260	<b></b>	ND ND ND ND ND ND		0.055 0.055 0.055 0.055 0.055 0.13 0.13	0.28 0.28 0.28 0.28 0.28 0.28 0.28 0.28					
Surrogate	na n may manan kana panga a miya na miya mata ya mana kana tana - na ni kana pada anta a ta angal	%Rec	Qua	alifier Ac	ceptance Limits					
DCB Decachlorob	ene iphenyl	100 101		60 65	- 154 - 174					

### Client: AECOM Technical Services Inc.

Job Number: 480-89242-1

Client Sample ID:	CS-142 (SIDEWALL (	0.5)				
Lab Sample ID: Client Matrix:	480-89242-2 Solid	% Moisture	e: 10.7		Date Sample Date Receiv	ed: 10/15/2015 1530 red: 10/15/2015 1750
	8082A Polyc	hlorinated Bipheny	ls (PCBs) by Ga	s Chromatogra	phy	
Analysis Method: Prep Method: Dilution: Analysis Date: Prep Date:	8082A 3550C 1.0 10/16/2015 1508 10/16/2015 0813	Analysis Batch: Prep Batch:	480-269215 480-269148	Instrument I Initial Weigh Final Weigh Injection Vo Result Type	D: H ht/Volume: +; t/Volume: 10 lume: 1 :: P	P6890-7 2.69 g 0 mL uL RIMARY
Analyte	DryWt Corrected	d: Y Result (m	ng/Kg) Qu	alifier M	DL	RL
PCB-1016 PCB-1221 PCB-1232 PCB-1242 PCB-1248 PCB-1254 PCB-1254 PCB-1260		0.13 ND ND ND 3.4 0.79	N J	0.0 0.0 0.0 0.0 0.0 0.0 0.0	941 941 941 941 941 997 997	0.21 0.21 0.21 0.21 0.21 0.21 0.21
Surrogate		%Rec	Qu	alifier	Acceptance	Limits
Tetrachloro-m-xyle DCB Decachlorob	ene iphenyl	91 90	li∰ana sa mini dini Ciga nandriga baran masarena b	E. D. Defena i meanement on reph (200) - i an error o	60 - 154 65 - 174	nanna Blaannan Inlandigiila ni s lassaa Bridi

1/14/16

TestAmerica Buffalo

Client: AECOM Technical Services Inc.

<b>Client Sample ID:</b>	CS-143 (SIDEWALL	. 0.5)				
Lab Sample ID: Client Matrix:	480-89242-3 Solid	% Moisture	e: 16.3		Date San Date Rec	npled: 10/15/2015 1540 æived: 10/15/2015 1750
	8082A Poly	chlorinated Bipheny	ls (PCBs) by G	as Chroma	atography	
Analysis Method: Prep Method: Dilution: Analysis Date: Prep Date:	8082A 3550C 1.0 10/16/2015 1524 10/16/2015 0813	Analysis Batch: Prep Batch:	480-269215 480-269148	Instru Initial Final Inject Resu	ment ID: Weight/Volume: Weight/Volume: ion Volume: It Type:	HP6890-7 +2.22 g 10 mL 1 uL PRIMARY
Anaiyte	DryWt Correct	ed: Y Result (m	ıg/Kg) Qı	Jalifier	MDL	RL
PCB-1016	and the state of t	ND	na transmissione date in non en la post dat ser o moneral de la data an		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	Qu	Jalifier	Acceptan	ce Limits
Tetrachloro-m-xyle	ne	101	metalettitelettiteletti etteletti oli ali etteren referensia provan yappananalis k	the same party is an ended of	60 - 154	ananda banya ang ang ang ang ang ang ang ang ang an
DCB Decachlorobi	phenyl	101			65 - 174	

Client: AECOW Technical Services In	Fechnical Services Inc.
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CS-143 (SIDEWALL 0.5')

Job Number: 480-89242-1

Client Sample ID:20151015-FD-1Lab Sample ID:480-89242-7Client Matrix:Solid

% Moisture: 16.6

Date Sampled: 10/15/2015 0000 Date Received: 10/15/2015 1750

	8082A Polychi	orinated	Bipheny	ls (PCBs) by	Gas C	hromato	ography	
Analysis Method: Prep Method: Dilution: Analysis Date: Prep Date:	8082A 3550C 1.0 10/16/2015 1627 10/16/2015 0813	Analysi Prep Ba	is Batch: atch:	480-269215 480-269148	5 3	Instrum Initial W Final W Injection Result	ent ID: /eight/Volume: eight/Volume: 1 Volume: Гуре:	HP6890-7 +2.70 g 10 mL 1 uL PRIMARY
Analyte	DryWt Corrected:	Y	Result (m	ng/Kg)	Qualifi	er	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		Qualifi	er	Acceptar	nce Limits
Tetrachloro-m-xyle	ene		97			erent al la local de la composition de	60 - 154	alan susan dalik bi kalarikan unun tennangan sulating memorihkan nyai († 13)
DCB Decachlorob	iphenyl		100				65 - 174	

#### Client: AECOM Technical Services Inc.

Client Sample ID:	CS-144 (BOTTOM 1.0)
Lab Sample ID:	480-89242-4

Lab Sample ID: Client Matrix:	480-89242-4 Solid	% Moisture	e: 13.8		Date San Date Rec	npled: 10/15/2015 1550 eived: 10/15/2015 1750
	8082A Polyc	hlorinated Bipheny	ls (PCBs) by (	Gas Chrom	atography	
Analysis Method: Prep Method: Dilution: Analysis Date: Prep Date:	8082A 3550C 1.0 10/16/2015 1540 10/16/2015 0813	Analysis Batch: Prep Batch:	480-269215 480-269148	Instru Initia Final Injec Resu	ument ID: I Weight/Volume: Weight/Volume: tion Volume: It Type:	HP6890-7 +2.01 g 10 mL 1 uL PRIMARY
Analyte	DryWt Correcte	d: Y Result (n	ng/Kg) C	Qualifier	MDL	RL
PCB-1016 PCB-1221 PCB-1232 PCB-1242 PCB-1248 PCB-1254 PCB-1260		ND ND ND ND ND ND			0.056 0.056 0.056 0.056 0.056 0.14 0.14	0.29 0.29 0.29 0.29 0.29 0.29 0.29 0.29
Surrogate		%Rec	C	Qualifier	Acceptan	ce Limits
Tetrachloro-m-xyle DCB Decachlorob	ene iphenyl	100 103			60 - 154 65 - 174	

Client: AECOM Technical Services Inc.

Client Sample ID:	CS-145 (SIDEWALL	0.5)				
Lab Sample ID:	480-89242-5				Date San	npled: 10/15/2015 1600
Client Matrix:	Solid	% Moisture	e: 14.7		Date Rec	ceived: 10/15/2015 1750
· · · · · · · · · · · · · · · · · · ·	8082A Polyc	hlorinated Bipheny	ls (PCBs) by Ga	s Chromato	graphy	
Analvsis Method:	8082A	Analysis Batch:	480-269215	Instrume	ent ID:	HP6890-7
Prep Method:	3550C	Prep Batch:	480-269148	Initial W	eight/Volume:	+2.18 g
Dilution:	1.0	<u>.</u>		Final We	eight/Volume:	10 mL
Analysis Date:	10/16/2015 1556			Injection	Volume:	1 uL
Prep Date:	10/16/2015 0813			Result T	уре:	PRIMARY
Analvte	DryWt Correcte	d: Y Result (n	ng/Kg) Qu	alifier	MDL	RL
PCB-1016		ND	(and (1))) (1))		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	Qu	alifier	Acceptar	nce Limits
Tetrachloro-m-xyle		99	and the second sec		60 - 154	ana balan dan 🕸 dan general dari dari dari dari dari dari dari dari
DCB Decachlorob	iphenyl	102			65 - 174	

#### Client: AECOM Technical Services Inc.

Client Sample ID:	CS-147 (SIDEWALL	0.5)						
Lab Sample ID: Client Matrix:	480-89242-6 Solid	0-89242-6 blid % Moisture: 14.2			Date Sampled: 10/15/2015 1630 Date Received: 10/15/2015 1750			
	8082A Polyc	hlorinated Bipheny	ls (PCBs) by Ga	s Chromat	ography			
Analysis Method: Prep Method: Dilution: Analysis Date: Prep Date:	8082A 3550C 1.0 10/16/2015 1612 10/16/2015 0813	Analysis Batch: Prep Batch:	480-269215 480-269148	Instrum Initial V Final W Injectio Result	nent ID: Veight/Volume: /eight/Volume: n Volume: Type:	HP6890-7 +2.52 g 10 mL 1 uL PRIMARY		
Analyte	DryWt Correcte	ed: Y Result (m	ng/Kg) Qua	alifier	MDL	RL		
PCB-1016 PCB-1221 PCB-1232 PCB-1242 PCB-1248 PCB-1254 PCB-1260		ND ND ND ND ND ND			0.045 0.045 0.045 0.045 0.045 0.045 0.11 0.11	0.23 0.23 0.23 0.23 0.23 0.23 0.23 0.23		
Surrogate		%Rec	Qua	alifier	Acceptan	ce Limits		
Tetrachloro-m-xyle DCB Decachlorobi	ne phenyl	97 99			60 - 154 65 - 174			

### Client: AECOM Technical Services Inc.

Job Number: 480-89385-1

Client Sample ID: 0	CS-148 (SIDEWALL 0.5)
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Lab Sample ID: Client Matrix:	480-89385-1 Solid	% Moisture	e: 8.1	Date Sa Date Re	ampled: 10/19/2015 1642 eceived: 10/19/2015 1750
	8082A Poly	chlorinated Bipheny	ls (PCBs) by Gas	Chromatography	
Analysis Method: Prep Method: Dilution: Analysis Date: Prep Date:	8082A 3550C 2.0 10/20/2015 1105 10/20/2015 0042	Analysis Batch: Prep Batch:	480-269804 480-269720	Instrument ID: Initial Weight/Volume Final Weight/Volume Injection Volume: Result Type:	HP5890-12 : +2.40 g : 10 mL 1 uL PRIMARY
Analyte	DryWt Correct	ted: Y Result (m	ig/Kg) Qua	lifier MDL	RL
PCB-1016 PCB-1221 PCB-1232 PCB-1242 PCB-1248 PCB-1254 PCB-1260		0.34 ND ND ND 5.9 1.2	J	0.089 0.089 0.089 0.089 0.089 0.21 0.21	0.45 0.45 0.45 0.45 0.45 0.45 0.45 0.45
Surrogate Tetrachloro-m-xyle DCB Decachlorobi	ene iphenyl	%Rec 90 100	Qua	lifier Accepta 60 - 154 65 - 174	nce Limits

### Client: AECOM Technical Services Inc.

Client Sample ID:	CS-149 (SIDEWALL 0.5)
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Lab Sample ID: Client Matrix:	480-89523-1 Solid	% Moisture	e: 9.8		Date Sampled: 10/21/2015 1005 Date Received: 10/21/2015 1100						
	8082A Poly	chlorinated Bipheny	ls (PCBs) by Ga	s Chromato	graphy						
Analysis Method: Prep Method: Dilution: Analysis Date: Prep Date:	8082A 3550C 1.0 10/21/2015 2213 10/21/2015 1112	Analysis Batch: Prep Batch:	480-270199 480-270007	Instrume Initial We Final We Injection Result T	ent ID: eight/Volume: eight/Volume: Volume: ype:	HP5890-12 +2.16 g 10 mL 1 uL PRIMARY					
Analyte PCB-1016 PCB-1221 PCB-1232 PCB-1242 PCB-1248 PCB-1254 PCB-1260	DryWt Correct	red: Y Result (m ND ND ND ND ND 0.41 ND	ng/Kg) Qu	alifier	MDL 0.050 0.050 0.050 0.050 0.050 0.12 0.12	RL 0.26 0.26 0.26 0.26 0.26 0.26 0.26 0.26					
Surrogate Tetrachloro-m-xyle DCB Decachlorob	ene iphenyl	%Rec 105 102	Qu	alifier Acceptance Limits 60 - 154 65 - 174							

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 Polyc	hlorinated Bipheny	ls (PCBs) by	Gas Cl	romatography			
Analysis Method: Prep Method: Dilution: Analysis Date: Prep Date:	8082A 3510C 1.0 09/25/2015 1312 09/24/2015 1502	Analysis Batch: Prep Batch:	480-265530 480-265375	) 5	Instrument ID: Initial Weight/Volume Final Weight/Volume: Injection Volume: Result Type:	HP5890-12 260.9 mL 2 mL 1 uL PRIMARY		
Analyte		Result (u	g/L)	Qualifie	r MDL	RL		
PCB-1016	nan 1 maar 2 militaan (ka san dinaman) madalik markamaa amaa kana dina kama	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 Acceptar		nce Limits		
Tetrachloro-m-xyle	ene	75	nininininen eta alemanen erretaria erretaria eta erretaria eta erretaria eta erretaria eta erretaria erretaria	24 - 137				
DCB Decachlorob	iphenyl	52			19 - 125	1		

Client: AECOM Technical Services Inc.

Client Sample ID	20151006-RB-1				
Lab Sample ID: Client Matrix:	480-88489-7 Water			Date Sar Date Rec	npled: 10/06/2015 1340 ceived: 10/06/2015 1515
	8082A P	olychlorinated Bipheny	ls (PCBs) by Ga	s 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			Resi	ult Type:	PRIMARY		
Analyte		Result (ug/L)	Qualifier	MDL	RL		
PCB-1016		ND	đ. 4	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	Accept	ance Limits		
Tetrachloro-m->	kylene	91		24 - 13	7		
DCB Decachlorobiphenyl		57	19 - 125				

Client: AECOM Technical Services Inc.

Job Number: 480-89242-1

Client Sample ID:	20151015-RB-1	
Lab Sample ID: Client Matrix:	480-89242-8 Water	Date Sampled: 10/15/2015 1720 Date Received: 10/15/2015 1750
	8082A Polychlorinated Biphenvis (PCBs)	by Gas Chromatography

	•				en alegiapity		
Analysis Method: Prep Method: Dilution: Analysis Date: Prep Date:	8082A 3510C 1.0 10/17/2015 0318 10/16/2015 0843	Analysis Batch: Prep Batch:	480-26931 480-269166	5 Ir 6 Ir F Ir R	nstrument ID: nitial Weight/Volume: inal Weight/Volume: njection Volume: esult Type:	HP6890-7 254.9 mL 2 mL 1 uL PRIMARY	
Analyte		Result (u	g/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	%Rec (		Acceptar	ice Limits	
Tetrachloro-m-xyle		75		24 - 137			
DCB Decachlorobi	phenyl	48			19 - 125		

# ATTACHMENT B

# SUPPORT DOCUMENTATION

J:\Projects\38395113\38395294 GE Tonawanda\Analytical\DUSR\Aug\_Oct 2015\DUSR for DKP Property\_rev1a.docx

CHAIN OF C	LSN	<b>O</b>	Y REC	ORI	0			AE	18			
PROJECT NO.		SITE NAM	E Furgueor		871 M	76		LAB TEST A	Mer	1CA		
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TARTE COLORS SD# - MATRIX SPIKE DUPL	ICATE	18# - RINSE BI	ANK PLICATE N	# - NORMAL EN	WIRONMENTAL IKE	SAMPLE (# - SEQUENTI	AL NUMBER (FROM 1 TO 9) TO ACC	COMMODATE MULTIPLE SAM				T
RELINQUISHED BY (SIGNATURE)	DATE S/20/13	TIME + 101+	RECEIVED	SY (SIGNATUR	RE)	DATE TIME	SPECIAL INSTRUCT	TIONS /			11401 -	
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#### 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.

CHAIN OI		TOD	Y REC	ORI	<u>8</u> .			AEK	<b>O</b>	N		
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LOCATION IDENTIFIER DATE	TIME GRA	B <u>P</u>	SAMPLE ID	MATRIX	ATNOD ATNOD	ul arv			3.19MA2	DEPTH (I	LIELD LO DEPTH (II ENDING	(IBPIMS C
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TARE CODES SD# - THE BLAN	K IKE DUPLICATE	RB# - RINSE FR# - FIELD	E BLANK N REPUCATE N	1# - NORMAL EN IS# - MATRIX SF	NVIRONMENTA PIKE	L SAMPLE (# - SEQUENTIAL	NUMBER (FROM 1 TO 9) TO AC		APLES IN	A SINGL	E DAY)	
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#### 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.

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AECOM	LAB TEST HANNER	COOLER / of / PAGE / of /	JULLY T NO.# N FEET NFEET NG NG NG NG NG NG NG NG NG NG NG NG NG	Panpan Peter Lo Peter ( Peter	~ 10 LO ~	N D.50.5-			ain of Custody	LH - HAZARDOUS LIQUID WASTE LF - FLOATING/FREE PRODUCT ON GW TABLE	CCOMMODATE MULTIPLE SAMPLES IN A SINGLE DAY)	CTIONS A. T. TOMO	Lab PM NULL HIZ	HE CREMENTER THI	
	428			7. HO						WL - LEACHATE WO - OCEAN WATER GS - SOIL GAS WC - DRILLING WATER WO - WATER FIELD QC	TAL SAMPLE (# - SEQUENTIAL NUMBER (FROM 1 TO 8) TO	DATE TIME SPECK INSTRU ロババイ バースシーマクタム ブ	JAE) DATE TIME ALLEGESS DEY	- HU HOLL OW D	
	SITE NAME GE 70h HUMHUM		AIRBILL NO.:	COMP/ SAMPLE ID MATTHIX POC 11	en (5-31 (Bostam 1.0') 50 1	044 (S-326 idenallo.5) So 1				SL - SLUDGE WG - GROUND WATER WP - DRINKING WATER SO - SOIL WW - WASTE WATER DC - DRILL CUTTINGS	RB# - RINSE BLANK N# - NORMAL ENVIRONMENT FR# - FIELD REPLICATE MS# - MATRIX SPIKE	DATE TIME RECEIVED BY (SIGNATURE)	DATE TIME RECEIVED FOR LAB BY (SIGNATU	1 1 ment, copy to coordinator field files	
CHAIN OF CU	PROJECT NO.	SAMPLERS (PRINT/SIGNATURE)	DELIVERY SERVICE:	LOCATION IDENTIFIER DATE C	alifis itil &	0/1/12 11/11 CH				A - AND	CANNERLEY TR# - TRIP BLANK	RELINQUISHED BY (SIGNATURE)	RELINQUISHED BY (SIGNATURE)	L Distribution: Original accompanies shipr	

#### 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 CUS	STODY RE	CORD	18			AI	8		
PROJECT NO.	SITE NAME	4 v OA	230 21 Jr			LAB RST	An	121-	
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KUN KUN KUN KUN KUN KUN KUN KUN KUN	SL - SLUDGE WP - DRINKING WATER WW - WASTE WATER	MG - GROUND WATER 80 - SOIL 0C - DRILL CUTTINGS	WL - LEAC GS - SOIL WC - DRII	HATE GAS LING WATER	WO - OCEAN WATER WS - SURFACE WATER WQ - WATER FIELD OC	LH - HAZARDOUS LI LF - FLOATING/FREE	QUID WAS PRODUC		TABLE
TEMPLET SCHEREN TEMP. TRUP BLANK	RB# - FINSE BLANK FR# - FIELD REPLICATE	N# - NORMAL ENVIRONA MS# - MATRIX SPIKE	AENTAL SAMPLE	(# - SEQUÊNTIAL	NUMBER (FROM 1 TO 9) 1	O ACCOMMODATE MULTIPLE (	SAMPLES	IN A SING	LE DAY)
RELINQUISHED BY (SIGNATURE)	PATE TIME RECEIV	ED BY (signature)		DATE TIME	SPECIAL INSTE	IUCTIONS		i	
RELINQUISHED BY (SIGNATURE)	DATE TIME RECEIVE	ED FOR LAB BY (sign	IATURE)	DATE <sup>t</sup> fimé	Andlissa D	erolds PM	-		
Distribution: Original accompanies shipm	ent, copy to coordinator fi	eld files	1.8		ASP OAT	B. delured	<i>وا</i> لا		

## 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.

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# 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**

Lab Name: TestAmerica Buff	alo		Jo	b No.: 4	480-8692	4-1		
SDG No.:								
Client Sample ID: CS-44(S)	DEWALL	0.5')	La	b Sample	e ID: 48	0-86924-5		
Instrument ID (1): HP6890-	-7		In	strument	z ID (2)	: HP6890-7	, 	
Date Analyzed (1): 09/10/2	2015 18	:34	Da	te Analy	zed (2)	: 09/10/20	15 18:34	
GC Column (1): ZB-5	ID:	0.53(mm)	GC	Column	(2): ZE	-35	ID: 0.53	3 (mm)
	COT	חבאע	ייינ	RT WI	NDOW	CONCENT	RATION	
	COL	PLAN	KI	FROM	TO	PEAK	MEAN	RPD
PCB-1260	1	2	4.93	4.90	4.96	0.144	0.12	13.1

5.71

4.61

5.68

4.58

5.74

4.64

0.125

0.253

0.13

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## 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

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	2203		- 5 3 1/2 J 2 4 M J W - 5 3 J	1 v a 2 e z 2 v a	1			1	~		2			W LEACHATE WO - OCEAN WATER GS - SOIL GAS WS - SURFACE WATER WC - DRILLING WATER FIELD OC	ITAL SAMPLE (# - SEQUENTIAL NUMBER (FROM 1 TO 8) TO ACCO	DATE TIME SPECIAL INSTRUCTIO	URE) DATE TIME A.CI'SS-		し、し、
	SITE NAME GE TOARWANDER			COMP/ GRAB SAMPLE ID MATRIX	2 Grab CS-Go(Sidewall 0.5) 50 1	0 6006 (5-61( Sidemetlo.5) 50 1	6mb 2015 0923-FB-1 50 (	3 6 mal cs-63 (Bettom 1.0) 50 1	7 Grash CS-64 (3:20mil 0.5) 50 1	5 Girls CS-67 (5 idemalo 3) 50 1	15 6mb 20150923-RB-1 WQ 2			SL - SLUDGE WG - GROUND WATER WP - DRINKING WATER SO - SOIL WW - WASTE WATER DC - DRILL CUTTINGS	UPLICATE FR# - FIELD REPLICATE MS# - NOFINAL ENVIRONMEN MS# - NATRIX SPIKE	DATE TIME RECEIVED BY (SIGNATURE)	DATE TIME RECEIVED FOR LAB BY (SIGNAT	s shipment, copy to coordinator field files	
CHAIN OF (	PROJECT NO.	SAMPLERS (PRINT/SIGNATURE) TOM U/ 42A / TOM	DELIVERY SERVICE:	LOCATION IDENTIFIER DATE TIME	9/23/15 1102	alz3/15 1110	- <i>Silez</i> ]5	-2/12 SIVE2/2	2 11 SI/C2/L	9/23/15 115	9/23/15 134			AA - AMBIENT AIR SE - SEDIMENT SH - HAZARDOUS SOUI	SUMMERICE SD# - MATRIX SPIKE DI	RELINQUISHED BY (SIGNATURE)	RELINQUISHED BY (SIGNATURE)	Distribution: Original accompanie	

#### 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.

Lab Name: TestAmerica Buff	falo		Jo	b No.:	480-8776	54-1		
SDG No.:				-				
Client Sample ID: CS-61 (S	SIDEWALI	0.5)	La	b Sampl	e ID: 48	30-87764-1:	3	
Instrument ID (1): HP6890-	-7		 In	strumen	t ID (2)	: HP6890-	7	
Date Analyzed (1): 09/24/2	2015 17	2:02	Da	te Anal	yzed (2)	: 09/24/20	015 17:02	
GC Column (1): ZB-5	ID:	0.53(mm)	GC	Column	(2): ZE	3-35	ID: 0.5	3 (mm)
ΔΝΑΙ ΥΤΕ	COT	DEAK	DM	RT WI	NDOW	CONCENT	RATION	
	COL	PLAN	RI	FROM	TO	PEAK	MEAN	RPD
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		
Ĩ	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		

Lab Name: TestAmerica Buffa	10		Jo	b No.:	480-8776	54-1		
SDG No.:				-				
Client Sample ID: 20150923-	FD-1 (	5-615	leatha	b Sample	e ID: 48	0-87764-14		
Instrument ID (1): HP6890-7		0.	) In	strument	t ID (2)	: HP6890-7	1	
Date Analyzed (1): 09/24/20	15 17	:18	Da	te Analy	yzed (2)	: 09/24/20	015 17:18	
GC Column (1): ZB-5	ID:	0.53(mm	) GC	Column	(2): <u>ZB</u>	-35	ID: 0.5	3 (mm)
ANALYTE	COI.	PEAK	Bur	RT WI	NDOW	CONCENT	RATION	DDD
	COL		N1	FROM	TO	PEAK	MEAN	RPD
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		$\bigcirc$
		3	5.46	5.43	5.49	0.300		
1		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		

Lab Name: TestAmerica Buff	alo		Jo	b No.:	480-8776	54-1		
SDG No.:			-			· · · · · · · · · · · · · · · · · · ·		
Client Sample ID: CS-64 (S	IDEWALI	0.5)	La	b Sampl	e ID: 48	30-87764-16	5	
Instrument ID (1): HP6890-	7		In	strumen	t ID (2)	: HP6890-7	,	
Date Analyzed (1): 09/24/2	015 18	8:21	Da	te Anal	yzed (2)	: 09/24/20	15 18:21	
GC Column (1): ZB-5	ID:	0.53(mm)	) GC	Column	(2): ZE	3-35	ID: 0.5	3 (mm)
ANALYTE	COL	PEAK	RT	RT WI	NDOW	CONCENT	RATION	PDD
				FROM	TO	PEAK	MEAN	RFD .
PCB-1260	1	1	4.70	4.67	4.73	0.252	0.26	28.3
	8	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**

Lab Name: TestAmerica Bu	iffalo		Jo	b No.:	480-8776	54-2		
SDG No.:								
Client Sample ID: CS-63	(BOTTOM 1	.0)	La	b Sample	e ID: 48	30-87764-15	5	
Instrument ID (1): HP689	90-7		In	strumen	t ID (2)	: HP6890-7	7	
Date Analyzed (1): 09/24	/2015 14	:07	Da	te Anal	yzed (2)	: 09/24/20	015 14:07	
GC Column (1): ZB-5	ID:	0.53(mm)	GC	Column	(2): ZE	3-35	ID: 0.5	3 (mm)
		DEAK		RT WI	NDOW	CONCENT	RATION	222
	COL	PLAK	RI	FROM	TO	PEAK	MEAN	RPD
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		

AECOM	LAB 1557 America	PAGE / of /	S ONLY TOT NO.# (IN FEET) MING MING R MING MING MING MING MING MING MING MING		24 hr 7747 N 1.571.5 -	3 day 7 at N 05 05	88152 Chain of Custody	ATER LH - HAZARDOUS LIQUID WASTE WATER LF - FLOATING/FREE PRODUCT ON GW TABLE ELD OC	TO 9) TO ACCOMMODATE MULTIPLE SAMPLES IN A SINGLE DAY)	INSTRUCTIONS	HONCOMON TAT	
11ESIS	7 B 0	P C C	S5416-Z	:0h				WL - LEACHATE WO - OCEAN W GS - SOIL GAS WS - SURFACE WC - DRILING WATER FI	IENTAL SAMPLE (# - SEQUENTIAL NUMBER (FROM 1	DATE TIME SPECIAL I	ATURE) DATE TIME ADIE:	
DY RECORD	ENAME TONATINANOA	3 and	BILL NO.:	SAMPLE ID MATRIX	-63A (Bottom Lis) 50 1	-90 (Sigenoll 0.5) 50 1		SUUDGE WG - GROUND WATER DRINKNG WATER SO - SOIL - WASTE WATER DC - DRILL CUTTINGS	*- RINSE BLANK N# - NORMAL ENVIRONN •- FIELD REPLICATE MS# - MATRIX SPIKE	TIME RECEIVED BY (SIGNATURE)	TIME RECEIVED FOR LAB BY (SIGN	y to coordinator field files
CHAIN OF CUSTO	PROJECT NO.	AMPLERS (PRINT/SIGNATURE)	Drop 10 C	LOCATION IDENTIFIER DATE TIME GRAB	01/20/15 1405 6ADA CS	9/30/15 1715 6Not CS		ALACTOR ALAMBIENT AIR SL SUBSTATION SE - SEDIMENT SCORETES SH - HAZARDOUS SOLID WASTE WW		TELINQUISHED BY (SIGNATURE) DATE	IELINQUISHED BY (SIGNATURE) DATE	listribution: Original accompanies shipment, co

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## 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

# 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

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# Login Sample Receipt Checklist

## Client: AECOM Technical Services Inc.

# Login Number: 88489 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	

List Source: TestAmerica Buffalo

## 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.

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## 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**

HAIN OF ( T NO. TR (PHINT/SIGWATURE)		<b>JOD</b>	r REC	CORD X	22 1917 1982 25				LAB 7537 A COOLER /	o o B			
TE TIME	COMP/ GRAB		NO.:	MATRIX	TOTAL NO.# OF CONTAINERS				REMARKS	SAMPLE TYPE	DEPTH (IN FEET) BEGINNING	ELELD LOT NO.# DEPTH (IN FEET) EVDING	
27/12/105/20	300	(31064	Bioenallo	Real Provide American Americ American American A				480-88932 Chain of Custody	3 day TAT	2	S.C.		
A - AMBIENT AIR E - SEDIMENT H - HAZARDOUS SOLI	D WASTE	SL - SLUDGE WP - DRINKING WW - WASTE M	) WATER ATER	NG - GROUND WA SO - SOIL DC - DRILL CUTTIN	VGS	WL - LEACHATE GS - SOIL GAS WC - DRILLING	WATER	WO - OCEAN WATER WS - SURFACE WATER WQ - WATER FIELD OC	LH - HAZARDOUS LIC LF - FLOATING/FREE	NUID WAST		ABLE	
B# - TRIP BLANK D# - MATRIX SPIKE DL	UPLICATE	RB# - RINSE B FR# - FIELD RI	EPUCATE	N# - NORMAL EN MS# - MATRIX SPI	VIRONMENTAL	SAMPLE (#	- SEQUENTIAL I	UMBER (FROM 1 TO 9) TO	) ACCOMMODATE MULTIPLE S	AMPLES IN	I A SINGL	E DAY)	-
SY (SIGNATURE) SY (SIGNATURE) all accompanie:	DATE DATE DATE s shipment, c	TIME	RECEIVED RECEIVED F	La V (Sicily The La V BY COR LAB BY	(SIGNATUR	E DAT		SPECIAL INSTRI	JCTIONS 55A DELPO (	44 1	40		
										11	HH		

## 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**

PROJECT NO PROJECT NO LCH42 745 SAMPLERS (PRINT/SIGNATU TEA UTHA2 TEA UTHAA DELIVERY SERVICE: D DELIVERY SERVICE: D DATE DELIVERY SERVICE: D	F CU:	All and a contract of the cont	DY REC AME AME Teneverde Teneverde (2: dewall 0.5) (2 ( 5: dewall 0.5) (5: dew	D D D D D D D D D D D D D D	₹2808 · Savdun 5804 · Savdun 5804 · Savdun			LAB Test COOLER   PAGE   24 W. TAT	C S S S S S S S S S S S S S S S S S S S	
RELINQUISHED BY (signart RELINQUISHED BY (signart RELINQUISHED BY (signart RELINQUISHED BY (signart RELINQUISHED BY (signart Distribution: Original accom	7 2.5 V A 2.5 V AR US SOUD WASTE URE DUPLICATE SPIKE DUPLICATE URE) D D D D D D D D D D D D D D D D D D D	СС -1. 22	AL BOTTON IN WATER WATER WATER WATER WATER WATER WATER WAS STE	SO GROUND WATER SOIL BRILL CUTTINGS PRILL CUTTINGS PRILL CUTTINGS PRILL CUTTINGS ROTINGS (SIGNATUBE) (SIGNATUBE)	MENTAL SAMP	B0-88991 Chain of B0-88991 Chain of B0-89991 Chain of (b-13.15 1555 DATE TIME DATE TIME	Custody Custody AL NUMBER (FROM 1 TO 9) T SPECIAL INSTR	24 4 747 H-HAZARDOUS LIG LE-HOATINGTHE ACCOMMODATE MULTIPLES	AMPLES IN AMPLES IN	

## 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

Lab Name: TestAmerica B	uffalo		Jo	b No.:	480-8899	1-1		
SDG No.:					<i>N</i>			
Client Sample ID: CS-13	6 (SIDEWAL	L 0.5)	La	b Sample	e ID: 48	0-88991-6		
Instrument ID (1): HP68	90-7	6	In	strument	t ID (2)	: HP6890-7	1	
Date Analyzed (1): 10/1	4/2015 18	:09	Da	te Anal	yzed (2)	: 10/14/20	)15 18:09	)
GC Column (1): ZB-5	ID:	0.53(mm)	GC	Column	(2): <u>ZB</u>	-35	ID: 0.5	53 (mm)
	0.07	DDDV	770	RT WI	NDOW	CONCENT	RATION	222
ANALYTE	COL	PEAK	RT	FROM	TO	PEAK	MEAN	RPD
PCB-1016	1	1 2	3.02	2.99 3.14	3.05	0.255	0.49	34.9
- 10		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		
9 9		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		
1		4	5.36	5.33	5.39	0.586		1

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LOCATION IDENTIFIER DATE	TIME	AP/ AB	SAMPLE ID	MATRIX	vn zoh				T ƏJYMAK	nding Deginain Beginain	HPIMS OF
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AA - AMBIENT A AA - AMBIENT A BE - SEDIMENT BH - HAZARDOU	R S SOLID WASTE	SL - SLL WP - DR WW - Wi	UDGE WATER W INKING WATER SC ASTE WATER DC	S - GROUND WATER - SOIL - DRILL CUTTINGS		480-88991 Chain of C	<b>u ting ind ind ind ind ind ind ind ind ind ind</b>	LH - HAZARDOUS LIQI LF - FLOATING/FREE P	UID WASTE	DN GW TAE	
SAMPLE STREET SITE IS THE BLAU	NK PIKE DUPLICATE	RB# - RI FR# - FI	INSE BLANK NJ ELD REPLICATE M	# - NORMAL ENVIRON 5# - MATRIX SPIKE	IMENTAL SAMP	TE (# - SEGUENTIAL	VUMBER (FROM 1 TO 8) TO	ACCOMMODATE MULTIPLE SA	MPLES IN	A SINGLE	1×40
RELINQUISHED BY (SIGNATL	RE) D/		VE RECEIVED B	Y (SIGNATUBE)		DATE TIME	SPECIAL INSTRU	CTIONS			
RELINQUISHED BY (SIGNATU	LE)	VTE TIN	ME RECEIVED FO	)R LAB BY (sig	NATURE)	10-13-15 15:55 DATE TIME	Meliss	c Deyo-la	م م	N	
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## 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**

Lab Name: TestAmerica Bu	iffalo		Jo	b No.:	480-8899	1-2		
SDG No.:								
Client Sample ID: CS-132	(SIDEWAL	L 0.5)	La	b Sample	e ID: 48	0-88991-3		
Instrument ID (1): HP689	0-7		In	strumen	t ID (2)	: HP6890-7	,	
Date Analyzed (1): 10/14	/2015 14	:26	Da	te Anal	yzed (2)	: 10/14/20	)15 14:26	
GC Column (1): ZB-5	ID:	0.53(mm)	GC	Column	(2): ZB	-35	ID: 0.5	3 (mm)
	CO1	DEAK	DM	RT WI	NDOW	CONCENT	RATION	DDD
ANALYTE	COL	PEAK	RT	FROM	TO	PEAK	MEAN	RPD
PCB-1016	1		3.02	2.99	3.05	0.163	0.17	29.2
		2	3.17	3.14	3.20	0.172		
No. of Contract of	2	1	2.40	2.37	2.43	0.223	0.22	1
3		2	2.57	2.54	2.60	0.310		
		3	2.72	2.69	2.75	0.183		
		4	2.83	2.80	2.86	0.182		5
PCB-1254	1	1 ,	3.98	3.96	4.02	2.55	2.4	26.1
		2	4.29	4.26	4.32	2.47		
	Ŷ	3	4.48	4.46	4.52	2.12		
		4	4.89	4.86	4.92	2.40		1
	2	1	3.61	3.59	3.65	3.50	3.1	- -
		2	4.00	3.97	4.03	3.18		
		3	4.14	4.11	4.17	2.81		
		4	4.57	4.54	4.60	2.90		-
PCB-1260	1	1	4.66	4.63	4.69	1.02	0.54	38.0
		3	5.41	5.38	5.44	0.262		
		4	5.66	5.63	5.69	0.355		
	2	1	4.25	4.22	4.28	1.61	0.80	
		3	5.02	4.99	5.05	0.390		
		4	5.35	5.32	5.38	0.402		8

AECOM	LAB 7257 HINBULLA		S ONLY TOT NO # G (IN FEET) HING E MARK E MARK B E MARK B B E MARK B E MARK B E MARK B E MARK B E MARK B E MARK B E MARKA B E MARKA B MARKA B MARKA B MARKA B MARKA B MARKA B MARKA B MARKA B MARKA B MARKA B MARKA B MARKA B MARKA B MARKA B MARKA B MARKA B MARKA B MARKA B MARKA	Ample of the second sec	24m727 N 0808 -					of Custody		LH - HAZARDOUS LIQUID WASTE LF - FLOATINGFREE PRODUCT ON GW TABLE	O ACCOMMODATE MULTIPLE SAMPLES IN A SINGLE DAY)	UCTIONS		したので、「」	
										480-89056 Chai		E WO - OCEAN WATER WS - SURFACE WATE MATER WO - WATER FIELD C	# - SEQUENTIAL NUMBER (FROM 1 TO 9	TIME SPECIAL INST			
4 19 10	2BOG		AINERS NO.# OF	MB OH 1007	1 1							WATER WL - LEACHATI GS - SOIL GAS CTINGS WC - DRILLING	ENVIRONMENTAL SAMPLE (3	URE) DAT			
RECORI	AWAND A	pla	S S	MPLE ID . MATRIX	orwall 08) So	•						NG - GROUND NATER SO - SOIL ATER DC - DRILL CUT	LANK N# - NORMAL PLICATE NS# - MATRIX	RECEIVED BY (signed		RECEIVED FOR LAB F	ordinator field files
USTODY	SITE NAME	Junt 1		COMP/ GRAB SAI	GREB MS-140 G							SL - SLUDGE WP - DRINKING WASTE WW - WASTE V	PLICATE FR# - FIELD RI	DATE TIME		UAIE IIME	shipment, copy to coo
AIN OF C	Ō	(PRINT/SIGNATURE)	en de	DATE TIME	10/14/15 1005							SE SEDIMENT AIR SE SEDIMENT SE SEDIMENT SH - HAZARDOUS SOLID	TB# - TRIP BLANK SD# - MATRIX SPIKE DUF	HED BY (SIGNATURE)	Hallow	HEU BY (SIGNATURE)	Original accompanies
CH	PROJECT N	SAMPLERS	$\mathcal{D}_{\mathcal{A}}$ delvery s	LOCATION IDENTIFIER										RELINQUIST			Distribution:

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Page 201 of 202

## 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**

480-89242 Chain of Custody	LAB [EST Ausput	COOLER of PAGE of	ONIT) DI NO * (IN LEEL) INNG E LINE E LINE E LINE		24 hr. N 0505 -	TAT NO505-	1 N 0505	1.00000 N	N D.5 0.57	MS DISTOR	5005 0.5 -	N D.5 0.5		J RB	LH - HAZARDOUS LIQUID WASTE LF - FLOATING/FREE PRODUCT ON GW TABLE	COMMODATE MULTIPLE SAMPLES IN A SINGLE DAY)	EYO LAB PM	le 24 M. TaT		
															WO - OCEAN WATER WS - SURFACE WATER WQ - WATER FIELD QC	IUMBER (FROM 1 TO 9) TO A	SPECIAL INSTRUC	All Squark		J* 0° ℃
	17280 171 710 1710	8 हिंदे ह	ר קו זו	1911111 1 252										2	WL - LEACHATE GS - SOIL GAS WC - DRILLING WATER	L SAMPLE (# - SEQUENTIAL N	DATE TIME	E) DATE TIME		
<u>A</u>	14 Je		SHUPS		1 1 0.	/ /							L L I	1 2 8	DUND WATER CUTTINGS	AMAL ENVIRONMENTA ATRIX SPIKE	GNATURE)	AB BY (SIGNATUR		
ODY RECO	SET TANA WANDA	Al Sub	AIRBILL NO.:	SAMPLE ID	5-141 (SIDEWALLOG)	3-142(SUDEWALLOG)	S-143 Sibewall of	3-144 (BOTTOM 1.0)	5-145 (SIDENALLOS)	S-145(SciDewallor) MS	3-145 Suspallas MSD	S-14 HSIDENAILOS	DUSIDIS-FD-1	DOISTOIS-RB-1 W	SL - SLUDGE SP - DRINKING WATER WW - WASTE WATER DC - DRIL	RB# - RINSE BLANK N# - NOF FR# - FIELD REPLICATE MS# - MS	TIME REGEIVED BY (SIG	TIME RECEIVED FOR L	opy to coordinator field files	
OF CUST		WTURE)	ef.	TIME GRAB	5 1250 GAB	1530 1	1240	0551	1600	lieos (	1600	1630 1	-> -> 1	1 02E1 X	BIENT AIR DIMENT ZARDOUS SOLID WASTE	aip Blank Iatrix Spike Duplicate	GNATURE) DATE	GNATURE) DATE	companies shipment, c	
CHAIN	PROJECT NO.	SAMPLERS (PRINTISICE (DONN POS	DELIVERY SERVICE:	LOCATION IDENTIFIER DATE	in testion									>	M- MATRIX	Trans Control Tas-1	RELINQUISHED BY (8)	RELINCUISHED BY (SI	Distribution: Original ac	

#### 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).

114/16 pc

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 480-269166.

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): <u>ZB-5</u> ID: <u>0.53(mm)</u>	GC Column (2): ZB-35 ID: 0.53(mm)

ANALVEE	COT	DEAK	שת	RT WI	NDOW	CONCENT	RATION	חחח
ANALITE	1 COT	PLAN	RI	FROM	TO	PEAK	MEAN	RPD
PCB-1016	i 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		5
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		E
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		
l l	Ĩ	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		

	A=COM	Test America		<u> </u>			THT N					AZARDOUS LIQUID WASTE DATING/FREE PRODUCT ON GW TABLE	TE MULTIPI E SAMPLES IN A SINCLE DAV)				
			C001	PAGE			24 hr.			480-89385 Chain of Custody			WQ - WAIEK FIELD GC That Number (From 1 to 8) to accommoda	TE SPECIAL INSTRUCTIONS	The Process Back 101		
	-₩	284			NO # OF	CONTA	1 1					TEH ML - LEACHATE GS - SOIL GAS	IRONMENTAL SAMPLE (# - SEQUEN KE		(SIGNATURE) DATE TIM	Z.0 #	
		AME advertas/A-			IT NO:	SAMPLE ID MATRIX	18(SINGWALOS) SO					ZQE WATER SO- SOL VIGNO WATER SO- SOL STE WATER DC - DOUL OF THIN	USE BLANK N# - NORMAL EN USE BLANK N# - NORMAL EN SLD REPLICATE MS# - MATRIX SPI	TE RECEIVED BY (ENATURE	IE RECEIVED FOR AB BY	coordinator field files	
		SITE N	• • •	X	AIRB!	(E COMP/ GRAB	42 hab CS-1		 			SEL - SLUI SEL - SLUI WP - DRII WW - WA	BB# - AU	DATE TIN	DATE TIN	ies shipment, copy to	
CHAIN OF		PROJECT NO.	SAMPLERS (PRINT/SIGNATURE)	KAREN RAW / PK	DELIVERY SERVICE: Dap 2	LOCATION IDENTIFIER DATE TIM	10/12/10					A - ANBENTAR A - ANBENTAR A - AND - AND - ANBENTAR A - AND - AND - AND -	A STATES S	RELINQUISHED BY (SIGNATURE)	RELINQUISHED BY (SIGNATURE)	Distribution: Original accompan	

#### 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**

CHAIN OF CU:	STODY RECORD	4 4 5 8 2 1 5 8 2 1	AECOM	
0442945 EBS (BENTRICHATION)	SIE VANE 66 Tonavenda	808	COOLER 1 of 1	
~ Usber / Tom	- the	ROTTLE TYPE AND PRESERVATI		
ERY SERVICE: Dap Of		- 520 JO 5574 B	DNILY LI NO.# IN FEET) NA FEET) NG ARK ARK ARK ARK ARK ARK ARK ARK ARK ARK	(ATNO
TION CONTENTINE CO	MP/ SAMPLE ID MATRIX TOTAL	140	alana SAMPLE BEGINUI BEGINUI BERINU BETELD LO FIELD LO FIELD LO FIELD LO	SMITHI)
10/11/12 1005 Co	es cs-i4q (sidowall 0.3) SO 1		24hr TATN, 050.5 -	
				TT
			Custody	
CLAR AA - AMBIENT AIR ARTON AA - AMBIENT AIR SECONDENT AIR SECONDENT SECOND WASTE	L - SLUDGE WG - GROUND WATER WG - DRINKING WATER WG - GROUND WATER WP - WASTE WATER DC - DRILL CUTTINGS	M LEACHATE WO - OCEN WI B LEACHATE WO - OCEN WI B. SOIL GASTER WS - SURFACE V WC - DAILLING WATER WQ - WATER FIE	TER LH - HAZARDOUS LIQUID WASTE ATER LF - FLOATING/FREE PRODUCT ON GW TABLE D OCC	
DELET TB# - TRIP BLANK SORDES SD# - MATRIX SPIKE DUPLICATE	RB# - FINSE BLANK N# - NORMAL ENVIRONI FR# - FIELD REPLICATE MS# - MATRIX SPIKE	VENTAL SAMPLE (# - SEQUENTIAL NUMBER (FROM 1	O 9) TO ACCOMMODATE MULTIPLE SAMPLES IN A SINGLE DAY)	T
	TATE TIME RECEIVED BY (SIGNATURE)	DATE TIME SPECIAL II	ISTRUCTIONS	
DUISHED BY (SIGNATURE)	ATE TIME RECEIVED OR LAB BY (SIGN	LATURE) BATE TIME ME	ist are - okal in	
tion: Orlginal accompanies shipme	ent, copy to coordinator field files	254		-
				٦
#### 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**

#### **TABLE OF CONTENTS**

#### Page No.

I.	INTRODUCTION	.1
II.	ANALYTICAL METHODOLOGIES AND DATA VALIDATION PROCEDURES	.1
III.	DATA DELIVERABLE COMPLETENESS	.2
IV.	SAMPLE RECEIPT/PRESERVATION/HOLDING TIMES	.2
V.	NON-CONFORMANCES	.3
VI.	SAMPLE RESULTS AND REPORTING	.3
VII.	SUMMARY	.4

#### **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: 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°C ± 2°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 recollection 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 Reviewed By: George E. Kisluk, Senior Chemist 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')	РСВ	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')	РСВ	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')	РСВ	AR1260 pattern not clearly identifiable.	Qualify detected result 'NI'					

# ATTACHMENT A

# **VALIDATED FORM 1s**

J\Projects\38395113\38395294 GE Tonawanda\Analytical\DUSR\Aug\_Oct 2015\DUSR for GE Property docx

Client: URS Corporation

### Job Number: 480-85924-1

Client Sample ID	CS-3(SIDEWALL 0.	5)				
Lab Sample ID: Client Matrix:	480-85924-3 Solid	% Moistur	e: 15.1		Date Sar Date Red	npled: 08/20/2015 0815 ceived: 08/20/2015 1017
	8082A Poly	chlorinated Bipheny	rls (PCBs) by Ga	s Chroma	atography	
Analysis Method: Prep Method: Dilution: Analysis Date: Prep Date:	8082A 3550C 1.0 08/20/2015 1502 08/20/2015 1051	Analysis Batch: Prep Batch:	480-259639 480-259633	Instru Initial Final <sup>I</sup> Injecti Resul	ment ID: Weight/Volume: Weight/Volume: ion Volume: t Type:	HP5890-12 +2.04 g 10 mL 1 uL PRIMARY
Analyte	DryWt Correct	ed: Y Result (n	na/Ka) Qu	alifier	MDL	RL
PCB-1016	appear on a second for the second s	ND		A 100 C 100	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	Г		0.14	0.29
PCB-1260		1.9			0.14	0.29
Surrogate		%Rec	Qua	alifier	Acceptan	ce Limits
Tetrachloro-m-xyle		84	alan 1994 di Maria Indonesia ang kanala di kanala di kanala		60 - 154	annun painen anna a parta dana data tana anna a mara i mara i an a marapatri jar
DCB Decachlorobi	iphenyl	94			65 - 174	

8/24/15 M

Client: URS Corporation

### Job Number: 480-86063-1

Client Sample ID:	CS-6 (SIDEWALL 0.5	')				
Lab Sample ID: Client Matrix:	480-86063-1 Solid	% Moistur	e: 20.6		Date San Date Rec	npled: 08/21/2015 1255 ceived: 08/21/2015 1806
	8082A Polycl	hlorinated Bipheny	ls (PCBs) by Ga	as Chroma	tography	
Analysis Method: Prep Method: Dilution: Analysis Date: Prep Date:	8082A 3550C 5.0 08/24/2015 1401 08/24/2015 0910	Analysis Batch: Prep Batch:	480-260115 480-260070	Instrur Initial Final V Injectio Result	nent ID: Veight/Volume: Veight/Volume: on Volume: Type:	HP5890-12 2.28 g 10 mL 1 uL PRIMARY
Analyte	DryWt Corrected	d: Y Result (n	ng/Kg) Qu	alifier	MDL	RL
PCB-1016	n 📽 na e 🕈 Transel (18 bits quarie), veranda a (18 € grander) (18 € 600 € 600 € 600 € 600 € 6000 € 6000 € 600	ND	in ( 🖕 6 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	harmen o ner e na an 1-a ginne agra pangane	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	ИЭ		0.27	1.4
PCB-1254		ND			0.65	1.4
PCB-1260		11	-12	<del>F</del> †	0.65	1.4
Surrogate		%Rec	Qu	alifier	Acceptan	nce Limits
Tetrachloro-m-xyle	ne	92	adhadhda bhfalannafa barra a sanainte baran fi if a sana a gi y ma		60 - 154	ana a na manana ana ang kanana na manana
DCB Decachlorobi	phenyl	113			65 - 174	

9/2/15

TestAmerica Buffalo

08/27/2015

### Client: AECOM Technical Services Inc.

Client Sample ID:	CS-7 (SIDEWALL 0.	5')			
Lab Sample ID: Client Matrix:	480-86459-1 Solid	% Moisture	e: 17.5	Date Sa Date Re	mpled: 09/01/2015 1230 eceived: 09/01/2015 1702
	8082A Polyc	hlorinated Bipheny	ls (PCBs) by Gas	s Chromatography	
Analysis Method: Prep Method: Dilution: Analysis Date: Prep Date:	8082A 3550C 5.0 09/02/2015 1711 09/02/2015 1043	Analysis Batch: Prep Batch:	480-261681 480-261621	Instrument ID: Initial Weight/Volume: Final Weight/Volume: Injection Volume: Result Type:	HP6890-7 +2.11 g 10 mL 1 uL PRIMARY
Anaiyte	DryWt Correcte	d: Y Result (n	ng/Kg) Qua	alifier MDL	RL
PCB-1016	ng ang anan a in shara a san anananananan an sa a ana a sa ana in sa an a sa an an a sa an a sa a sa	NĎ	antanta faana uu na tanu ni gibaanta kaabu taabu ta	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	Qua	alifier Accepta	nce Limits
Tetrachloro-m-xyle	ene	92	an an 💼 an di ang	60 - 154	найн налтайл түүнүү байлан түүнүү түүнүү түүнүү түүнүү түү чүлүнүнү бал на айтайлуу 👸 улуча.
DCB Decachlorob	iphenyl	89		65 - 174	

Client: AECOM Technical Services Inc.

Client Sample ID:	CS-8 (SIDEWALL 0.5	")			
Lab Sample ID:	480-86459-2			Date Sa	ampled: 09/01/2015 1232
Client Matrix:	Solid	% Moisture	e: 6.9	Date Re	eceived: 09/01/2015 1702
	8082A Polyc	hlorinated Bipheny	ls (PCBs) by Ga	s 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 uL
Prep Date:	09/02/2015 1043			Result Type:	PRIMARY
Analyte	DryWt Corrected	d: Y Result (m	ng/Kg) Qua	alifier MDL	RL
PCB-1016	n an	ND	en en en frijd Kommen er en ei (Kommen er en er en er	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	Qua	alifier Accepta	ance Limits
Tetrachloro-m-xyle		101	namele standard and an and a standard from the second standard standard standard standard standard standard st	60 - 154	
DCB Decachlorob	iphenyl	104		65 - 174	4

Client: AECOM Technical Services Inc.

Job Number: 480-86459-1

Client Sample ID:	CS-9 (SIDEWALL 1.0	'`)				
Lab Sample ID: Client Matrix:	480-86459-3 Solid	% Moisture	e: 17.2		Date Sar Date Rec	npled: 09/01/2015 1235 ceived: 09/01/2015 1702
	8082A Polyc	hlorinated Bipheny	is (PCBs) by Ga	s Chromat	ography	
Analysis Method:	8082A	Analysis Batch:	480-261681	Instrum	ent ID:	HP6890-7
Prep Method:	3550C	Prep Batch:	480-261621	Initial V	leight/Volume:	+2.25 g
Dilution:	1.0			Final W	leight/Volume:	10 mL
Analysis Date:	09/02/2015 1742			Injectio	n Volume:	1 uL
Prep Date:	09/02/2015 1043			Result	Туре:	PRIMARY
Analyte	DryWt Corrected	d: Y Result (n	ng/Kg) Qua	alifier	MDL	RL
PCB-1016	a an a' air a chuir ann ann an a' ann a' ann ann ann ann an	ND	(1) Configuration and the set of the second se second second sec second second sec	• ● • ● (* • † ) · · · · · · · · · · · · · · · · · ·	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	Qua	alifier	Acceptar	nce Limits
Tetrachloro-m-xyle		102	a popularita de la contra e de complementaria 🛔 Ser en español 🖡	i	60 - 154	ni ka na ku naj (\$jernanin kan) (\$jernani ku naj kana ku nakara ku na ka na ku na ku na ku na ku na ku na ku na
DCB Decachlorob	iphenyl	101			65 - 174	

.

### Client: AECOM Technical Services Inc.

Tetrachloro-m-xylene

DCB Decachlorobiphenyl

Job Number: 480-87954-1

60 - 154 65 - 174

Client Sample ID:	CS-9A (SIDEWALL 2	.0)				
Lab Sample ID: Client Matrix:	480-87954-1 Solid	% Moistu	ıre: 18.3		Date San Date Rec	npled: 09/25/2015 1220 ceived: 09/25/2015 1348
	8082A Polyc	hlorinated Biphen	yls (PCBs) b	y Gas Chi	romatography	
Analysis Method: Prep Method: Dilution: Analysis Date: Prep Date:	8082A 3550C 1.0 09/30/2015 1222 09/29/2015 1328	Analysis Batch Prep Batch:	480-26620 480-26605	99 Ir 66 Ir F Ir F	nstrument ID: nitial Weight/Volume: 'inal Weight/Volume: njection Volume: Result Type:	HP6890-7 +2.57 g 10 mL 1 uL PRIMARY
Analyte	DryWt Correcte	d: Y Result (	(mg/Kg)	Qualifier	MDL	RL
PCB-1016 PCB-1221		ND ND			0.047 0.047	0.24 0.24
PCB-1232		ND			0.047	0.24
PCB-1242 PCB-1248		ND ND			0.047 0.047	0.24 0.24
PCB-1254 PCB-1260		ND ND			0.11 0.11	0.24 0.24
Surrogate		%Rec		Qualifier	Acceptar	ice Limits

98

97

### Client: AECOM Technical Services Inc.

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

Client Sample ID	: CS-10 (BOTTOM 1.0')						
Lab Sample ID: Client Matrix:	480-86459-4 Solid	% Moisture	e: 15.1	Date Sa Date Re		mpled: 09/01/2015 1238 ceived: 09/01/2015 1702	
	8082A Polychic	prinated Bipheny	ls (PCBs) by	Gas C	hromatography		
Analysis Method: Prep Method: Dilution: Analysis Date: Prep Date:	8082A 3550C 1.0 09/02/2015 1758 09/02/2015 1043	Analysis Batch: Prep Batch:	480-261681 480-261621	<b>1</b> 1	Instrument ID: Initial Weight/Volume Final Weight/Volume: Injection Volume: Result Type:	HP6890-7 : +2.38 g 10 mL 1 uL PRIMARY	
Analyte	DryWt Corrected:	Y Result (m	ng/Kg)	Qualifie	er MDL	RL	
PCB-1016	and mean enough it is the equal of the product of the standard mean and the second s	ND	a anna an	an è reason y managembre è con g	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		NÐ			0 12	0.25	

100-1200	NB		0.12	0.25	
Surrogate	%Rec	Qualifier	Acceptance	e Limits	
Tetrachloro-m-xylene	101	den die bedaren ofen den einen geben ein wet weren gehop gegeneter Brethelder Brown verbangen e	60 - 154		
DCB Decachlorobiphenyl	100		65 - 174		

### Client: AECOM Technical Services Inc.

PCB-1232

PCB-1242

PCB-1248

PCB-1254

PCB-1260

Surrogate

Tetrachloro-m-xylene

DCB Decachlorobiphenyl

#### Job Number: 480-86459-1

0.26

0.26

0.26

0.26

0.26

Acceptance Limits

60 - 154

65 - 174

0.050

0.050

0.050

0.12

0.12

Qualifier

Client Sample ID:	CS-11 (BOTTOM 1.	0')					
Lab Sample ID: Client Matrix:	480-86459-5 Solid	% Moistur	re: 14.0		Date Sar Date Rec	npled: 09/01/2015 1240 ceived: 09/01/2015 1702	
· · · · · · · · · · · · · · · · · · ·	8082A Poly	chlorinated Bipheny	/Is (PCBs) by G	as Chrom	atography		
Analysis Method: Prep Method: Dilution: Analysis Date: Prep Date:	8082A 3550C 1.0 09/02/2015 1814 09/02/2015 1043	Analysis Batch: Prep Batch:	480-261681 480-261621	Instru Initial Final Inject Resu	ument ID: Weight/Volume: Weight/Volume: tion Volume: It Type:	HP6890-7 +2.26 g 10 mL 1 uL PRIMARY	
Analyte	DryWt Correct	ed: Y Result (r	ng/Kg) Qu	alifier	MDL	RL	
PCB-1016 PCB-1221	na 🧶 go go na sanana a siga anta ka a sa ana a sa bilanda na go na pamana pamang go sa	ND ND	enaldelers & di anna communest, induzi i ana secon co si davanza e	e - o militari il dive il - deservatore di la districta	0.050 0.050	0.26 0.26	

ND

ND

ND

ND

ND

99

104

%Rec

### Client: AECOM Technical Services Inc.

Client Sample ID:	CS-12 (BOTTOM 1.0'	)				
Lab Sample ID: Client Matrix:	480-86459-6 Solid	% Moistur	e: 10.4		Date Sa Date Re	mpled: 09/01/2015 1243 ceived: 09/01/2015 1702
	8082A Polyci	nlorinated Bipheny	ls (PCBs) by	Gas Ch	romatography	
Analysis Method: Prep Method: Dilution: Analysis Date: Prep Date:	8082A 3550C 1.0 09/02/2015 1902 09/02/2015 1043	Analysis Batch: Prep Batch:	480-261681 480-261621		Instrument ID: Initial Weight/Volume: Final Weight/Volume: Injection Volume: Result Type:	HP6890-7 +2.84 g 10 mL 1 uL PRIMARY
Analyte	DryWt Corrected	d: Y Result (n	ng/Kg)	Qualifie	r MDL	RL
PCB-1016	lege a spenningen a star step i frægt a steller. Er at sternaster om støre var at støre for a frægt a lægt av det støre for a for	ND		- arrenta a adres quar y mum	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	1	Qualifie	Acceptar	ce Limits
Tetrachloro-m-xyle	ne	103	and a second	9 web framework as anny galaxy	60 - 154	
DCB Decachlorobi	phenyl	106			65 - 174	

### Client: AECOM Technical Services Inc.

Client Sample ID	: CS-13 (BOTTOM 1.0	))			
Lab Sample ID: Client Matrix:	480-86459-7 Solid	% Moisture	ə: 16.3	Date Sa Date Re	mpled: 09/01/2015 1245 eceived: 09/01/2015 1702
	8082A Poly	chlorinated Bipheny	ls (PCBs) by Gas	Chromatography	
Analysis Method: Prep Method: Dilution: Analysis Date: Prep Date:	8082A 3550C 1.0 09/02/2015 1918 09/02/2015 1043	Analysis Batch: Prep Batch:	480-261681 480-261621	Instrument ID: Initial Weight/Volume: Final Weight/Volume: Injection Volume: Result Type:	HP6890-7 : +2.39 g 10 mL 1 uL PRIMARY
Analyte	DryWt Correcte	ed: Y Result (n	ng/Kg) Qua	lifier MDL	RL
PCB-1016	negi Adar Window fer anderen zin den eine de same eine same eine de seine eine seine seine seine seine seine s	ND	n parana mali di su sunt di mandati para na para su a bangan	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	Qua	lifier Accepta	nce Limits
Tetrachloro-m-xyle	ene	101	er ser værde et filmlighe i efter helle fri slædsskaldet som skale skændenskaldet og som	60 - 154	ana panangana akan sanak s <b>ana 💼</b> sa sa manga siya manga sana sa
DCB Decachlorob	iphenyl	100		65 - 174	

### Client: AECOM Technical Services Inc.

Client Sample ID	CS-14 (BOTTC	OM 1.0' )				
Lab Sample ID:	480-86459-8				Date Sar	npled: 09/01/2015 1247
Client Matrix:	Solid	% Mois	ture: 16.6		Date Rec	eived: 09/01/2015 1702
	8082A	Polychlorinated Biphe	nyis (PCBs) by (	Gas Chroma	itography	
Analysis Method:	8082A	Analysis Batc	h: 480-261681	Instru	ment 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			Injecti	on Volume:	1 uL
Prep Date:	09/02/2015 1043			Resul	t Type:	PRIMARY
Analyte	DryWt Co	prrected: Y Result	t (mg/Kg) C	ualifier	MDL	RL
PCB-1016	a de Alerta d' 🗰 la constituída e a trainight ann de an		nen menne fordere flattere de le renne se le renne s a promonantemper y cy y in	The restant of the same state	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	C	ualifier	Acceptan	ce Limits
Tetrachloro-m-xyle	ene	101	men a state of the state of the same same as a second state of the sta		60 - 154	r fe-belenne som a mer som a proper 😸 (e. Gesansreachdennefisionennerarmen de fedar of 6. død. P av 1
DCB Decachlorob	iphenyl	106			65 - 174	

### Client: AECOM Technical Services Inc.

Client Sample ID:	CS-15 (BOTTOM 1.0'	)				
Lab Sample ID:	480-86459-9				Date Sa	mpled: 09/01/2015 1253
Client Matrix:	Solid	% Moisture	e: 8.8		Date Re	ceived: 09/01/2015 1702
	8082A Polyci	nlorinated Bipheny	ls (PCBs) by	Gas Cl	nromatography	· · · · · · · · · · · · · · · · · · ·
Analysis Method:	8082A	Analysis Batch:	480-261681	l	Instrument ID:	HP6890-7
Prep Method:	3550C	Prep Batch:	480-261621	I	Initial Weight/Volume:	+2.30 g
Dilution:	1.0				Final Weight/Volume:	10 mL
Analysis Date:	09/02/2015 1950				Injection Volume:	1 uL
Prep Date:	09/02/2015 1043				Result Type:	PRIMARY
Analyte	DryWt Corrected	1: Y Result (m	ng/Kg)	Qualifie	r MDL	RL
PCB-1016	nade is no second to it also be a second to second it are not assume a second to be assumed as a second to be a	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		Qualifie	r Accepta	nce Limits
Tetrachloro-m-xyle	ene	103			60 - 154	ar hada manananan ana an an an an an an an an an
DCB Decachlorobi	phenyl	105			65 - 174	

### Client: AECOM Technical Services Inc.

Client Sample ID:	CS-16 (BOTTOM 1.0')	)					
Lab Sample ID: Client Matrix:	480-86459-10 Solid	% Moisture	e: 10.6		Date San Date Rec	npled: 09/01/201 ceived: 09/01/201	5 1258 5 1702
	8082A Polych	lorinated Bipheny	ls (PCBs) by	Gas Ch	romatography		
Analysis Method: Prep Method: Dilution: Analysis Date: Prep Date:	8082A 3550C 1.0 09/02/2015 2006 09/02/2015 1043	Analysis Batch: Prep Batch:	480-261681 480-261621		Instrument ID: Initial Weight/Volume: Final Weight/Volume: Injection Volume: Result Type:	HP6890-7 +2.61 g 10 mL 1 uL PRIMARY	
Analyte	DryWt Corrected:	: Y Result (n	ng/Kg)	Qualifie	MDL	RL	
PCB-1016	Stationaldy of the solution and a finite and attend a fire a terr with a maximum flar instance with the solution of the soluti	ND	an a anna 2017 an tarana Sana 1970 an t	bis ar opposition polymer p	0.042	0.21	1100 C
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		Qualifie	r Acceptan	ce Limits	
Tetrachloro-m-xyle	ne	101	an in a shara an a a a a a a a a a a a a a a a a a	995-9549-9 Weiddige is Soldifferen d	60 - 154	ann annan an an Aonair Aonai	(1997) The Market State of State States of
DCB Decachlorobi	phenyl	102			65 - 174		

### Client: AECOM Technical Services Inc.

Client Sample ID:	CS-17 (BOTTOM 1.0'	)				
Lab Sample ID: Client Matrix:	480-86459-11 Solid	% Moisture	ə: 10.2		Date San Date Rec	npled: 09/01/2015 1301 ceived: 09/01/2015 1702
	8082A Polyci	hlorinated Bipheny	is (PCBs) by Ga	s Chromato	ography	
Analysis Method: Prep Method: Dilution: Analysis Date: Prep Date:	8082A 3550C 1.0 09/02/2015 2021 09/02/2015 1043	Analysis Batch: Prep Batch:	480-261681 480-261621	Instrum Initial W Final W Injectior Result 7	ent ID: /eight/Volume: eight/Volume: n Volume: Гуре:	HP6890-7 +2.15 g 10 mL 1 uL PRIMARY
Analyte	DryWt Corrected	d: Y Result (m	ng/Kg) Qua	alifier	MDL	RL
PCB-1016	(2) An externe (2) A di se secondo de la manetarena da seu comi fra di anderlar. No shamma grilip va a manuna a que per el secondo de la manuna de la periori.	No. 19 - 19 - 19 - 19 - 19 - 19 - 19 - 19	aler a secondarian a such samena meren salaran en yang agam sami		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	Qua	alifier	Acceptan	nce Limits
Tetrachloro-m-xyle	ne	104	1	1997 - 1997 - 1996 - 1997 - 19	60 - 154	
DCB Decachlorobi	phenyl	108			65 - 174	

### Client: AECOM Technical Services Inc.

Client Sample ID:	CS-18 (BOTTOM 1.0	')				
Lab Sample ID: Client Matrix:	480-86459-12 Solid	% Moisture	e: 10.0		Date San Date Rec	npled: 09/01/2015 1304 ceived: 09/01/2015 1702
	8082A Polyc	hlorinated Bipheny	s (PCBs) by G	as Chroma	tography	
Analysis Method: Prep Method: Dilution: Analysis Date: Prep Date:	8082A 3550C 1.0 09/02/2015 2037 09/02/2015 1043	Analysis Batch: Prep Batch:	480-261681 480-261621	Instru Initial Final Injecti Resul	ment ID: Weight/Volume: Weight/Volume: on Volume: t Type:	HP6890-7 +2.47 g 10 mL 1 uL PRIMARY
Analyte	DryWt Correcte	ed: Y Result (m	g/Kg) Qu	ualifier	MDL	RL
PCB-1016		ND	promise it is not a property to its same provident to the second s		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	Qu	ualifier	Acceptan	ice Limits
Tetrachloro-m-xyle	ene	101	nanacistaren (#185annen et Einennen et		60 - 154	a characterization and of environmental spaces and the set operation of the sources
DCB Decachlorobi	iphenyl	105			65 - 174	

### Client: AECOM Technical Services Inc.

Lab Sample ID:

Client Matrix:

### Job Number: 480-86459-1

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

480-86459-14

Date Sampled: 09/01/2015 1330 Date Received: 09/01/2015 1702

Analysis Method:	8082A	Analysis	Batch:	480-261681		Instrument ID:	HP6890-7
Prep Method:	3550C	Prep Ba	tch:	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 uL
Prep Date:	09/02/2015 1043					Result Type:	PRIMARY
Analyte	DryWt Corrected	: Y	Result (m	ng/Kg)	Qualifie	r MDL	RL
PCB-1016	ar an will a well soully an exception of the second s	ada y kalut ta ha da ta da ta da ta	ND		hi than 🛊 — dhafhadhadhadha	0.040	0.21
PCB-1221			ND			0.040	0.21
PCB-1232		l	ND			0.040	0.21
PCB-1242		ł	ND			0.040	0.21
PCB-1248		1	ND			0.040	0.21
PCB-1254		1	ND			0.096	0.21
PCB-1260		(	0.24			0.096	0.21
Surrogate			%Rec		Qualifie	r Accepta	ance Limits
Tetrachloro-m-xyle	ene en	nin it stilge diritationsende getane seador- og a p	97	Improved the file to the the standard state of the sta	i dilang karlajar Jel (prinsilai	60 - 154	ļ
DCB Decachlorob	iphenyl	!	98			65 - 174	1

% Moisture: 7.1

### Client: AECOM Technical Services Inc.

Client Sample ID:	CS-22 (BOTTOM 1.0	))			
Lab Sample ID:	480-86459-15 Solid	% Moisture	× 84	Date Sar	npled: 09/01/2015 1334
	3010		5. 0.4	Dale Rei	ceived. 09/01/2015 1/02
	8082A Polyc	chlorinated Bipheny	s (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 Correcte	ed: Y Result (m	ng/Kg) Qua	lifier MDL	RL
PCB-1016	anna a shaanaa maraanaa ah Balaadada iyo bahaada ah ah ah Bilani yoo da	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	Qua	lifier Acceptar	nce Limits
Tetrachloro-m-xyle	n de ser en en de de ser en de la deserver de la de BIRE	100		60 - 154	
DCB Decachlorob	iphenyl	102		65 - 174	

### Client: AECOM Technical Services Inc.

Client Sample ID	CS-23 (SIDEWALL	0.5' )				
Lab Sample ID: Client Matrix:	480-86459-16 Solid	% Moisture	e: 9.6		Date San Date Rec	npled: 09/01/2015 1340 ceived: 09/01/2015 1702
	8082A Poly	chlorinated Bipheny	ls (PCBs) by G	as Chroma	tography	
Analysis Method: Prep Method: Dilution: Analysis Date: Prep Date:	8082A 3550C 1.0 09/02/2015 2109 09/02/2015 1043	Analysis Batch: Prep Batch:	480-261681 480-261621	Instru Initial Final <sup>1</sup> Injecti Resul	ment ID: Weight/Volume: Weight/Volume: on Volume: t Type:	HP6890-7 +2.24 g 10 mL 1 uL PRIMARY
Analyte	DryWt Correct	ed: Y Result (m	ıg/Kg) Qu	Jalifier	MDL	RL
PCB-1016	na na Milanana ana ang kana ang kana ang kana ang kana ang kana kana	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	Qu	ualifier	Acceptan	ce Limits
Tetrachloro-m-xyle	ne	100	nin 🖁 o remenden 🕸 i e ci 🙊 normalizaturi i dominikarika	innen o en ene estadora e etadorador durad	60 - 154	elemente antiporte de la Challene de la Representation promotion particular de la sol
DCB Decachlorob	iphenyl	105			65 - 174	

#### Client: AECOM Technical Services Inc.

Lab Sample ID:

### Job Number: 480-86459-1

Client Sample ID: CS-24 (I	BOTTOM 1.0')
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Date Sampled: 09/01/2015 1345 Date Received: 09/01/2015 1702

Client Matrix:	Solid	%	

480-86459-17

% Moisture: 9.9

# 8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method: Prep Method: Dilution: Analysis Date: Prep Date:	8082A 3550C 2.0 09/02/2015 212 09/02/2015 104	Anal Prep 3	ysis Batch: 9 Batch:	480-26168 <sup>-</sup> 480-26162 <sup>-</sup>	1	Instrument ID: Initial Weight/Volume Final Weight/Volume Injection Volume: Result Type:	HP6890-7 e: +2.11 g : 10 mL 1 uL PRIMARY	
Analyte	DryWt	Corrected: Y	Result (m	ng/Kg)	Qualifie	r MDL	RL	
PCB-1016	af a feire an a' rann ann à ream ann àiteann ann an Sainnean an Sainnean an Sainnean an Sainnean às	e e a sense a desense or more tra a congrese surfacementaria	ND	an a star a star an		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		Qualifie	r Accept	ance Limits	
Tetrachloro-m-xyle	ne		101			60 - 15	4	
DCB Decachlorobi	ohenyl		107			65 - 17	4	

### Client: AECOM Technical Services Inc.

### Job Number: 480-87954-2

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

Lab Sample ID: Client Matrix:	480-87954-3 Solid	% Moistur	re: 16.0		Date Sar Date Rec	npled: 09/25/2015 1045 ceived: 09/25/2015 1348
	8082A Poly	chlorinated Bipheny	/Is (PCBs) by G	as Chroma	itography	
Analysis Method: Prep Method: Dilution: Analysis Date: Prep Date:	8082A 3550C 1.0 09/28/2015 2049 09/28/2015 1143	Analysis Batch: Prep Batch:	480-265881 480-265832	Instru Initial Final <sup>I</sup> Injecti Resul	ment ID: Weight/Volume: Weight/Volume: ion Volume: t Type:	HP6890-7 +2.51 g 10 mL 1 uL PRIMARY
Analyte PCB-1016 PCB-1221 PCB-1232 PCB-1242 PCB-1248 PCB-1254 PCB-1260	DryWt Correct	ed: Y Result (r ND ND ND ND ND ND ND ND	ng/Kg) Qi	ualifier	MDL 0.046 0.046 0.046 0.046 0.046 0.11 0.11	RL 0.24 0.24 0.24 0.24 0.24 0.24 0.24
Surrogate Tetrachloro-m-xyle DCB Decachlorob	ene iphenyl	%Rec 103 98	Qı	ualifier	Acceptan 60 - 154 65 - 174	ice Limits

### Client: AECOM Technical Services Inc.

Client Sample ID	: CS-25 (BOTTOM 1.0	)')				
Lab Sample ID: Client Matrix:	480-86459-18 Solid	% Moistur	e: 13.0		Date Sampled: 09 Date Received: 09	9/01/2015 1348 9/01/2015 1702
	8082A Poly	chlorinated Bipheny	ls (PCBs) by Gas	Chromatogra	ohy	
Analysis Method: Prep Method: Dilution: Analysis Date: Prep Date:	8082A 3550C 1.0 09/02/2015 2213 09/02/2015 1043	Analysis Batch: Prep Batch:	480-261681 480-261621	Instrument II Initial Weigh Final Weight Injection Vol Result Type:	): HP6890 t/Volume: +2.43 t/Volume: 10 mL ume: 1 uL PRIMAI	)-7 g RY
Analyte	DryWt Correcte	ed: Y Result (n	ng/Kg) Qua	lifier MD	L RL	
PCB-1016	a nan naninalah kasara-ma na a a lana pilan pilan kara kasara kasara kasara kasara kasara kara k	ND		0.0	46 0.2	4
PCB-1221		ND		0.04	46 0.2	4
PCB-1232		ND		0.04	46 0.2	4
PCB-1242		ND		0.04	46 0.2	4
PCB-1248		ND		0.04	46 0.2	4
PCB-1254		ND		0.1	0.2	4
PCB-1260		3.6		0.1	<mark>ا 0.2</mark>	4
Surrogate		%Rec	Qua	lifier	Acceptance Limits	
Tetrachloro-m-xyle	ene	81	e presiden ny maja na majapanakan kara ana karang <b>k</b> arang karang kar	dente formel more state sport for a superstanding of the data of a superstate of the same	60 - 154	
DCB Decachlorob	iphenyl	83			65 - 174	

### Client: AECOM Technical Services Inc.

Job Number: 480-87954-2

Client Sample ID:	CS-25A (BOTTOM 1.	5)				
Lab Sample ID: Client Matrix:	480-87954-4 Solid	% Moisture	e: 16.0		Date Sar Date Rec	npled: 09/25/2015 1050 ceived: 09/25/2015 1348
	8082A Polycł	nlorinated Bipheny	is (PCBs) by G	as Chromato	graphy	
Analysis Method: Prep Method: Dilution: Analysis Date: Prep Date:	8082A 3550C 1.0 09/28/2015 2104 09/28/2015 1143	Analysis Batch: Prep Batch:	480-265881 480-265832	Instrume Initial W Final We Injection Result T	ent ID: eight/Volume: eight/Volume: Volume: ype:	HP6890-7 +2.23 g 10 mL 1 uL PRIMARY
Analyte	DryWt Corrected	:Y Result (m	iq/Kg) Q	ualifier	MDL	RL
PCB-1016	1	ND	0.01		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	Q	ualifier	Acceptan	ice Limits
Tetrachloro-m-xyle	ne	98			60 - 154	
DCB Decachlorobi	phenyl	93			65 - 174	

#### Client: AECOM Technical Services Inc.

### Job Number: 480-86459-1

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

Date Sampled: 09/01/2015 1353 Date Received: 09/01/2015 1702

Lab Sample ID:	480-86459-19	
Client Matrix:	Solid	%

% Moisture: 9.8

### 8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method: Prep Method: Dilution: Analysis Date: Prep Date:	8082A 3550C 1.0 09/02/2015 2229 09/02/2015 1043	Analysis Batch: Prep Batch:	480-261681 480-261621	Insti Initia Fina Injeo Res	rument ID: al Weight/Volume: al Weight/Volume: ction Volume: ult Type:	HP6890-7 +2.17 g 10 mL 1 uL PRIMARY
Analyte	DryWt Corrected:	Y Result (n	ng/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	Acceptan	ce Limits
Tetrachloro-m-xyle	ne	103	inter a serie en a se entres annagegant articlar provide atualme	adus ministrum nationalise (normalise se antigatione de la substitu	60 - 154	ann an sta ann an a
DCB Decachlorobi	phenyl	110			65 - 174	

#### Client: AECOM Technical Services Inc.

Job Number: 480-86459-1

<b>Client Sample ID</b>	CS-27 (BOTTOM 1.0')					
Lab Sample ID: Client Matrix:	480-86459-20 Solid	% Moisture	e: 10.5		Date Sar Date Rec	npled: 09/01/2015 1358 ceived: 09/01/2015 1702
	8082A Polychi	orinated Bipheny	ls (PCBs) by	Gas Ch	romatography	
Analysis Method:	8082A	Analysis Batch:	480-26168	1	nstrument ID:	HP6890-7
Prep Method:	3550C	Prep Batch:	480-26162	1	nitial Weight/Volume:	+2.43 g
Dilution:	1.0			1	inal Weight/Volume:	10 mL
Analysis Date:	09/02/2015 2245			1	njection Volume:	1 uL
Prep Date:	09/02/2015 1043			1	Result Type:	PRIMARY
Analyte	DryWt Corrected:	Y Result (n	ng/Kg)	Qualifie	MDL	RL
PCB-1016	an an ann a' chuir ann an a' chuirean an a' Graif an ann ann ann a' chuirdeann a' chuirdeann a' chuirdeann a' a	ND	an a	de la fore a una considerant por especie	0.045	0.23

ND	na na mana da papagaman appenda ya na na mangkana na mba da da da ya na manaka	0.045	0.23	te for a set it is summing on
ND		0.045	0.23	
ND		0.045	0.23	
ND		0.045	0.23	
ND		0.045	0.23	
ND		0.11	0.23	
0.56		0.11	0.23	
%Rec	Qualifier	Accepta	ince Limits	
100	· 200 (2.)) ////// full-full-full-full-full-full-full-full	60 - 154	filmmer e filmmer meg e sjor geregen op oa geregen die staat die staat die staat gedeu die	
102		65 - 174	l -	
	ND ND ND ND 0.56 %Rec 100 102	ND ND ND ND 0.56 %Rec Qualifier 100 102	ND         0.045           ND         0.11           0.56         0.11           %Rec         Qualifier         Accepta           100         60 - 154           102         65 - 174	ND         0.045         0.23           ND         0.11         0.23           0.56         0.11         0.23           %Rec         Qualifier         Acceptance Limits           100         60 - 154           102         65 - 174

Client: AECOM Technical Services Inc.

Job Number: 480-86459-1

Client Sample ID:	: CS-28 (BOTTOM 1.0	')			
Lab Sample ID: Client Matrix:	480-86459-21 Solid	% Moistur	e: 13.0	Da Da	ate Sampled: 09/01/2015 1400 ate Received: 09/01/2015 1702
	8082A Polyc	hlorinated Bipheny	is (PCBs) by Gas	Chromatography	
Analysis Method: Prep Method: Dilution: Analysis Date: Prep Date:	8082A 3550C 1.0 09/02/2015 2301 09/02/2015 1043	Analysis Batch: Prep Batch: .	480-261681 480-261621	Instrument ID: Initial Weight/Vo Final Weight/Vo Injection Volume Result Type:	HP6890-7 blume: +2.60 g lume: 10 mL e: 1 uL PRIMARY
Analyte	DryWt Correcte	d: Y Result (n	ng/Kg) Qua	lifier MDL	RL
PCB-1016	be a rhobrid with a high h a high h 21 had an 22 m 20 h 2 a 22 h 4 diabh ridheadach a 4 sadh Gunasan	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	Qua	lifier Ac	ceptance Limits
Tetrachloro-m-xyle	ene	92		60	- 154
DCB Decachlorob	iphenyl	88		65	- 174

9

63

### Client: AECOM Technical Services Inc.

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

Lab Sample ID:	480-86459-22				Date San	npled: 09/01/2015 1403
Client Matrix:	Solid	% Moisture	e: 7.2		Date Rec	eived: 09/01/2015 1702
	8082A Poly	chlorinated Bipheny	ls (PCBs) by C	Gas Chrom	atography	
Analysis Method: Prep Method: Dilution: Analysis Date: Prep Date:	8082A 3550C 1.0 09/03/2015 0212 09/02/2015 1047	Analysis Batch: Prep Batch:	480-261681 480-261622	Instr Initia Fina Injec Rest	ument ID: I Weight/Volume: I Weight/Volume: tion Volume: ult Type:	HP6890-7 +2.02 g 10 mL 1 uL PRIMARY
Analyte	DryWt Correct	ed: Y Result (m	ng/Kg) C	Qualifier	MDL	RL
PCB-1016	nand is 1947 <b>B</b> holds <b>B</b> construct B channes I also an \$1 is a construction of an an	ND		Construction of the Association of the State	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	C	Qualifier	Acceptar	ice Limits
Tetrachloro-m-xyle	ene	105	dan kana tada-anari kanannan menun menun darahan a merupakan	• • • • • • • • • • • • • • • • • • • •	60 - 154	
DCB Decachlorob	iphenyl	107			65 - 174	
#### Client: AECOM Technical Services Inc.

Job Number: 480-86459-1

Date Sampled: 09/01/2015 1409 Date Received: 09/01/2015 1702

	2092A Polyablaria	atad Binhanyla	(PCBs) by Gas Ch	romatography
Lab Sample ID: Client Matrix:	480-86459-23 Solid	% Moisture:	11.4	Da Da
Client Sample ID:	CS-30 (SIDEWALL 0.5')			De

					0.1.7	
Analysis Method: Prep Method: Dilution: Analysis Date: Prep Date:	8082A 3550C 1.0 09/03/2015 0300 09/02/2015 1047	Analysis Batch: Prep Batch:	480-261681 480-261622	Ins Init Fin Inje Re	strument ID: tial Weight/Volume: nal Weight/Volume: ection Volume: ssult Type:	HP6890-7 +2.06 g 10 mL 1 uL PRIMARY
Analyte	DryWt Corrected	Y Result (n	ng/Kg)	Qualifier	MDL	RL
PCB-1016	ana ang ang ang ang ang ang ang ang ang	ND	ana 🖷 la fue darlar 🖷 david il na 🗮 biliana 🖷 de una cher locas a		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	Acceptar	nce Limits
Tetrachloro-m-xyle	ne	101	Deglerach dhe visae Associated dae adderserier dha arvitre var dh.y.a		60 - 154	ne na la construir e presentante presentante e construir e construir e construir e construir e construir e const La construir e c
DCB Decachlorobi	iphenyl	104			65 - 174	

### Client: AECOM Technical Services Inc.

Client Sample ID:	CS-33 (BOTTOM 1.0)					
Lab Sample ID: Client Matrix:	480-86752-1 Solid	% Moisture	e: 13.8		Date San Date Rec	npled: 09/04/2015 0835 æived: 09/04/2015 1017
	8082A Polych	lorinated Bipheny	ls (PCBs) by Ga	as Chromato	graphy	
Analysis Method: Prep Method: Dilution: Analysis Date: Prep Date:	8082A 3550C 1.0 09/09/2015 0838 09/08/2015 0849	Analysis Batch: Prep Batch:	480-262464 480-262323	Instrume Initial W Final W Injection Result 1	ent ID: leight/Volume: eight/Volume: n Volume: lype:	HP6890-7 +2.39 g 10 mL 1 uL PRIMARY
Analvte	DryWt Corrected	Y Result (n	ng/Kg) Qi	ualifier	MDL	RL
PCB-1016 PCB-1221 PCB-1232 PCB-1242 PCB-1248 PCB-1254 PCB-1260		ND ND ND ND 0.22 0.21	j J		0.047 0.047 0.047 0.047 0.047 0.047 0.11 0.11	0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24
Surrogate Tetrachloro-m-xyle DCB Decachlorob	ene iphenyl	%Rec 106 96	Q	ualifier	Acceptar 60 - 154 65 - 174	nce Limits

Client: AECOM Technical Services Inc.

Client Sample ID:	CS-34 (BOTTOM 1.0)					
Lab Sample ID: Client Matrix:	480-86752-2 Solid	% Moisture	e: 11.6		Date San Date Rec	npled: 09/04/2015 0838 ceived: 09/04/2015 1017
	8082A Polychi	orinated Bipheny	ls (PCBs) by G	as Chrom	atography	
Analysis Method: Prep Method: Dilution: Analysis Date: Prep Date:	8082A 3550C 1.0 09/09/2015 0854 09/08/2015 0849	Analysis Batch: Prep Batch:	480-262464 480-262323	Instru Initial Final Injec Resu	ument ID: I Weight/Volume: Weight/Volume: tion Volume: Ilt Type:	HP6890-7 +2.61 g 10 mL 1 uL PRIMARY
Analyte	DryWt Corrected	Y Result (n	ng/Kg) Qi	ualifier	MDL	RL
PCB-1016	arabited and an an an an Aff S contractor F and a set of Manager I and a set of Manager I and a set of the set	ND	nganananana, yanan Parsaya (y 🍯 Spage Argenta Sata y Satanina dan sat	E dennis de selecte de la filia de la composition de la composit	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	Q	ualifier	Acceptar	nce Limits
Tetrachloro-m-xyle	ene	100	gengenning gende man makander som Elimanedia for det (PER-Profestor de PER-Profestor de PER-Profestor de PER-Pro		60 - 154	
DCB Decachlorob	iphenyl	98			65 - 174	

Client: AECOM Technical Services Inc.

Client Sample ID:	CS-35 (BOTTOM 1.0)	)			
Lab Sample ID: Client Matrix:	480-86752-3 Solid	% Moisture	e: 10.3	Date Sar Date Red	npled: 09/04/2015 0845 ceived: 09/04/2015 1017
·····	8082A Polyc	hlorinated Bipheny	s (PCBs) by Gas	Chromatography	
Analysis Method: Prep Method: Dilution: Analysis Date: Prep Date:	8082A 3550C 1.0 09/09/2015 0910 09/08/2015 0849	Analysis Batch: Prep Batch:	480-262464 480-262323	Instrument ID: Initial Weight/Volume: Final Weight/Volume: Injection Volume: Result Type:	HP6890-7 +2.54 g 10 mL 1 uL PRIMARY
Analyte	DryWt Correcte	d: Y Result (m	ıg/Kg) Qua	lifier MDL	RL
PCB-1016		ND	an a su ana ana ana ang ang ang ang ang ang ang	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	Qua	alifier Acceptar	nce Limits
Tetrachloro-m-xyle	ene	105	alaada waxaa waxaa daala wahaada ahiin da ufa iyo ayaa magaa waxaayaa maaa wahii	60 - 154	
DCB Decachlorob	iphenyl	97		65 - 174	

#### Client: AECOM Technical Services Inc.

Job Number: 480-86925-1

Client Sample ID:	CS-36 BOTTOM 1.0					
Lab Sample ID: Client Matrix:	480-86925-1 Solid	% Moisture	e: 6.6		Date San Date Rec	npled: 09/09/2015 0900 eived: 09/09/2015 1345
	8082A Polych	lorinated Bipheny	is (PCBs) by (	Gas Chroma	atography	
Analysis Method: Prep Method: Dilution: Analysis Date: Prep Date:	8082A 3550C 1.0 09/10/2015 1906 09/10/2015 0819	Analysis Batch: Prep Batch:	480-262904 480-262781	Instru Initial Final Inject Resu	iment ID: Weight/Volume: Weight/Volume: ion Volume: It Type:	HP6890-7 +2.77 g 10 mL 1 uL PRIMARY
Analyte	DryWt Corrected	I: Y Result (n	ng/Kg) (	Qualifier	MDL	RL
PCB-1016 PCB-1221 PCB-1232 PCB-1242 PCB-1248 PCB-1254 PCB-1260	-1	ND ND ND ND ND 0.32			0.038 0.038 0.038 0.038 0.038 0.038 0.090 0.090	0.19 0.19 0.19 0.19 0.19 0.19 0.19 0.19
Surrogate		%Rec	(	Qualifier	Acceptar	nce Limits
Tetrachloro-m-xyle DCB Decachlorob	ene iphenyl	95 96			60 - 154 65 - 174	

Client: AECOM Technical Services Inc.

Job Number: 480-86925-1

Client Sample ID:	CS-37 BOTTOM 1.0				Date San	npled: 09/09/2015 0909
Client Matrix:	Solid	% Moisture	e: 18.0		Date Rec	ceived: 09/09/2015 1345
	8082A Polyc	hlorinated Bipheny	ls (PCBs) by G	as Chroma	tography	
Analysis Method:	8082A	Analysis Batch: Pren Batch:	480-262904 480-262781	Instru	ment ID: Weight/Volume:	HP6890-7 +2.66 g
Dilution:	1.0		100 2021 01	Final V Iniecti	Weight/Volume: on Volume:	10 mL 1 uL
Prep Date:	09/10/2015 0819			Resul	t Type:	PRIMARY
Analyte	DryWt Correcte	d: Y Result (n	ng/Kg) C	alifier	MDL	RL
PCB-1016	a na ann an ann an ann an ann an ann an	ND	na al 🖗 anna an al 👘 in sana ann an an an Anna 🛊 è sin an ann an Estado	and a second	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		No.	0.11	0.23
PCB-1260		0.12	1		0.11	0.23
Surrogate		%Rec	c	Qualifier	Acceptar	nce Limits
Tetrachloro-m-xyle DCB Decachlorob	ene iphenyl	86 85			60 - 154 65 - 174	

9 15 15

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Job Number: 480-86925-1

Client: AECOM Technical Services Inc.

Client Sample ID:	20150909-FD-1	c5-3	37 (Bot	bm 1.0	)				
Lab Sample ID: Client Matrix:	480-86925-5 Solid		% Moisture	e: 16.9			Date San Date Rec	npled: 09/09/2015 00 eived: 09/09/2015 13	00 45
	8082A Po	lychlorinate	ed Bipheny	ls (PCBs) b	y Gas C	hromat	tography		
Analysis Method: Prep Method: Dilution: Analysis Date: Prep Date:	8082A 3550C 1.0 09/10/2015 1954 09/10/2015 0819	Anal Prep	ysis Batch: Batch:	480-26290 480-26278	)4 31	Instrun Initial V Final V Injectic Result	nent ID: Weight/Volume: Veight/Volume: on Volume: Type:	HP6890-7 +2.50 g 10 mL 1 uL PRIMARY	
Analyte	DryWt Corre	cted: Y	Result (n	ng/Kg)	Qualif	ier	MDL	RL	
PCB-1016		and a sub-	ND		i i maljik izma un ratom		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		Qualif	ier	Acceptar	nce Limits	
Tetrachloro-m-xyle	ene		92				60 - 154		
DCB Decachlorob	iphenyl		92				65 - 174		

#### Client: AECOM Technical Services Inc.

Job Number: 480-86925-1

Client Sample ID:	CD-38 BOTTOM 1.0					
Lab Sample ID: Client Matrix:	480-86925-3 Solid	% Moisture	e: 14.6		Date San Date Rec	pled: 09/09/2015 0916 æived: 09/09/2015 1345
	8082A Polych	lorinated Bipheny	is (PCBs) by	Gas Chro	matography	
Analysis Method: Prep Method: Dilution: Analysis Date: Prep Date:	8082A 3550C 1.0 09/10/2015 1938 09/10/2015 0819	Analysis Batch: Prep Batch:	480-262904 480-262781	Ins Init Fin Inje Re	trument ID: ial Weight/Volume: al Weight/Volume: ection Volume: sult Type:	HP6890-7 +2.25 g 10 mL 1 uL PRIMARY
Analyte	DryWt Corrected	Y Result (n	ng/Kg)	Qualifier	MDL	RL
PCB-1016	and the fore-series of a second data to a second	ND	a Marinda A Darindan ananan sar magangin padapangi	mment meridostrati E transc a na se	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	Acceptar	nce Limits
Tetrachloro-m-xyle	ene	96			60 - 154	
DCB Decachlorob	iphenyl	97			65 - 174	

#### Client: AECOM Technical Services Inc.

Job Number: 480-86925-1

Client Sample ID:	CS-39 BOTTOM 1.0					
Lab Sample ID: Client Matrix:	480-86925-4 Solid	% Moisture	e: 15.7		Date San Date Rec	npled: 09/09/2015 0928 ceived: 09/09/2015 1345
	8082A Polych	lorinated Bipheny	ls (PCBs) by Ga	as Chroma	tography	
Analysis Method: Prep Method: Dilution: Analysis Date: Prep Date:	8082A 3550C 1.0 09/10/2015 1611 09/10/2015 0819	Analysis Batch: Prep Batch:	480-262904 480-262781	Instru Initial Final V Injecti Resul	nent ID: Weight/Volume: Neight/Volume: on Volume: t Type:	HP6890-7 +2.43 g 10 mL 1 uL PRIMARY
Analvte	DryWt Corrected	: Y Result (n	ng/Kg) Qu	ualifier	MDL	RL
PCB-1016	manufacture is normalized a source of the standard starter of the starter part of the starter of the startero of the startero	ND	anne a canada a debarra a sun anna dere serenda a debarra de s	annes and the state of the second	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	Q	ualifier	Acceptar	nce Limits
Tetrachioro-m-xyle	ene	99	yayayan indusersi ya sa		60 - 154	
DCB Decachlorob	iphenyl	99			65 - 174	

#### 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 Sar	mpled: 09/10/2015 1145
Client Matrix:	Solid	% Moistur	e: 20.0	Date Re	ceived: 09/10/2015 1428
	8082A Polyc	hlorinated Bipheny	is (PCBs) by Gas	s 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 uL
Prep Date:	09/11/2015 0915			Result Type:	PRIMARY
Analvte	DryWt Correcte	ed: Y Result (r	ng/Kg) Qua	alifier MDL	RL
PCB-1016		ND	namen av here det <b>blir i</b> en sammen før her av de bestyre atternærend	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	Qua	alifier Accepta	nce Limits
Tetrachioro-m-xvl	ene	100		60 - 154	
DCB Decachlorob	piphenyl	98		65 - 174	

#### Client: AECOM Technical Services Inc.

Job Number: 480-87000-2

Client Sample ID:	CS-49 (SIDEWALL 1.	0')				
Lab Sample ID: Client Matrix:	480-87000-7 Solid	% Moisture	e: 27.5		Date San Date Rec	npled: 09/10/2015 1150 eived: 09/10/2015 1428
	8082A Polyci	hlorinated Bipheny	ls (PCBs) by	Gas Chron	natography	
Analysis Method: Prep Method: Dilution: Analysis Date: Prep Date:	8082A 3550C 1.0 09/11/2015 1326 09/11/2015 0915	Analysis Batch: Prep Batch:	480-263040 480-263058	Inst Initia Fina Inje Res	rument ID: al Weight/Volume: al Weight/Volume: ction Volume: sult Type:	HP6890-7 2.02 g 10 mL 1 uL PRIMARY
Analyte	DryWt Correcte	d: Y Result (n	ng/Kg)	Qualifier	MDL	RL
PCB-1016 PCB-1221 PCB-1232 PCB-1242 PCB-1248 PCB-1254 PCB-1254 PCB-1260		ND ND ND ND ND ND			0.067 0.067 0.067 0.067 0.067 0.16 0.16	0.34 0.34 0.34 0.34 0.34 0.34 0.34
Surrogate		%Rec	22	Qualifier	Acceptar	nce Limits
Tetrachloro-m-xyle DCB Decachlorob	ene iphenyl	98 96	y, updalo (podawane) 2019 kielo (1947) 🎬 k Planaministi kielo (1949)		60 - 154 65 - 174	

#### Client: AECOM Technical Services Inc.

#### Job Number: 480-87000-2

Client Sample ID: Lab Sample ID: Client Matrix:	CS-50 (BOTTOM 1.0 480-87000-5 Solid	') % Moisture	e: 26.7		Date Sampled Date Received	: 09/10/2015 1140 d: 09/10/2015 1428
	8082A Polyc	hlorinated Bipheny	s (PCBs) by Ga	s Chromatogra	phy	
Analysis Method: Prep Method: Dilution: Analysis Date: Prep Date:	8082A 3550C 1.0 09/11/2015 1255 09/11/2015 0915	Analysis Batch: Prep Batch:	480-263040 480-263058	Instrument I Initial Weigh Final Weigh Injection Vol Result Type	D: HPi t/Volume: 2.13 t/Volume: 10 lume: 1 : PR	3890-7 3 g mL uL IMARY
Analvte	DryWt Correcte	ed: Y Result (m	ng/Kg) Qua	alifier ME	DL	RL
PCB-1016		ND		0.0	63	0.32
PCB-1221		ND		0.0	63	0.32
PCB-1232		ND		0.0	63	0.32
PCB-1242		ND		0.0	63	0.32
PCB-1248		ND		0.0	63	0.32
PCB-1254		ND		0.1	5	0.32
PCB-1260		ND		0.1	5	0.32
Surrogate		%Rec	Qu	alifier	Acceptance L	imits
Tetrachloro-m-xyle	ene iphenyl	96 89	and descended of the second		60 - 154 65 - 174	

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 San	npled: 09/10/2015 1135
Client Matrix:	Solid	% Moisture	e: 20.9		Date Rec	eived: 09/10/2015 1428
	8082A Polyc	hlorinated Bipheny	s (PCBs) by G	as Chi	romatography	
Analysis Method:	8082A	Analysis Batch:	480-263040	Ir	nstrument ID:	HP6890-7
Prep Method:	3550C	Prep Batch:	480-263058	Ir	nitial Weight/Volume:	2.47 g
Dilution:	1.0			F	inal Weight/Volume:	10 mL
Analysis Date:	09/11/2015 1605			Ir	njection Volume:	1 uL
Prep Date:	09/11/2015 0915			F	Result Type:	PRIMARY
Analyte	DryWt Correcte	d: Y Result (m	ng/Kg) Q	ualifier	MDL	RL
PCB-1016		ND	ng n	100	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	کلو	NJ	0.050	0.26
PCB-1254		0.16	J		0.12	0.26
PCB-1260		ND			0.12	0.26
Surrogate		%Rec	C	lualifier	Acceptar	nce Limits
Tetrachloro-m-xyle	ene	103			60 - 154	na katala penderakan kanan kanan kanan pendagan kanan ka
DCB Decachlorob	iphenyl	103			65 - 174	

9/14/15 N

#### Client: AECOM Technical Services Inc.

Client Sample ID:	CS-52 (BOTTOM 5.0)	)				
Lab Sample ID: Client Matrix:	480-87764-1 Solid	% Moisture	e: 16.5		Date San Date Rec	npled: 09/18/2015 1720 ceived: 09/23/2015 1440
	8082A Polyc	hlorinated Bipheny	ls (PCBs) by (	Gas Chr	omatography	
Analysis Method: Prep Method: Dilution: Analysis Date: Prep Date:	8082A 3550C 1.0 09/24/2015 1454 09/24/2015 0755	Analysis Batch: Prep Batch:	480-265299 480-265234	in In Fi R	istrument ID: itial Weight/Volume: inal Weight/Volume: ijection Volume: esult Type:	HP6890-7 +2.64 g 10 mL 1 uL PRIMARY
Analyte	DryWt Correcte	d: Y Result (m	ng/Kg) (	Qualifier	MDL	RL
PCB-1016 PCB-1221 PCB-1232 PCB-1242		ND ND ND ND			0.044 0.044 0.044 0.044	0.23 0.23 0.23 0.23
PCB-1248 PCB-1254 PCB-1260		ND ND 0.13	ſ	ļ	0.044 0.11 0.11	0.23 0.23 0.23
Surrogate Tetrachloro-m-xyle DCB Decachlorobi	ne phenyl	%Rec 99 100	C	Qualifier	Acceptan 60 - 154 65 - 174	ice Limits

Client: AECOM Technical Services Inc.

Client Sample ID:	CS-53 (BOTTOM 5.0)	)				
Lab Sample ID:	480-87764-2	<b>64 84</b> 5 5	40.0		Date San	npled: 09/18/2015 1730
Client Matrix:	Solid	% Moisture	e: 13.2		Date Rec	ceived: 09/23/2015 1440
	8082A Polyc	hlorinated Bipheny	ls (PCBs) by (	Gas Chron	natography	
Analysis Method:	8082A	Analysis Batch:	480-265299	Instr	ument ID:	HP6890-7
Prep Method:	3550C	Prep Batch:	480-265234	Initia	al Weight/Volume:	+2.30 g
Dilution:	1.0			Fina	l Weight/Volume:	10 mL
Analysis Date:	09/24/2015 1510			Injec	tion Volume:	1 uL
Prep Date:	09/24/2015 0755			Res	ult Type:	PRIMARY
Analyte	DryWt Correcte	d: Y Result (m	ng/Kg) (	Qualifier	MDL	RL
PCB-1016	and the second sec	ND	aan e adoraan mare geer mag yn syn herde deren y o ok	dage of any point of a databased particular state	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	Acceptar	nce Limits
Tetrachloro-m-xyle		99		admanana ili katista ratis kadata jaka	60 - 154	ning day ala da
DCB Decachlorob	iphenyl	102			65 - 174	

Client: AECOM Technical Services Inc.

Client Sample (D:	CS-54 (BOTTOM 5.5)	)				
Lab Sample ID: Client Matrix:	480-87764-3 Solid	% Moisture	e: 13.7		Date San Date Rec	npled: 09/18/2015 1758 ceived: 09/23/2015 1440
	8082A Polyc	hlorinated Bipheny	ls (PCBs) by G	as Chroma	atography	
Analysis Method: Prep Method: Dilution: Analysis Date: Prep Date:	8082A 3550C 1.0 09/24/2015 1526 09/24/2015 0755	Analysis Batch: Prep Batch:	480-265299 480-265234	Instru Initial Final Inject Resu	iment ID: Weight/Volume: Weight/Volume: tion Volume: It Type:	HP6890-7 +2.34 g 10 mL 1 uL PRIMARY
Analyte	DryWt Correcte	d: Y Result (n	ng/Kg) Qi	ualifier	MDL	RL
PCB-1016	alla ga	ND	fe we fing a ware only of a new sensy solar balance and are confirmed without the sense of	na harandaran tanan da tanàn dia kaominina dia kaominina dia kaominina dia kaominina dia kaominina dia kaominin	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	Q	ualifier	Acceptar	nce Limits
Tetrachloro-m-xyle	ene	93	ariumpy, any marine, any	- to be a set of the second second - The Assessment of the	60 - 154	ал арадалдага жанада 5-а арараран жанарар жанарар затан жана катана курар катроблания ката ката 3-бактети.
DCB Decachlorob	iphenyl	94			65 - 174	

#### Client: AECOM Technical Services Inc.

Client Sample ID: CS-55 (B	OTTOM 5.5)
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Lab Sample ID: Client Matrix:	480-87764-4 Solid	% Moistur	e: 15.0	Ĩ	Date Sampled: 09/23/2015 1147 Date Received: 09/23/2015 1440
	8082A Pol	ychlorinated Bipheny	vis (PCBs) by Ga	s Chromatograph	ıy
Analysis Method: Prep Method: Dilution: Analysis Date: Prep Date:	8082A 3550C 1.0 09/24/2015 1542 09/24/2015 0755	Analysis Batch: Prep Batch:	480-265299 480-265234	Instrument ID: Initial Weight/\ Final Weight/\ Injection Volur Result Type:	HP6890-7 Volume: +2.71 g Volume: 10 mL ne: 1 uL PRIMARY
Analyte	DryWt Correc	ted: Y Result (r	ng/Kg) Qua	alifier MDL	RL
PCB-1016	A second and the real field in the relation of a second seco	ND	nel 6. 9 Paris deservation for the data disposed where a system	0.042	2 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	Qua	alifier /	Acceptance Limits
Tetrachloro-m-xyle DCB Decachlorob	ene iphenyl	98 100	na 1992 june 200 mener ann ann ann ann an ann an ann ann an an	e e	60 - 154 65 - 174

#### Client: AECOM Technical Services Inc.

Client Sample ID:	CS-56 (BOTTOM 1.0)
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Lab Sample ID: Client Matrix:	480-87764- Solid	5	% Moisture	e: 19.8			Date San Date Red	npled: 09/23/2015 1042 ceived: 09/23/2015 1440
····	808	2A Polychlorii	nated Bipheny	ls (PCBs) by	Gas C	hromatogr	aphy	
Analysis Method: Prep Method: Dilution: Analysis Date: Prep Date:	8082A 3550C 1.0 09/24/2015 15 09/24/2015 07	58 55	nalysis Batch: rep Batch:	480-265299 480-265234	9 1	Instrument Initial Weig Final Weig Injection V Result Typ	: ID: ht/Volume: ht/Volume: olume: e:	HP6890-7 +2.23 g 10 mL 1 uL PRIMARY
Analyte	DryW	t Corrected: Y	Result (m	ng/Kg)	Qualifi	er N	IDL	RL
PCB-1016 PCB-1221 PCB-1232 PCB-1242 PCB-1248 PCB-1254 PCB-1260			ND ND ND ND ND ND	- Ti a a a Ti a a a a a a a a a a a a a a		0 0 0 0 0 0 0	055 055 055 055 055 13 13	0.28 0.28 0.28 0.28 0.28 0.28 0.28 0.28
Surrogate			%Rec		Qualifi	er	Acceptan	ice Limits
Tetrachloro-m-xyle DCB Decachlorob	ene iphenyl		100 102	ek binnsluf die priv werk das $\sqrt{2} e^{\frac{2\pi}{3}}$ is unsamed ange was ang	n, nj. nj. na seletera opgemen anenja pjeso		60 - 154 65 - 174	we among the state $k$ of the state of the state of the $\widehat{W}$ -free states of the state of the states of the sta

#### Client: AECOM Technical Services Inc.

Client Sample ID:	CS-57 (BOTTOM 1.0)					
Lab Sample ID: Client Matrix:	480-87764-6 Solid	% Moisture	e: 20.5		Date S Date R	ampled: 09/23/2015 1046 eceived: 09/23/2015 1440
	8082A Polych	lorinated Bipheny	ls (PCBs) by	Gas Ch	romatography	
Analysis Method: Prep Method: Dilution: Analysis Date: Prep Date:	8082A 3550C 1.0 09/24/2015 1303 09/24/2015 0755	Analysis Batch: Prep Batch:	480-265299 480-265234		Instrument ID: Initial Weight/Volume Final Weight/Volume Injection Volume: Result Type:	HP6890-7 e: +2.15 g b: 10 mL 1 uL PRIMARY
Analyte	DryWt Corrected	: Y Result (m	ng/Kg)	Qualifie	r MDL	RL
PCB-1016	and week and an and an and an	ND		a an parameteria e anaranaño	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		Qualifie	r Accept	ance Limits
Tetrachloro-m-xyle	ene	94			60 - 15	4
DCB Decachlorob	phenyl	93			65 - 17	4

### Client: AECOM Technical Services Inc.

Client Sample ID:	CS-58 (BOTTOM 1.0	)				
Lab Sample ID: Client Matrix:	480-87764-7 Solid	% Moisture	e: 15.7		Date Sar Date Rec	npled: 09/23/2015 1050 ceived: 09/23/2015 1440
	8082A Polyc	hlorinated Bipheny	ls (PCBs) by Ga	as Chrom	atography	
Analysis Method: Prep Method: Dilution: Analysis Date: Prep Date:	8082A 3550C 1.0 09/24/2015 1614 09/24/2015 0755	Analysis Batch: Prep Batch:	480-265299 480-265234	Instru Initia Final Injec Resu	ument ID: I Weight/Vołume: Weight/Volume: tion Volume: ıłt Type:	HP6890-7 +2.67 g 10 mL 1 uL PRIMARY
Analyte	DryWt Correcte	d: Y Result (m	ng/Kg) Qu	alifier	MDL	RL
PCB-1016	na a mhaile an dha a bach d an 👔 🙀 na a cruadh ann 👞 cacha thra ach a a cacha daonna a	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	Qu	alifier	Acceptan	ice Limits
Tetrachloro-m-xyle		96	We note that the function of the other sectors $\mathbf{r} = \frac{1}{2}$ if $\mathbf{r}_{ij}$ is the state of the state parameters $\mathbf{r}_{ij}$		60 - 154	$= \prod_{i=1}^{n} \sum_{j=1}^{n} (a_i + b_i) + a_i + a_i + b_i + a_i + b_i + a_i + $
DCB Decachlorobi	phenyl	97			65 - 174	

#### Client: AECOM Technical Services Inc.

Client Sample ID:	CS-59 (BOTTOM 1.0)						
Lab Sample ID: Client Matrix:	480-87764-8 Solid	% Moisture	e: 16.0			Date San Date Rec	npled: 09/23/2015 1054 ceived: 09/23/2015 1440
	8082A Polychi	orinated Bipheny	ls (PCBs) by	Gas C	hromatogra	phy	
Analysis Method: Prep Method: Dilution: Analysis Date: Prep Date:	8082A 3550C 1.0 09/24/2015 1319 09/24/2015 0755	Analysis Batch: Prep Batch:	480-265299 480-265234	9 4	Instrument Initial Weig Final Weigh Injection Vo Result Type	ID: ht/Volume: ht/Volume: blume: e:	HP6890-7 +2.33 g 10 mL 1 uL PRIMARY
Analyte	DryWt Corrected:	Y Result (m	na/Ka)	Qualifie	er Mi	DL	RL
PCB-1016 PCB-1221 PCB-1232 PCB-1242 PCB-1248 PCB-1254 PCB-1260		ND ND 4.4 ND ND 3.4			0. 0. 0. 0. 0. 0. 0.	050 050 050 050 050 050 12 12	0.26 0.26 0.26 0.26 0.26 0.26 0.26
Surrogate Tetrachloro-m-xyle DCB Decachlorobi	ne phenyl	%Rec 100 103		Qualifie	er	Acceptan 60 - 154 65 - 174	ice Limits

Client: AECOM Technical Services Inc.

Client Sample ID:	CS-59A (BOTTOM 1	.5)				
Lab Sample ID: Client Matrix:	480-88151-1 Solid	% Moisture	e: 17.6		Date Sampled: 09/30/2015 142 Date Received: 09/30/2015 180	
	8082A Polyc	hlorinated Bipheny	is (PCBs) by	Gas Chro	omatography	
Analysis Method: Prep Method: Dilution: Analysis Date: Prep Date:	8082A 3550C 1.0 10/01/2015 1443 10/01/2015 0831	Analysis Batch: Prep Batch:	480-266443 480-266401	Ins Init Fir Inj Re	strument ID: tial Weight/Volume: nal Weight/Volume: ection Volume: esult Type:	HP5890-12 +2.19 g 10 mL 1 uL PRIMARY
Analyte	DryWt Correcte	ed: Y Result (m	ng/Kg)	Qualifier	MDL	RL
PCB-1016	alanaa ja aanii ka aa ahaa ahaa ahaa ahaa ahaa ahaa a	ND	n aya () - a menya di memoria a ananan ara a sara barrama.		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	Acceptan	ce Limits
Tetrachloro-m-xyle	ne	100			60 - 154	alaberite e de Carete e Chen Carete and a sumpress questions a surprise question of a
DCB Decachlorobi	ipheny <b>i</b>	94			65 - 174	

#### Client: AECOM Technical Services Inc.

Client Sample ID:	CS-62 (BOTTOM 1.0)					
Lab Sample ID: Client Matrix:	480-87764-9 Solid	% Moisture	e: 12.5		Date San Date Rec	npled: 09/23/2015 1115 ceived: 09/23/2015 1440
	8082A Polych	orinated Bipheny	is (PCBs) by	Gas Chr	omatography	
Analysis Method: Prep Method: Dilution: Analysis Date: Prep Date:	8082A 3550C 10 09/24/2015 1335 09/24/2015 0755	Analysis Batch: Prep Batch:	480-265299 480-265234	ir ir F ir	nstrument ID: nitial Weight/Volume: inal Weight/Volume: njection Volume: Result Type:	HP6890-7 +2.81 g 10 mL 1 uL PRIMARY
Analvte	DryWt Corrected	Y Result (n	ng/Kg)	Qualifier	MDL	RL
PCB-1016 PCB-1221 PCB-1232 PCB-1242 PCB-1248 PCB-1254 PCB-1254 PCB-1260	n finn na na maintean an a	ND ND ND 2.4 ND 13	5	F	0.40 0.40 0.40 0.40 0.40 0.95 0.95	2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0
Surrogate		%Rec		Qualifier	Acceptar	nce Limits
Tetrachloro-m-xyle	ene iphenyl	104 112		parameter - erespaissield. Hit dashahindi	60 - 154 65 - 174	en antenne i senar se financiale segura. E con el toto p e el gor de a conte nel con

1/24/15

Client: AECOM Technical Services Inc.

Client Sample ID:	CS-62A (BOTTOM 1	.5)					
Lab Sample ID:	480-88151-4 Solid	% Moistur	e <sup>.</sup> 18.6		Date Sampled: 09/30/2015 14		
	3010	70 1013(0)	e. 10.0		Bale Het		
	8082A Polye	chlorinated Bipheny	ls (PCBs) by (	Gas Chrom	atography		
Analysis Method:	8082A	Analysis Batch:	480-266443	Instr	ument ID:	HP5890-12	
Prep Method:	3550C	Prep Batch:	480-266401	Initia	I Weight/Volume:	+2.72 g	
Dilution:	1.0	-		Final	Weight/Volume:	10 mL	
Analysis Date:	10/01/2015 1458			Injec	tion Volume:	1 uL	
Prep Date:	10/01/2015 0831			Resi	ult Type:	PRIMARY	
Analyte	DryWt Correcte	ed: Y Result (r	ng/Kg) C	Qualifier	MDL	RL	
PCB-1016	-th and a stable fragment of the second	ND	ang maga at a good and a same a surface source of the set	yan yang naganan san yan yan bindin ini ini ini ini ini ini ini ini in	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	C	Qualifier	Acceptar	nce Limits	
Tetrachloro-m-xvl	ene	98		and a constrained of the distance of the spin of the	60 - 154		
DCB Decachlorob	iphenyl	95			65 - 174		

Client: AECOM Technical Services Inc.

Job Number: 480-87764-2

Client Sample ID:	CS-65 (BOTTOM 1.0)				
Lab Sample ID: Client Matrix:	480-87764-10 Solid	% Moisture	e: 10.6	C C	Pate Sampled: 09/23/2015 1130 Date Received: 09/23/2015 1440
	8082A Polych	lorinated Bipheny	s (PCBs) by Ga	as Chromatograph	y
Analysis Method: Prep Method: Dilution: Analysis Date: Prep Date:	8082A 3550C 20 09/24/2015 1351 09/24/2015 0755	Analysis Batch: Prep Batch:	480-265299 480-265234	Instrument ID: Initial Weight/V Final Weight/V Injection Volun Result Type:	HP6890-7 /olume: +2.16 g olume: 10 mL ne: 1 uL PRIMARY
Analyte	DryWt Corrected	Y Result (m	ıg/Kg) Qı	alifier MDL	RL
PCB-1016 PCB-1221 PCB-1232 PCB-1242 PCB-1248 PCB-1254 PCB-1250		ND ND 1.5 ND ND 55	в. Ј	1.0 1.0 1.0 1.0 1.0 2.4 2.4	5.2 5.2 5.2 5.2 5.2 5.2 5.2 5.2 5.2
Surrogate Tetrachloro-m-xyle DCB Decachlorob	ne phenyl	%Rec 115 144	Qı	ualifier A 6 6	Acceptance Limits 10 - 154 15 - 174

1/24/15

Client: AECOM Technical Services Inc.

Client Sample ID:	CS-65A (BOTTOM 1.5	)				
Lab Sample ID: Client Matrix:	480-87954-2 Solid	% Moisture	e: 16.1		Date Sar Date Rec	npled: 09/25/2015 1255 ceived: 09/25/2015 1348
	8082A Polych	lorinated Bipheny	ls (PCBs) by Ga	s Chromate	ography	
Analysis Method: Prep Method: Dilution: Analysis Date: Prep Date:	8082A 3550C 1.0 09/28/2015 2033 09/28/2015 1143	Analysis Batch: Prep Batch:	480-265881 480-265832	Instrum Initial W Final W Injectio Result	ent ID: /eight/Volume: /eight/Volume: n Volume: Type:	HP6890-7 +2.13 g 10 mL 1 uL PRIMARY
Analyte	DryWt Corrected	: Y Result (n	ng/Kg) Qu	alifier	MDL	RL
PCB-1016	a tay for a stay proper, ph. safyak.es. H 44.	ND	1		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	Qu	alifier	Acceptar	nce Limits
Tetrachloro-m-xyle	ene	100			60 - 154	
DCB Decachlorob	iphenyl	94			65 - 174	

#### Client: AECOM Technical Services Inc.

Client Sample ID: 0	CS-66 (SIDEWALL 1.0)
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Lab Sample ID:	480-87764-11				Date San	npled: 09/23/2015 1135
Client Matrix:	Solid	% Moist	ture: 15.0	Date Received: 09/23/2015 14		ceived: 09/23/2015 1440
	8082A P	olychlorinated Biphe	nyls (PCBs) by	Gas Chro	omatography	
Analysis Method:	8082A	Analysis Batc	h: 480-265299	9 In	strument ID:	HP6890-7
Prep Method:	3550C	Prep Batch:	480-265234	4 In	itial Weight/Volume:	+2.50 g
Dilution:	1.0			Fi	nal Weight/Volume:	10 mL
Analysis Date:	09/24/2015 1630			In	jection Volume:	1 uL
Prep Date:	09/24/2015 0755			R	esult Type:	PRIMARY
Analyte	DryWt Corr	ected: Y Result	: (mg/Kg)	Qualifier	MDL	RL
PCB-1016		ND		and a state of the second s	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	Acceptan	ice Limits
Tetrachloro-m-xyle	ene	99	free for anotherspheric former and a part of the former and the second second second second second second second	annon's accounting accepting of the	60 - 154	
DCB Decachlorob	iphenyl	101			65 - 174	

#### Client: AECOM Technical Services Inc.

Client Sample ID:	CS-68 (BOTTOM 1.0)
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Lab Sample ID: Client Matrix:	480-87854-1 Solid	% Moistu	re: 14.7		Date Sar Date Rec	npled: 09/24/2015 1303 ceived: 09/24/2015 1525
	8082A Poly	chlorinated Bipheny	yls (PCBs) by G	as Chromat	ography	
Analysis Method: Prep Method: Dilution: Analysis Date: Prep Date:	8082A 3550C 2.0 09/25/2015 1718 09/25/2015 0841	Analysis Batch: Prep Batch:	480-265589 480-265490	Instrum Initial V Final W Injectio Result	ent ID: Veight/Volume: /eight/Volume: n Volume: Type:	HP6890-7 +2.33 g 10 mL 1 uL PRIMARY
Analyte	DryWt Correct	ed: Y Result (	mg/Kg) Qu	ualifier	MDL	RL
PCB-1016		ND	n (), haadmaanta in toon aligin diittahaattiin in araanta'aad kadhatahaang ankangaraangab	nderafras aradaritistan 5.5 millionaria andari	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	Qu	ualifier	Acceptar	ice Limits
Tetrachloro-m-xyle		100	Filmeniet-odenne i tek enerdenne tilden med anden med anden en j		60 - 154	anting the control of the second control of the second second second second second second second second second
DCB Decachlorob	iphenyl	104			65 - 174	

#### Client: AECOM Technical Services Inc.

Job Number: 480-87854-1

Date Sampled: 09/24/2015 1305 Date Received: 09/24/2015 1525

Client Sample ID:	CS-69 (SIDEWALL 1.5)		
Lab Sample ID: Client Matrix:	480-87854-2 Solid	% Moisture	15 9
		70 101010ture.	10.0

### 8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Anal	lysis Batch:	480-265589	) Ir	strument ID:	
1734 0841	Batch:	480-265490	) Ir F Ir R	nitial Weight/Volume: inal Weight/Volume: njection Volume: lesult Type:	+2.31 g 10 mL 1 uL PRIMARY
Wt Corrected: Y	Result (m	g/Kg)	Qualifier	MDL	RL
The contract of the second sec	ND	and the second second second second second	<ol> <li>A modeling or - St transmission is provided.</li> </ol>	0.050	0.26
	ND			0.050	0.26
	ND			0.050	0.26
	ND			0.050	0.26
	ND			0.050	0.26
	ND			0.12	0.26
	ND			0.12	0.26
	%Rec		Qualifier	Acceptan	ce Limits
👷 napartan 🏨 jupi nang tahunganan nan darin 🖬 (ara) antag menahasa	98	ali fallon ta namenana na manan	a elemente da castellar en al later	60 - 154	an Balan franziszere w Anne szi erdeny man a menemetere erdemenete ana 🗰
	101			65 - 174	
	Prep 1734 0841 Wt Corrected: Y	Prep Batch: 1734 0841 Wt Corrected: Y Result (m ND ND ND ND ND ND ND ND ND ND ND ND ND	Prep Batch: 480-265490 1734 0841 Wt Corrected: Y Result (mg/Kg) ND ND ND ND ND ND ND ND ND ND	Prep Batch: 480-265490 Ir F 1734 Ir 0841 R Wt Corrected: Y Result (mg/Kg) Qualifier ND ND ND ND ND ND ND ND ND ND ND ND ND	Prep Batch:480-265490Initial Weight/Volume: Final Weight/Volume:1734Injection Volume: Injection Volume:0841Result Type:Wt Corrected: YResult (mg/Kg)QualifierND0.050 ND0.050 0.050 NDND0.050 0.050 ND0.050 0.050 0.050 NDND0.050 0.050 NDND0.050 0.050 NDND0.12 0.12%RecQualifierAcceptan 60 - 154 101

#### Client: AECOM Technical Services Inc.

Job Number: 480-87854-1

Client Sample ID: CS-70 (SIDEWALL 1.5)	) (SIDEWALL 1.5)	CS-70	Sample ID:	Client
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Lab Sample ID: Client Matrix:	480-87854-3 Solid	% Moisture	e: 14.1		Date Sampled: 09/24/2015 13 Date Received: 09/24/2015 15	00 25
	8082A Poly	chlorinated Bipheny	ls (PCBs) by Gas	s Chromatograp	ny	_
Analysis Method: Prep Method: Dilution: Analysis Date: Prep Date:	8082A 3550C 400 09/25/2015 1750 09/25/2015 0841	Analysis Batch: Prep Batch:	480-265589 480-265490	Instrument ID Initial Weight/ Final Weight/ Injection Volu Result Type:	: HP6890-7 Volume: +2.30 g Volume: 10 mL me: 1 uL PRIMARY	
Analyte	DryWt Correct	ed: Y Result (n	ng/Kg) Qua	alifier MDL	RL	
PCB-1016	antana ana di menanta ana di sena se seria di seria di periodi periodi da manda ana ana bara da ana	ND		20	100	- 3-1 -1
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	Qua	alifier	Acceptance Limits	
Tetrachloro-m-xyle	ene	124	iliajiteureteiselle etemetet et elevatet allementationaremma amo a alm	eferminening om annenderstedelte och er er sekator och frägdar (b. 2. fr	60 - 154	
DCB Decachlorob	iphenyl	210	Х		65 - 174	

#### Client: AECOM Technical Services Inc.

Client Sample ID:	CS-71 (SIDEWALL 1	.5)				
Lab Sample ID:	480-87854-4		44.0		Date San	npled: 09/24/2015 1255
Client Matrix:	Solid	% Moisture	3: 14.2			elved: 09/24/2015 1525
	8082A Polyc	hlorinated Bipheny	is (PCBs) by (	Gas Chro	matography	
Analysis Method:	8082A	Analysis Batch:	480-265589	Inst	trument ID:	HP6890-7
Prep Method:	3550C	Prep Batch:	480-265490	Init	ial Weight/Volume:	+2.83 g
Dilution:	2.0			Fin	al Weight/Volume:	10 mL
Analysis Date:	09/25/2015 1806			Inje	ection Volume:	1 uL
Prep Date:	09/25/2015 0841			Re	sult Type:	PRIMARY
Analyte	DryWt Correcte	d: Y Result (m	ıg/Kg) (	Qualifier	MDL	RL
PCB-1016	alamanna 🛔 annan dalamannan na an naking sa karan 🖕 ing pola a komana ana dalam na karana da Ing ing pola karana k Ing ing pola karana k	ND	a na serie de la constante de la c	towned and 18 percent 2018 (Dates)	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	Acceptan	ice Limits
Tetrachloro-m-xyle		91	PPINDER and the damage of any sur-framework of a sur-		60 - 154	en nemma nationiziendia na nitrado A o deventa dur s 🖲 2 e veltete. Streta della de netrores relations, settete
DCB Decachlorobi	iphenyl	88			65 - 174	

#### Client: AECOM Technical Services Inc.

Client Sample ID:	CS-72 (SIDEWALL 1	.5)				
Lab Sample ID: Client Matrix:	480-87854-5 Solid	% Moistur	re: 11.3		Date San Date Rec	npled: 09/24/2015 1247 ceived: 09/24/2015 1525
	8082A Polyc	hlorinated Bipheny	/Is (PCBs) by (	Gas Chron	natography	
Analysis Method: Prep Method: Dilution: Analysis Date: Prep Date:	8082A 3550C 1.0 09/25/2015 1822 09/25/2015 0841	Analysis Batch: Prep Batch:	480-265589 480-265490	Instr Initia Fina Injeo Res	ument ID: al Weight/Volume: I Weight/Volume: ction Volume: ult Type:	HP6890-7 +2.73 g 10 mL 1 uL PRIMARY
Analyte	DryWt Correcte	ed: Y Result (i	mg/Kg) (	Qualifier	MDL.	RL
PCB-1016 PCB-1221		ND ND	na na manga gi na mar kanangan kana kanang kanang kanan kanang	ana unu y ar to name 🖗 da trans to robust satu	0.040 0.040	0.21 0.21
PCB-1232 PCB-1242		ND ND			0.040 0.040	0.21 0.21
PCB-1248 PCB-1254		ND ND			0.040 0.097	0.21 0.21
PCB-1260		1.5			0.097	0.21
Surrogate		%Rec	C	Qualifier	Acceptar	nce Limits
Tetrachloro-m-xyle DCB Decachlorob	ene iphenyl	97 100	n gyggigadad it na annapadagar silarril sin alnalar saor, sailarn farailte shifti	yydd a galan well an o befor y writeranw	60 - 154 65 - 174	

#### Client: AECOM Technical Services Inc.

Client Sample ID:	CS-73 (SIDEWALL (	).5)					
Lab Sample ID: Client Matrix:	480-87854-6 Solid	% Moistur	e: 20.4		Date San Date Rec	npled: 09/24/2015 13 weived: 09/24/2015 152	10 25
	8082A Poly	chlorinated Bipheny	is (PCBs) by	Gas Chro	matography		_
Analysis Method: Prep Method: Dilution: Analysis Date: Prep Date:	8082A 3550C 1.0 09/25/2015 1838 09/25/2015 0841	Analysis Batch: Prep Batch:	480-265589 480-265490	i Ins Init Fir Inju Re	strument ID: tial Weight/Volume: nal Weight/Volume: ection Volume: esult Type:	HP6890-7 +2.23 g 10 mL 1 uL PRIMARY	
Analvte	DryWt Correct	ed: Y Result (r	ng/Kg)	Qualifier	MDL	RL	
PCB-1016	a na sense a ser a s	ND	angan di saka angan gingi kanyan ang di kanya na sa sa sa sa kanya na mangan n	$\alpha = 0.0110$ for the state $\lambda = 0$ , over $\Phi$ and address of the	0.055	0.28	1.0.000
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	Acceptar	nce Limits	
Tetrachloro-m-xvle	ene	95	ana, arka, mastak teranagkat dinimusih dinimusih dinim dinameterkat		60 - 154		
DCB Decachlorobiphenvl		96			65 - 174		

Client: AECOM Technical Services Inc.

Client Sample ID:	CS-74 (SIDEWALL 0.	5)				
Lab Sample ID: Client Matrix:	480-87854-7 Solid	% Moisture	e: 15.3	[	Date Sampled: 09/24/20 Date Received: 09/24/20	)15 1314 )15 1525
	8082A Polyc	hlorinated Bipheny	ls (PCBs) by Gas	Chromatograph	у	
Analysis Method: Prep Method: Dilution: Analysis Date: Prep Date:	8082A 3550C 1.0 09/25/2015 1925 09/25/2015 0841	Analysis Batch: Prep Batch:	480-265589 480-265490	Instrument ID: Initial Weight/\ Final Weight/\ Injection Volur Result Type:	HP6890-7 /olume: +2.04 g /olume: 10 mL ne: 1 uL PRIMARY	i.
Analvte	DryWt Correcte	d: Y Result (n	ng/Kg) Qua	lifier MDL	RL	
PCB-1016	a of the grant contrast of a final state of the final state of the state of the state of the state of the state	ND	an a	0.057	0.29	and the second second second second
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	Qua	lifier /	Acceptance Limits	
Tetrachloro-m-xyle		100 <b>10</b>	A real or and the descent production of the descent of the real of the descent		60 - 154	and the second
DCB Decachlorob	iphenyl	105		(	65 - 174	

#### Client: AECOM Technical Services Inc.

Client Sample ID:	CS-75 (BOTTOM 1.0)					
Lab Sample ID:	480-87854-8		<b>66</b> 4		Date San	npled: 09/24/2015 1317
Client Matrix:	Solid	% Moisture	20.1		Date Rec	elved: 09/24/2015 1525
	8082A Polycł	nlorinated Bipheny	is (PCBs) by G	as Chromat	ography	
Analysis Method:	8082A	Analysis Batch:	480-265589	Instrum	nent ID:	HP6890-7
Prep Method:	3550C	Prep Batch:	480-265490	Initial V	Veight/Volume:	+2.85 g
Dilution:	1.0			Final V	Veight/Volume:	10 mL
Analysis Date:	09/25/2015 1941			Injectic	n Volume:	1 uL
Prep Date:	09/25/2015 0841			Result	Туре:	PRIMARY
Analyte	DryWt Corrected	t: Y Result (m	ng/Kg) Qi	ualifier	MDL	RL
PCB-1016	annan Ramanan e ange gangalaria at kan karana Ramanimura Palaha antihilaria ter	ND		an anna a guar anna an rannan na d' d'anna chuire an de dh'	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	Q	ualifier	Acceptar	nce Limits
Tetrachloro-m-xvle		99	nappe, sp. montpeakers and consistent addition in photostatic distance of	an a	60 - 154	alamananan olegiri yaryang ay in ar maganlan vyoriyye doj alqorada ar myadari. Is frains fan
DCB Decachlorob	phenyl	103			65 - 174	

### Client: AECOM Technical Services Inc.

### Job Number: 480-88008-1

Client Sample ID:	CS-86 (SIDEWALL 5.0	0)				
Lab Sample ID: Client Matrix:	480-88008-8 Solid	% Moisture	e: 18.2		Date San Date Rec	npled: 09/28/2015 1550 æived: 09/28/2015 1900
	8082A Polych	nlorinated Bipheny	ls (PCBs) by	Gas Chroi	matography	
Analysis Method: Prep Method: Dilution: Analysis Date: Prep Date:	8082A 3550C 1.0 09/29/2015 1243 09/29/2015 0818	Analysis Batch: Prep Batch:	480-266016 480-265972	Inst Initi Fin Inje Res	trument ID: ial Weight/Volume: al Weight/Volume: ection Volume: sult Type:	HP6890-7 +2.34 g 10 mL 1 uL PRIMARY
Analyte	DrvWt Corrected	d: Y Result (n	ng/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	Acceptar	nce Limits
Tetrachloro-m-xyle	ene iphenyl	100 95			60 - 154 65 - 174	
Job Number: 480-88008-1

65 - 174

•		φ.					000 11		00000 1
Client Sample ID:	20150928-FD-1	25-86	(Sidema	ll 5.0')	)				
Lab Sample ID:	480-88008-12						Date Sar	npled: 09/28/2	015 0000
Client Matrix:	Solid		% Moisture	e: 17.1			Date Rec	eived: 09/28/2	015 1900
	8082A Poly	chlorinate	d Bipheny	ls (PCBs) b	y Gas C	hroma	tography		
Analysis Method:	8082A	Analy	sis Batch:	480-26601	6	Instru	ment ID:	HP6890-7	
Prep Method:	3550C	Prep	Batch:	480-26597	2	Initial	Weight/Volume:	+2.78 g	
Dilution:	1.0					Final V	Neight/Volume:	10 mL	
Analysis Date:	09/29/2015 1347					Injecti	on Volume:	1 uL	
Prep Date:	09/29/2015 0818					Resul	t Type:	PRIMARY	
Analyte	DryWt Correct	ed. Y	Result (m	ng/Kg)	Qualifi	er	MDL	RL	
PCB-1016			ND	<i>tt</i> .			0.042	0.22	1.1.1
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		Qualifi	er	Acceptan	ce Limits	
Tetrachloro-m-xyle	ene		100				60 - 154		

94

DCB Decachlorobiphenyl

#### Client: AECOM Technical Services Inc.

Job Number: 480-88008-1

Client Sample ID:	CS-87 (SIDEWALL 5	.0)			
Lab Sample ID: Client Matrix:	480-88008-9 Solid	% Moisture	e: 15.5	Date Date	e Sampled: 09/28/2015 1600 e Received: 09/28/2015 1900
	8082A Polyc	hlorinated Bipheny	ls (PCBs) by Ga	s Chromatography	
Analysis Method: Prep Method: Dilution: Analysis Date: Prep Date:	8082A 3550C 5.0 09/29/2015 1259 09/29/2015 0818	Analysis Batch: Prep Batch:	480-266016 480-265972	Instrument ID: Initial Weight/Volu Final Weight/Volu Injection Volume: Result Type:	HP6890-7 ume: +2.75 g me: 10 mL 1 uL PRIMARY
Anaiyte	DryWt Correcte	d: Y Result (m	ng/Kg) Qua	alifier MDL	RL
PCB-1016 PCB-1221 PCB-1232 PCB-1242 PCB-1248 PCB-1254 PCB-1260		0.51 ND ND ND ND 11	J	0.21 0.21 0.21 0.21 0.21 0.50 0.50	1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1
Surrogate Tetrachloro-m-xvle	ne	%Rec 92	Qua	alifier Acco 60 -	eptance Limits 154
DCB Decachlorobi	phenyl	117		65 -	174

#### Client: AECOM Technical Services Inc.

Job Number: 480-88008-1

Client Sample ID:	CS-88 (SIDEWALL 5	.5)			
Lab Sample ID: Client Matrix:	480-88008-10 Solid	% Moisture	e: 14.8	D D	ate Sampled: 09/28/2015 1605 ate Received: 09/28/2015 1900
	8082A Polyc	hlorinated Bipheny	ls (PCBs) by Ga	s Chromatography	1
Analysis Method: Prep Method: Dilution: Analysis Date: Prep Date:	8082A 3550C 1.0 09/29/2015 1315 09/29/2015 0818	Analysis Batch: Prep Batch:	480-266016 480-265972	Instrument ID: Initial Weight/V Final Weight/Ve Injection Volum Result Type:	HP6890-7 olume: +2.80 g olume: 10 mL e: 1 uL PRIMARY
Analyte PCB-1016 PCB-1221 PCB-1232 PCB-1242 PCB-1248 PCB-1254 PCB-1260	DryWt Correcte	d: Y Result (m ND ND ND ND ND ND ND ND	ng/Kg) Qu	alifier MDL 0.041 0.041 0.041 0.041 0.041 0.098 0.098	RL 0.21 0.21 0.21 0.21 0.21 0.21 0.21
Surrogate Tetrachloro-m-xyle DCB Decachlorob	ene iphenyl	%Rec 100 96	Qu	alifier A 60 61	cceptance Limits D - 154 5 - 174

#### Client: AECOM Technical Services Inc.

Job Number: 480-88008-1

### Client Sample ID: CS-89 (SIDEWALL 5.0)

π.

Lab Sample ID: Client Matrix:	480-88008-11 Solid	% Moisture	e: 14.7		Date San Date Rec	npled: 09/28/2015 1615 eived: 09/28/2015 1900
	8082A Poly	chlorinated Bipheny	ls (PCBs) by	Gas Chro	matography	
Analysis Method: Prep Method: Dilution: Analysis Date: Prep Date:	8082A 3550C 1.0 09/29/2015 1331 09/29/2015 0818	Analysis Batch: Prep Batch:	480-266016 480-265972	Ins Init Fin Inje Re	strument ID: tial Weight/Volume: nal Weight/Volume: ection Volume: ssult Type:	HP6890-7 +2.92 g 10 mL 1 uL PRIMARY
Analyte	DryWt Correct	ed: Y Result (m	ng/Kg) (	Qualifier	MDL	RL
PCB-1016	(1 + 4)(1 + + 4)) (4 +	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	C	Qualifier	Acceptan	ce Limits
Tetrachloro-m-xyle	ene	101			60 - 154	
DCB Decachlorob	iphenyl	97			65 - 174	

Client: AECOM Technical Services Inc.

Client Sample ID:	CS-91 (SIDEWALL 5	i.5)				
Lab Sample ID: Client Matrix:	480-88271-1 Solid	% Moisture	e: 14.0		Date San Date Rec	npled: 10/01/2015 1300 æived: 10/01/2015 1650
	8082A Polyc	hlorinated Bipheny	ls (PCBs) by G	as Chrom	atography	
Analysis Method: Prep Method: Dilution: Analysis Date: Prep Date:	8082A 3550C 1.0 10/02/2015 1101 10/01/2015 2213	Analysis Batch: Prep Batch:	480-266611 480-266559	Instru Initial Final Inject Resu	iment ID: Weight/Volume: Weight/Volume: ion Volume: It Type:	HP5890-12 +2.28 g 10 mL 1 uL PRIMARY
Analyte	DryWt Correcte	ed: Y Result (n	ng/Kg) Q	ualifier	MDL	RL
PCB-1016	and the standard stands and the stand standard standard of the standard s	ND	and a second	um ay a suma le a menden aspaneror ante	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	Q	ualifier	Acceptar	nce Limits
Tetrachloro-m-xyle	ene	105	ng mananananininin'nin'ny desarity'ny seriet a definitionale		60 - 154	alla fa fa a fa a a fa fa fa a fa fa fa fa
DCB Decachlorob	iphenyl	102			65 - 174	

#### Client: AECOM Technical Services Inc.

Client Sample ID:	CS-92 (SIDEWALL 1.5)

Lab Sample ID: Client Matrix:	480-88271-2 Solid	% Moisture	e: 15.3		Date San Date Rec	npled: 10/01/2015 1400 æived: 10/01/2015 1650
	8082A Poly	chlorinated Bipheny	ls (PCBs) by Ga	s Chroma	tography	
Analysis Method: Prep Method: Dilution: Analysis Date: Prep Date:	8082A 3550C 1.0 10/02/2015 1115 10/01/2015 2213	Analysis Batch: Prep Batch:	480-266611 480-266559	Instrur Initial Final N Injecti Result	nent ID: Weight/Volume: Neight/Volume: on Volume: : Type:	HP5890-12 +2.28 g 10 mL 1 uL PRIMARY
Analyte	DryWt Correct	ted: Y Result (n	ng/Kg) Qu	alifier	MDL	RL
PCB-1016	and an a standard of the bound and a second standard and a second standard and a second standard and a second s	ND	e ) ann an 2 ( <b>H</b> ann ( <b>H</b> ( <b>1</b> an anna <b>H</b> ann an	a de la asertidada de la antenidad de la decentra d	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	Qu	alifier	Acceptar	ce Limits
Tetrachloro-m-xyle	ene	104	naa an mar sanaanaa anan ma Kijimi ni Balanaan an s		60 - 154	neessaan on an
DCB Decachlorob	iphenyl	103			65 - 174	

#### Client: AECOM Technical Services Inc.

Client Sample ID:	CS-93 (SIDEWALL 1	1.5)				
Lab Sample ID: Client Matrix:	480-88271-3 Solid	% Moisture	e: 13.9		Date Samp Date Rece	oled: 10/01/2015 1415 ived: 10/01/2015 1650
	8082A Polye	chlorinated Bipheny	ls (PCBs) by Gas	s Chromatogra	phy	
Analysis Method: Prep Method: Dilution: Analysis Date: Prep Date:	8082A 3550C 1.0 10/02/2015 1130 10/01/2015 2213	Analysis Batch: Prep Batch:	480-266611 480-266559	Instrument Initial Weig Final Weigl Injection Vo Result Type	ID: ht/Volume: ht/Volume: blume: e:	HP5890-12 +2.17 g 10 mL 1 uL PRIMARY
Analyte	DryWt Correcte	ed: Y Result (m	ng/Kg) Qua	lifier M	DL	RL
PCB-1016	na ta manana mana mana mang mang kanang manana manang manana pamana panana	ND	en de la contrare des contractions d'accession de la contraction de la contra	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	Qua	llifier	Acceptance	e Limits
Tetrachloro-m-xyle	ene	106	ill-saret dividentifalaanseersaamalarenaapana 1 manapinalar-gogy ora mammadaa doo		60 - 154	in fernantska affersia. N. es-setnis vitandrek filader tidda - siðr samstnaskar fakkröfild av draftskar - ta sær dräm
DCB Decachlorobi	phenyl	103			65 - 174	

#### Client: AECOM Technical Services Inc.

Client Sample ID:	CS-94 (SIDEWALL 1	.5)				
Lab Sample ID: Client Matrix:	480-88271-4 Solid	% Moisture	e: 14.8		Date San Date Rec	npled: 10/01/2015 1420 æived: 10/01/2015 1650
	8082A Polyc	hlorinated Bipheny	ls (PCBs) by (	Gas Chro	matography	
Analysis Method: Prep Method: Dilution: Analysis Date: Prep Date:	8082A 3550C 1.0 10/02/2015 1145 10/01/2015 2213	Analysis Batch: Prep Batch:	480-266611 480-266559	Ins Init Fin Inje Res	trument ID: ial Weight/Volume: al Weight/Volume: ection Volume: sult Type:	HP5890-12 +2.31 g 10 mL 1 uL PRIMARY
Analyte	DryWt Correcte	ed: Y Result (n	ng/Kg) C	Qualifier	MDL	RL
PCB-1016	(a) control (a) a serie and the control of the c	ND	and a second secon	9 mmar - 4 mmar - 4 mmar - 9 m	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	C	Qualifier	Acceptan	ce Limits
Tetrachloro-m-xyle		107	ana jaman kendengi sebasan menangan kendulan dari sebuti kendulan di menangan di menangan di menangan di menan		60 - 154	ngo-gog ngananinangan tang-gan, man ingang-perovit pitarananan apita o mering saar-gan-gang-
DCB Decachlorob	iphenyl	104			65 - 174	

#### Client: AECOM Technical Services Inc.

Client Sample ID:	CS-95 (SIDEWALL 1.5)

Lab Sample ID: Client Matrix:	480-88271-5 Solid	% Moistur	e: 16.7		Date San Date Rec	npled: 10/01/2015 1425 æived: 10/01/2015 1650
	8082A Poly	chlorinated Bipheny	ls (PCBs) by Ga	s Chromate	ography	
Analysis Method: Prep Method: Dilution: Analysis Date: Prep Date:	8082A 3550C 1.0 10/02/2015 1200 10/01/2015 2213	Analysis Batch: Prep Batch:	480-266611 480-266559	Instrum Initial W Final W Injectio Result	ent ID: /eight/Volume: /eight/Volume: n Volume: Type:	HP5890-12 +2.10 g 10 mL 1 uL PRIMARY
Analyte	DryWt Correct	ed: Y Result (n	ng/Kg) Qu	alifier	MDL	RL
PCB-1016		ND			0.056	0.29
PCB-1221 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	Qu	alifier	Acceptar	ice Limits
Tetrachloro-m-xyle	ene	108			60 - 154	hender han die voor die het de ministerie en die eerste eerste met werden en die het die seelen die het die see
DCB Decachlorob	iphenyl	103			65 - 174	

#### Client: AECOM Technical Services Inc.

Client Sample ID:	CS-96 (SIDEWALL	12.0)				
Lab Sample ID: Client Matrix:	480-88271-6 Solid	% Moisture	ə: 13.5		Date San Date Rec	npled: 10/01/2015 1549 ceived: 10/01/2015 1650
	8082A Poly	chlorinated Bipheny	ls (PCBs) by G	as Chroma	tography	
Analysis Method: Prep Method: Dilution: Analysis Date: Prep Date:	8082A 3550C 1.0 10/02/2015 1215 10/01/2015 2213	Analysis Batch: Prep Batch:	480-266611 480-266559	Instru Initial Final Injecti Resul	ment ID: Weight/Volume: Weight/Volume: ion Volume: it Type:	HP5890-12 +2.75 g 10 mL 1 uL PRIMARY
Analyte	DryWt Correct	ted: Y Result (m	ng/Kg) Qu	ualifier	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	Qu	ualifier	Acceptar	nce Limits
Tetrachloro-m-xyle	ene	104			60 - 154	na V divlani, malabisarbaren, jalentislakor estesa erreditettettette y (j) mittestittettette dista attes,
DCB Decachlorob	iphenyl	103			65 - 174	

#### Client: AECOM Technical Services Inc.

Client Sample ID:	CS-97 (BOTTOM 12.0)					
Lab Sample ID:	480-88271-7				Date Sam	npled: 10/01/2015 1555
Client Matrix:	Solid	% Moisture	e: 15.8		Date Rec	eived: 10/01/2015 1650
	8082A Polych	lorinated Bipheny	ls (PCBs) by G	as Chromatog	aphy	<u> </u>
Analysis Method:	8082A	Analysis Batch:	480-266611	Instrument	t ID:	HP5890-12
Prep Method:	3550C	Prep Batch:	480-266559	Initial Weig	ght/Volume:	+2.06 g
Dilution:	1.0			Final Weig	ht/Volume:	10 mL
Analysis Date:	10/02/2015 1303			Injection V	'olume:	1 uL
Prep Date:	10/01/2015 2213			Result Typ	be:	PRIMARY
Analyte	DryWt Corrected	Y Result (m	ng/Kg) Qi	ualifier N	IDL	RL
PCB-1016	an a	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	Q	ualifier	Acceptan	ce Limits
Tetrachloro-m-xyle	ene	105	danah bartuna ang anin nganga gang kalanan gangan nagi nyawin datun na mina matun an	n e form annan e eand annar-articland de Stêr (de al Orer VSSa -Serbede Ar	60 - 154	mananenskaren yellen orennen nagensk eine man just ein jardele 🖉 garled dentre i Einständeliche ein 194
DCB Decachlorob	iphenyl	103			65 - 174	

#### Client: AECOM Technical Services Inc.

Client Sample ID:	CS-98 (SIDEWALL 12	2.0)			
Lab Sample ID:	480-88271-8			Date	Sampled: 10/01/2015 1555
Client Matrix:	Solid	% Moisture	e: 13.1	Date	Received: 10/01/2015 1650
	8082A Polych	nlorinated Bipheny	ls (PCBs) by Gas	s Chromatography	
Analysis Method:	8082A	Analysis Batch:	480-266611	Instrument ID:	HP5890-12
Prep Method:	3550C	Prep Batch:	480-266559	Initial Weight/Volum	ie: +2.54 g
Dilution:	1.0			Final Weight/Volum	e: 10 mL
Analysis Date:	10/02/2015 1318			Injection Volume:	1 uL
Prep Date:	10/01/2015 2213			Result Type:	PRIMARY
Analyte	DryWt Corrected	I: Y Result (m	ng/Kg) Qua	alifier MDL	RL
PCB-1016	a le 🕷 à starre antenant ( a programme se 🕯 a son e mer se nomme sont è rere derivation	ND	a yang mutanya dara kara na kara na kara sa kara matang kara s	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	Qua	alifier Accep	tance Limits
Tetrachloro-m-xyle	ene	108	r a mangalam angala ana ayangkanangkanangkangkan siyahanangkangkangkanangkan di makas	60 - 1	54
DCB Decachlorob	iphenyl	105		65 - 1	74

#### Client: AECOM Technical Services Inc.

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Client Sample ID:	CS-99 (SIDEWALL 12	2.0)			
Lab Sample ID: Client Matrix:	480-88271-9 Solid	% Moisture	e: 13.6	Date Sar Date Red	npled: 10/01/2015 1605 ceived: 10/01/2015 1650
	8082A Polycl	hlorinated Bipheny	ls (PCBs) by Gas	s Chromatography	
Analysis Method: Prep Method: Dilution: Analysis Date: Prep Date:	8082A 3550C 1.0 10/02/2015 1333 10/01/2015 2213	Analysis Batch: Prep Batch:	480-266611 480-266559	Instrument ID: Initial Weight/Volume: Final Weight/Volume: Injection Volume: Result Type:	HP5890-12 +2.28 g 10 mL 1 uL PRIMARY
Analyte	DryWt Corrected	d: Y Result (m	ng/Kg) Qua	alifier MDL	RL
PCB-1016	na n	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	Qua	alifier Acceptar	ice Limits
Tetrachloro-m-xyle	ene	108	nanneum arapeumn in eisternannenden bin bine am p-org bareiret	60 - 154	kinaadaddii olaan doolaa albaaa aado wala arka ahaanka ahaanka ahaanka ahaanka ahaana iyo daalaa ah
DCB Decachlorob	iphenyl	104		65 - 174	

#### Client: AECOM Technical Services Inc.

Job Number: 480-88271-1

### Client Sample ID: CS-100 (SIDEWALL 12.0)

Lab Sample ID: Client Matrix:	480-88271-10 Solid	% Moistur	e: 14.4		Date San Date Rec	npled: 10/01/2015 1615 ceived: 10/01/2015 1650
	8082A Poly	chlorinated Bipheny	vis (PCBs) by (	Gas Chrom	atography	
Analysis Method: Prep Method: Dilution: Analysis Date: Prep Date:	8082A 3550C 1.0 10/02/2015 1348 10/01/2015 2213	Analysis Batch: Prep Batch:	480-266611 480-266559	Instr Initia Fina Injec Rest	ument ID: I Weight/Volume: I Weight/Volume: tion Volume: ult Type:	HP5890-12 +2.46 g 10 mL 1 uL PRIMARY
Analyte	DryWt Correct	ed: Y Result (r	ng/Kg) (	Qualifier	MDL	RL
PCB-1016	(b) is the set (b) "A interest (1) (b) (b) is interested where the set of	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	C	Qualifier	Acceptar	ce Limits
Tetrachloro-m-xyle	ene	108	nar fere i server del di selle denne l'hidron. I dell'eri nel sel de sin del mane l'hidrig		60 - 154	SINITE Sector (Cardenine Cardenine Sector Cardenine) (Cardenine) (Cardenine) (Cardenine) (Cardenine Cardenine) (Cardenine) (Ca
DCB Decachlorob	iphenyl	105			65 - 174	

#### Client: AECOM Technical Services Inc.

Job Number: 480-88271-1

#### Client Sample ID: CS-101 (SIDEWALL 5.0)

Lab Sample ID: Client Matrix:	480-88271-11 Solid	% Moisture	e: 14.0	ם ם	Pate Sampled: 10/01/2015 1620 Pate Received: 10/01/2015 1650
	8082A Poly	chlorinated Bipheny	ls (PCBs) by Gas	Chromatography	y
Analysis Method: Prep Method: Dilution: Analysis Date: Prep Date:	8082A 3550C 1.0 10/02/2015 1403 10/01/2015 2213	Analysis Batch: Prep Batch:	480-266611 480-266559	Instrument ID: Initial Weight/V Final Weight/Ve Injection Volum Result Type:	HP5890-12 olume: +2.41 g olume: 10 mL ne: 1 uL PRIMARY
Analyte	DryWt Correct	ed: Y Result (m	ng/Kg) Qua	lifier MDL	RL
PCB-1016	ter er gint i venner 🖉 🦉 slære 🖉 ver er enner i sameten i sameten og er prograffer er prograffer er er er er	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	Qua	lifier A	cceptance Limits
Tetrachloro-m-xyle	ene	110	namena en	6	0 - 154
DCB Decachlorob	iphenyl	108		6	5 - 174

#### Client: AECOM Technical Services Inc.

Job Number: 480-88355-1

Client Sample ID:	CS-102 (SIDEWALL 2.5)
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Lab Sample ID: Client Matrix:	480-88355-1 Solid	% Moistu	re: 21.9		Date San Date Rec	npled: 10/02/2015 1719 æived: 10/02/2015 1835
	8082A Poly	chlorinated Biphen	yls (PCBs) by (	Gas Chroma	tography	
Analysis Method: Prep Method: Dilution: Analysis Date: Prep Date:	8082A 3550C 1.0 10/05/2015 1600 10/05/2015 0826	Analysis Batch: Prep Batch:	480-266999 480-266901	Instru Initial Final Injecti Resul	ment ID: Weight/Volume: Weight/Volume: ion Volume: t Type:	HP5890-12 +2.88 g 10 mL 1 uL PRIMARY
Analyte	DryWt Correct	ed: Y Result (	mg/Kg) (	Qualifier	MDL	RL
PCB-1016	a ana a la broad a dollood. Bradina da al dochardheo mhaadhida an abroadh a cuiseac du ca proo	ND	in a south that the second state of the second		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	Acceptar	ice Limits
Tetrachloro-m-xyle DCB Decachlorob	ene iphenyl	96 87		adatanan na data giran na 1 kata n	60 - 154 65 - 174	naladata na na kijin 1 ka na kana na na na kana kana kana k

#### Client: AECOM Technical Services Inc.

Job Number: 480-88355-1

Client Sample ID: 0	CS-103 (SIDEWALL 5.0)
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Lab Sample ID: Client Matrix:	480-88355-2 Solid	% Moistur	e: 15.8	Date S Date F	ampled: 10/02/2015 1725 Received: 10/02/2015 1835
	8082A Poly	chlorinated Bipheny	Is (PCBs) by Gas	Chromatography	
Analysis Method: Prep Method: Dilution: Analysis Date: Prep Date:	8082A 3550C 1.0 10/05/2015 1615 10/05/2015 0826	Analysis Batch: Prep Batch:	480-266999 480-266901	Instrument ID: Initial Weight/Volum Final Weight/Volume Injection Volume: Result Type:	HP5890-12 e: +2.76 g e: 10 mL 1 uL PRIMARY
Analyte	DryWt Correct	ted: Y Result (n	ng/Kg) Qua	lifier MDL	RL
PCB-1016 PCB-1221 PCB-1232 PCB-1242 PCB-1248 PCB-1254 PCB-1260		0.044 ND ND ND ND 1.2	V J	0.042 0.042 0.042 0.042 0.042 0.042 0.10 0.10	0.22 0.22 0.22 0.22 0.22 0.22 0.22 0.22
Surrogate		%Rec	Qua	lifier Accept	tance Limits
Tetrachloro-m-xyle DCB Decachlorob	ene iphenyl	105 99	ana in an	60 - 15 65 - 17	54 '4

1/21/16

#### Client: AECOM Technical Services Inc.

Client Sample ID:	CS-104 (Bottom 1.5)					
Lab Sample ID: Client Matrix:	480-88492-1 Solid	% Moisture	ə: 17.3		Date San Date Rec	npled: 10/06/2015 1040 ceived: 10/06/2015 1515
	8082A Polych	lorinated Bipheny	ls (PCBs) by G	as Chroma	atography	
Analysis Method: Prep Method: Dilution: Analysis Date: Prep Date:	8082A 3550C 1.0 10/07/2015 1154 10/06/2015 2225	Analysis Batch: Prep Batch:	480-267384 480-267298	Instru Initial Final Injecti Resul	ment ID: Weight/Volume: Weight/Volume: ion Volume: t Type:	HP5890-12 +2.85 g 10 mL 1 uL PRIMARY
Analyte	DryWt Corrected:	Y Result (m	ng/Kg) Qu	ualifier	MDL	RL
PCB-1016 PCB-1221 PCB-1232 PCB-1242 PCB-1248 PCB-1254 PCB-1250		ND ND ND ND ND ND			0.041 0.041 0.041 0.041 0.041 0.099 0.099	0.21 0.21 0.21 0.21 0.21 0.21 0.21
Surrogate		%Rec	Qı	ualifier	Acceptan	ce Limits
Tetrachloro-m-xyle DCB Decachlorobi	ne phenyl	106 95			60 - 154 65 - 174	

Client: AECOM Technical Services Inc.

<b>Client Sample ID:</b>	CS-107 (Bottom 1.5)					
Lab Sample ID: Client Matrix:	480-88492-2 Solid	% Moisture	e: 13.7		Date San Date Rec	npled: 10/06/2015 1115 eived: 10/06/2015 1515
	8082A Polych	nlorinated Bipheny	ls (PCBs) by	Gas Chro	matography	
Analysis Method: Prep Method: Dilution: Analysis Date: Prep Date:	8082A 3550C 1.0 10/07/2015 1913 10/07/2015 0749	Analysis Batch: Prep Batch:	480-267460 480-267330	Ins Init Fin Inje Res	trument ID: ial Weight/Volume: al Weight/Volume: ection Volume: sult Type:	HP6890-7 +2.49 g 10 mL 1 uL PRIMARY
Analyte	DryWt Corrected	t: Y Result (m	ng/Kg) (	Qualifier	MDL	RL
PCB-1016	ener ( for a new policies and each like a clipped if each each a second an each and	ND	e ar tre til man i komm fall met samme re time		0.046	0.23
PCB-1221 PCB-1232 PCB-1242		ND ND ND			0.048 0.046 0.046	0.23 0.23 0.23
PCB-1248 PCB-1254		ND ND			0.046 0.11	0.23 0.23
PCB-1260		ND			0.11	0.23
Surrogate	nar is in the statement of the statement the statement of the statement of the statement of the state statement	%Rec	(	Qualifier	Acceptan	ce Limits
Tetrachloro-m-xyle DCB Decachlorobi	ene phenyl	108 105			60 - 154 65 - 174	

#### Client: AECOM Technical Services Inc.

Client Sample ID:	CS-109 (Sidewall 1.0)						
Lab Sample ID:	480-88492-3					Date San	npled: 10/06/2015 1135
Client Matrix:	Solid	% Moisture	e: 15.2			Date Rec	eived: 10/06/2015 1515
	8082A Polych	lorinated Bipheny	ls (PCBs) by	Gas C	hromatogra	aphy	
Analysis Method:	8082A	Analysis Batch:	480-267460	5	Instrument	ID:	HP6890-7
Prep Method:	3550C	Prep Batch:	480-267330	C	Initial Weig	ht/Volume:	+2.33 g
Dilution:	2.0				Final Weig	nt/Volume:	10 mL
Analysis Date:	10/07/2015 1929				Injection V	olume:	1 uL
Prep Date:	10/07/2015 0749				Result Typ	e:	PRIMARY
Analyte	DryWt Corrected	Y Result (n	ng/Kg)	Qualifie	er M	DL	RL
PCB-1016	ner anna a marta ann an an Anna	ND	internation of the second second second second		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		Qualifie	er	Acceptan	ce Limits
Tetrachloro-m-xyle		110		et getigtige for getieft forme is additionarian	elhallada e se nedi name ela enhanado ele inarene namana e na	60 - 154	nay pilo dala mana mperanda se na sama na mpanana mpanana mana mana mana ma
DCB Decachlorobi	phenyl	113				65 - 174	

#### Client: AECOM Technical Services Inc.

Client Sample ID:	CS-109A (SIDEWALL 2.0)
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Lab Sample ID: Client Matrix:	480-88931-1 Solid	% Moistu	re: 23.2	Date Date	Sampled: 10/12/2015 1620 Received: 10/12/2015 1812
	8082A Po	lychlorinated Bipheny	ris (PCBs) by Gas	Chromatography	
Analysis Method: Prep Method: Dilution: Analysis Date: Prep Date:	8082A 3550C 10 10/14/2015 1540 10/14/2015 0807	Analysis Batch: Prep Batch:	480-268778 480-268652	Instrument ID: Initial Weight/Volu Final Weight/Volur Injection Volume: Result Type:	HP5890-12 me: +2.44 g ne: 10 mL 1 uL PRIMARY
Analyte	DryWt Corre	cted: Y Result (	mg/Kg) Qua	lifier MDL	RL
PCB-1016		ND	and we are a substantial to the two problem dependence on the state of	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	Qua	lifier Acce	ptance Limits
Tetrachloro-m-xyle	ene	121	ann ar ann a rucha Chanan ann an ris a' a' rann à an a bhann	60 - 1	154
DCB Decachlorob	iphenyl	118		65 -	174

Client: AECOM Technical Services Inc.

Job Number: 480-89281-1

Client Sample ID:	CS-109B(SIDEWALI	L 3.0)				
Lab Sample ID: Client Matrix:	480-89281-1 Solid	% Moisture	e: 21.0		Date San Date Rec	npled: 10/16/2015 0930 ceived: 10/16/2015 1035
	8082A Poly	chlorinated Bipheny	ls (PCBs) by G	as Chrom	atography	
Analysis Method: Prep Method: Dilution: Analysis Date: Prep Date:	8082A 3550C 1.0 10/16/2015 1718 10/16/2015 1132	Analysis Batch: Prep Batch:	480-269252 480-269223	Instru Initial Final Inject Resu	iment ID: Weight/Volume: Weight/Volume: tion Volume: It Type:	HP5890-12 +2.28 g 10 mL 1 uL PRIMARY
Analvte	DrvWt Correcte	ed: Y Result (n	ng/Kg) Qi	ualifier	MDL	RL
PCB-1016	and proved the section of a second section of the second section of the second section of the second section of	ND	and a set of the state of the s	. E i e B ( ) i e a const B ( a const B ( ) i e C ( ) i	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	Q	ualifier	Acceptar	nce Limits
Tetrachloro-m-xyle		96	alaana bii dagaa da ka ka dagaa aha aha aha aha aha aha aha aha aha		60 - 154	4. In the second descent second se second second s second second se
DCB Decachlorob	iphenyl	98			65 - 174	

98

DCB Decachlorobiphenyl

Client: AECOM Technical Services Inc.

Client Sample ID:	CS-110 (Bottom 1.5)						
Lab Sample ID: Client Matrix:	480-88492-4 Solid	% Moisture	e: 16.7			Date San Date Rec	npled: 10/06/2015 1140 ceived: 10/06/2015 1515
	8082A Polychi	orinated Bipheny	ls (PCBs) by	Gas C	hromatogra	iphy –	
Analysis Method: Prep Method: Dilution: Analysis Date: Prep Date:	8082A 3550C 1.0 10/07/2015 1945 10/07/2015 0749	Analysis Batch: Prep Batch:	480-267460 480-267330	)	Instrument Initial Weigl Final Weigh Injection Vo Result Type	ID: ht/Volume: ht/Volume: olume: e:	HP6890-7 +2.59 g 10 mL 1 uL PRIMARY
Analyte	DrvWt Corrected:	Y Result (m	na/Ka)	Qualifie	er Mi	DL	RL
PCB-1016 PCB-1221 PCB-1232				et friger verschungene e	0.0 0.0 0.0	)45 )45 )45	0.23 0.23 0.23
PCB-1242 PCB-1248		ND ND			0.0 0.0	)45 )45	0.23 0.23
PCB-1254 PCB-1260		ND ND			0.1 0.1	11 11	0.23 0.23
Surrogate		%Rec		Qualifie	er	Acceptan	ce Limits
Tetrachloro-m-xyle DCB Decachlorobi	ne phenyl	107 104	na e men or antinació fortación a pore filo		tear-t via a ad-arar and his-ran analy a 🗍	60 - 154 65 - 174	nennennen an energigen egigt an Balan e in eine eine annannen e anannen e eine annen eine

# Client: AECOM Technical Services Inc.

# Analytical Data

Job Number: 480-88492-1

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Client Sample ID Lab Sample ID: Client Matrix:	: CS-113 (Bottom 1.5 480-88492-5 Solid	% Moistur	e: 14.6		Date Sar Date Rec	npled: 10/06/2015 1230 eived: 10/06/2015 1515
	8082A Poly	chlorinated Bipheny	is (PCBs) by Gas	Chromatoo	raphy	
Analysis Method: Prep Method: Dilution: Analysis Date: Prep Date:	8082A 3550C 1.0 10/07/2015 1209 10/06/2015 2225	Analysis Batch: Prep Batch:	480-267384 480-267298	Instrumen Initial Weig Final Weig Injection V Result Typ	t ID: ght/Volume: ght/Volume: ′olume: pe:	HP5890-12 +2.41 g 10 mL 1 uL PRIMARY
Analyte	DryWt Correcte	ed: Y Result (m	g/Kg) Quali	fier M	וחו	PI
PCB-1016	a consequente da consecuencia da conse	ND		0	048	
PCB-1221		ND		0	048	0.24
PCB 1232		ND		0	048	0.24
PCB 1242		ND		0	048	0.24
PCB-1240		ND		0.	048	0.24
PCB-1260		ND		0.	11	0.24
100-1200		ND		0.	11	0.24
Surrogate		%Rec	Qualif	er	Acceptanc	e l imits
DCB Decachlorobin	le bonyl	111		na nagradaddwedi o do o to affeddw na arwy-adau, arw to a	60 - 154	En la construction de la cons
	ineny:	105			65 - 174	

#### Client: AECOM Technical Services Inc.

<b>Client Sample ID</b>	: CS-114 (Sidewall 2.	0)			
Lab Sample ID: Client Matrix:	480-88492-6 Solid	% Moistu	re: 4.2	Date S Date I	Sampled: 10/06/2015 1240 Received: 10/06/2015 1515
	8082A Poly	chlorinated Bipheny	vis (PCBs) by Gas	Chromatography	
Analysis Method: Prep Method: Dilution: Analysis Date: Prep Date:	8082A 3550C 1.0 10/07/2015 2001 10/07/2015 0749	Analysis Batch: Prep Batch:	480-267460 480-267330	Instrument ID: Initial Weight/Volum Final Weight/Volum Injection Volume: Result Type:	HP6890-7 ne: +2.10 g e: 10 mL 1 uL PRIMARY
Analyte	DryWt Correct	ed: Y Result (	ng/Kg) Qua	lifier 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	ſ	0.12	0.25
Surrogate		%Rec	Qua	lifier Accep	tance Limits
Tetrachloro-m-xyle		110		60 - 1	54
DCB Decachlorob	iphenyl	109		65 - 1	74

Client: AECOM Technical Services Inc.

Client Sample ID:	CS-115 (Sidewall 2.0)				
Lab Sample ID: Client Matrix:	480-88492-7 Solid	% Moisture	e: 4.5	Date Date	Sampled: 10/06/2015 1245 Received: 10/06/2015 1515
	8082A Polych	nlorinated Bipheny	ls (PCBs) by Gas	Chromatography	
Analysis Method: Prep Method: Dilution: Analysis Date: Prep Date:	8082A 3550C 1.0 10/07/2015 2017 10/07/2015 0749	Analysis Batch: Prep Batch:	480-267460 480-267330	Instrument ID: Initial Weight/Volur Final Weight/Volur Injection Volume: Result Type:	HP6890-7 me: +2.31 g ne: 10 mL 1 uL PRIMARY
Analyte	DryWt Corrected	d: Y Result (n	ng/Kg) Qua	lifier MDL	RL
PCB-1016	and a new lower prior many events of the field of a providence presence of the	ND	errenterine fine i me manue i fine e terrente e i fine annem	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	Qua	alifier Acce	ptance Limits
Tetrachloro-m-xvl	ene	110		60 -	154
DCB Decachlorob	iphenyl	110		65 -	174

Client: AECOM Technical Services Inc.

Client Sample ID:	CS-117 (SIDEWALL	0.5)			
Lab Sample ID: Client Matrix:	480-88611-1 Solid	% Moisture	e: 13.5	Date S Date F	ampled: 10/07/2015 1327 Received: 10/07/2015 1744
	8082A Polyc	hlorinated Bipheny	ls (PCBs) by Ga	s Chromatography	
Analysis Method: Prep Method: Dilution: Analysis Date: Prep Date:	8082A 3550C 1.0 10/08/2015 0937 10/07/2015 2307	Analysis Batch: Prep Batch:	480-267573 480-267543	Instrument ID: Initial Weight/Volum Final Weight/Volum Injection Volume: Result Type:	HP6890-7 e: +2.85 g e: 10 mL 1 uL PRIMARY
Analyte	DrvWt Correcte	ed: Y Result (n	ng/Kg) Qua	alifier MDL	RL
PCB-1016	als and all advantaged date that is remaining measure the profest advancement of the	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	Qui	alifier Accep	tance Limits
Tetrachloro-m-xvle		104	(a) a hardward on a real-barren fer y in energies and y mercled whether any second se second second sec	60 - 1	54
DCB Decachlorob	iphenyl	103		65 - 1	74

Job Number: 480-88611-2

Client Sample ID:	CS-118 (SIDEWALL	2.5)				
Lab Sample ID:	480-88611-2		40.0		Date San	npled: 10/07/2015 1650
Client Matrix:	Solid	% Moisture	e: 16.0		Date Ret	
	8082A Polyc	hlorinated Bipheny	ls (PCBs) by Ga	as Chromat	tography	-
Analysis Method:	8082A	Analysis Batch:	480-267573	Instrun	nent ID:	HP6890-7
Prep Method:	3550C	Prep Batch:	480-267543	Initial V	Veight/Volume:	+2.32 g
Dilution:	1.0	•		Final V	Veight/Volume:	10 mL
Analysis Date:	10/08/2015 0953			Injectio	on Volume:	1 uL
Prep Date:	10/07/2015 2307			Result	Туре:	PRIMARY
Analyte	DryWt Correcte	d: Y Result (n	ng/Kg) Qi	ualifier	MDL	RL
PCB-1016	에 가 있는 것은 것 같은	ND	andrens ( )	ning week die in die state ein die annen en d	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	Q	ualifier	Acceptar	nce Limits
Tetrachloro-m-xvl		105	and approximately for the last of the second standard approximately a	ning 2 mp. Land, na mp. Land, da shi ka sa	60 - 154	
DCB Decachlorob	iphenyl	104			65 - 174	

Job Number: 480-88931-1

Client Sample ID:	CS-118A (SIDEWALL	_ 4.0)				
Lab Sample ID: Client Matrix:	480-88931-3 Solid	% Moisture	21.5		Date Sar Date Re	npled: 10/12/2015 1728 ceived: 10/12/2015 1812
	8082A Polyc	hlorinated Bipheny	s (PCBs) by	Gas Ch	romatography	
Analysis Method: Prep Method: Dilution: Analysis Date: Prep Date:	8082A 3550C 1.0 10/14/2015 1610 10/14/2015 0807	Analysis Batch: Prep Batch:	480-268778 480-268652	k It F F	nstrument ID: nitial Weight/Volume: Final Weight/Volume: njection Volume: Result Type:	HP5890-12 +2.61 g 10 mL 1 uL PRIMARY
Analyte	DrvWt Correcte	d: Y Result (n	ng/Kg)	Qualifier	MDL	RL
PCB-1016	an benefatighed and the second s	ND	angalan da mar a man a gga ng apart da man da antang antang di danahan	i gi ge daaraa ka antari shamida i Coloni	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		0.39			0.11	0.24
Surrogate		%Rec		Qualifie	r Accepta	ince Limits
Tetrachloro-m-xvl	ene	110		a an an a dagan ana ana an	60 - 154	ļ
DCB Decachlorob	iphenyl	102			65 - 174	ļ

Client: AECOM Technical Services Inc.

Client Sample ID: Lab Sample ID: Client Matrix:	480-88611-3 Solid	% Moisture	e: 20.8		Date San Date Rec	npled: 10/07/2015 æived: 10/07/2015
	8082A Polychi	orinated Biphenyl	s (PCBs) by	Gas Chro	matography	
Analysis Method:	8082A	Analysis Batch:	480-267573	Ins	trument ID:	HP6890-7
Prep Method:	3550C	Prep Batch:	480-267543	Init	al Weight/Volume:	+2.55 g
Dilution:	1.0			Fin	ai weight/volume:	
Analysis Date:	10/08/2015 1008			Inje		
Prep Date:	10/07/2015 2307			Re	sult Type:	PRIMARY
Analyte	DryWt Corrected:	Y Result (m	ng/Kg)	Qualifier	MDL	RL
PCB-1016		ND	na nananan s		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	Acceptar	nce Limits
Tetrachloro-m-xvle		103	egysgodystytet i a mitodate het sage-hanteleben tilsetti tilsen atterdered	hande handeling de haardelinge weer is hat de die de de heerste kommen op die de	60 - 154	
DCB Decachlorob	inhenvl	103			65 - 174	

Job Number: 480-88931-1

Client Sample ID:	CS-119A (BOTTOM 3.0)
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Lab Sample ID: Client Matrix:	480-88931-2 Solid	% Moisture	e: 20.6		Date Sampled: Date Received	10/12/2015 1640 10/12/2015 1812
	8082A Poly	chlorinated Bipheny	ls (PCBs) by Gas	Chromatograp	hy	
Analysis Method: Prep Method: Dilution: Analysis Date: Prep Date:	8082A 3550C 1.0 10/14/2015 1555 10/14/2015 0807	Analysis Batch: Prep Batch:	480-268778 480-268652	Instrument ID Initial Weight Final Weight Injection Volu Result Type:	): HP5 /Volume: +2.4 /Volume: 10 ume: 1 u PRI	/890-12 ⊧1 g mL ıL MARY
Analyte	DryWt Correct	ted: Y Result (n	ng/Kg) Qual	ifier MD	Ministerio and ( ) from a second of Approximation and a	RL
PCB-1016 PCB-1221 PCB-1232 PCB-1242 PCB-1248 PCB-1254 PCB-1254		ND ND ND ND ND 0.14	۲ 认	0.03 0.02 0.02 0.02 0.02 0.02 0.02 0.1	51 51 51 51 51 2 2	0.26 0.26 0.26 0.26 0.26 0.26 0.26 0.26
Surrogate Tetrachloro-m-xyl DCB Decachlorob	ene biphenyl	%Rec 108 114	Qua	lifier	Acceptance L 60 - 154 65 - 174	mits

1/22/15

Job Number: 480-88860-1

Client Sample ID:	CS-120 (BOTTOM 1.	.0)			Data Sam	nod 10/00/2015 1415
Lab Sample ID: Client Matrix:	480-88860-1 Solid	% Moisture	e: 17.4		Date Sam	eived: 10/09/2015 1650
	8082A Polye	chlorinated Bipheny	ls (PCBs) by Gas	Chromatogra	aphy	
Analysis Method: Prep Method: Dilution: Analysis Date: Prep Date:	8082A 3550C 1.0 10/12/2015 1521 10/12/2015 0818	Analysis Batch: Prep Batch:	480-268269 480-268183	Instrument Initial Weig Final Weig Injection V Result Typ	ID: ht/Volume: ht/Volume: olume: e:	HP5890-12 +2.46 g 10 mL 1 uL PRIMARY
Analuta	DryWt Correct	ed: Y Result (n	ng/Kg) Qua	alifier M	IDL	RL
PCB-1016 PCB-1221 PCB-1232 PCB-1242 PCB-1248 PCB-1254 PCB-1260		ND ND ND ND ND 0.14	J	0 0 0 0 0 0 0 0	048 048 048 048 048 048 12 .12	0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25
Surrogate Tetrachloro-m-xyl DCB Decachlorob	ene iphenyl	%Rec 94 87	Qu	alifier	Acceptar 60 - 154 65 - 174	nce Limits

Job Number: 480-88860-1

Client Sample ID:	20151009-FD-1	<s -12<="" th=""><th>20 (30#0</th><th>m 1.0)</th><th></th><th></th><th>_</th><th></th></s>	20 (30#0	m 1.0)			_	
Lab Sample ID: Client Matrix:	480-88860-2 Solid		% Moisture	e: 17.7			Date San Date Rec	npled: 10/09/2015 0000 ceived: 10/09/2015 1650
	8082A Po	lychlorina	ted Bipheny	ls (PCBs) l	by Gas C	hroma	atography	
Analysis Method: Prep Method: Dilution: Analysis Date: Prep Date:	8082A 3550C 1.0 10/12/2015 1536 10/12/2015 0818	Ana Pre	alysis Batch: p Batch:	480-2682 480-2681	69 83	Instru Initial Final Inject Resu	ment ID: Weight/Volume: Weight/Volume: ion Volume: It Type:	HP5890-12 +2.23 g 10 mL 1 uL PRIMARY
Analyte	DryWt Corr	ected: Y	Result (n	ng/Kg)	Qualif	ier	MDL	RL
PCB-1016	an ( an \$ - second and ( ) is any ( ) in \$200 an \$100 and	n de un Referencia de las servas de las dificilies de una d	ND	and a second second of the second s			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				0.15	0.21
Surrogate			%Rec		Qualit	fier	Accepta	nce Limits
Tetrachloro-m-xyle	ene viphenyl	All March and South State Sta	100 91				60 - 154 65 - 174	

### Client: AECOM Technical Services Inc.

#### Job Number: 480-88860-2

Client Sample ID:	CS-121	(BOTTOM	1,5)
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chem bampic ib.	00 121 (20110						
Lab Sample ID: Client Matrix:	480-88860-3 Solid	% Moi	isture: 19.3			Date San Date Rec	npled: 10/09/2015 142 eived: 10/09/2015 165
	8082A Po	lychlorinated Biph	nenyls (PCBs)	by Gas C	hromatogra	aphy	
Analysis Method: Prep Method: Dilution: Analysis Date: Prep Date:	8082A 3550C 1.0 10/12/2015 1551 10/12/2015 0818	Analysis Bat Prep Batch:	tch: 480-2682 480-2681	269 183	Instrument Initial Weig Final Weig Injection V Result Typ	ID: ht/Volume: ht/Volume: olume: e:	HP5890-12 +2.76 g 10 mL 1 uL PRIMARY
Analyte	DrvWt Corre	cted: Y Res	uit (ma/Ka)	Qualifi	er M	DL	RL
DCR 1016	and the second difficult statement and the lattice statement is a second statement of the second statement is a	ND		and the second s	0.	044	0.22
PCD-1010		ND			0.	044	0.22
PCD-1221		ND			0.	044	0.22
PCD-1232		ND			0	.044	0.22
POD-1242		ND			0	.044	0.22
PCB-1240		ND			0	.11	0.22
PCB-1254 PCB-1260		ND			0	.11	0.22
Surrogate		%Re	ec	Qualifi	er	Acceptar	nce Limits
Tetrachloro-m-yvl		96		terli i rumin virmi di vi qu'ori anciente a		60 - 154	
DCB Decachlorot	piphenyl	90				65 - 174	

Job Number: 480-88990-1

Client Sample ID:	CS-128 (BOTTOM 2.0)						1205
Lab Sample ID: Client Matrix:	480-88990-2 Solid	% Moisture	e: 13.0		Date Sam Date Rec	eived: 10/13/2015	1555
	8082A Polych	Iorinated Bipheny	ls (PCBs) by	Gas Chro	matography		
Analysis Method: Prep Method: Dilution: Analysis Date: Prep Date:	8082A 3550C 1.0 10/14/2015 1601 10/14/2015 0802	Analysis Batch: Prep Batch:	480-268719 480-268651	ins Init Fir Inj Re	strument ID: tial Weight/Volume: nal Weight/Volume: ection Volume: esult Type:	HP6890-7 +2.52 g 10 mL 1 uL PRIMARY	
• <b>b</b> 4=		I Y Result (n	na/Ka)	Qualifier	MDL	RL	
Analyte	Drywi Conecied	ND			0.045	0.23	
PCB-1016		ND			0.045	0.23	
PCB-1221		ND			0.045	0.23	
PCB-1232		ND			0.045	0.23	
PCB-1242					0.045	0.23	
PCB-1248					0.11	0.23	
PCB-1254					0.11	0.23	
PCB-1260		ND			••••		
Surrogate		%Rec		Qualifier	Accepta	nce Limits	ana a sandrara
Tetrachloro m vvl		108	annen 4 a 49annanna 8 ang senangkannen a 1 a 19apan na	and the second se	60 - 154		
DCB Decachlorob	iphenyl	105			65 - 174		

Job Number: 480-88990-1

<b>Client Sample ID:</b>	CS-129 (SIDEWALL	0.5)				
Lab Sample ID: Client Matrix:	480-88990-3 Solid	% Moistur	e: 19.7		Date San Date Rec	eived: 10/13/2015 1555
	8082A Polyc	hlorinated Bipheny	vis (PCBs) by (	Gas Chroma	atography	
Analysis Method: Prep Method: Dilution: Analysis Date: Prep Date:	8082A 3550C 1.0 10/14/2015 1617 10/14/2015 0802	Analysis Batch: Prep Batch:	480-268719 480-268651	Instru Initial Final Inject Resu	ment ID: Weight/Volume: Weight/Volume: ion Volume: It Type:	HP6890-7 +2.55 g 10 mL 1 uL PRIMARY
•	DavA# Corrects	d V Result (	ma/Ka) (	Qualifier	MDL	RL
Analyte	Divvicconecia	ND			0.048	0.24
PCB-1016		ND			0.048	0.24
PCB-1221					0.048	0.24
PCB-1232					0.048	0.24
PCB-1242		ND			0.048	0.24
PCB-1248					0.11	0.24
PCB-1254					0.11	0.24
PCB-1260		ND			0.11	
0		%Rec		Qualifier	Accepta	nce Limits
Surrogate	na balanda (k. 1979) na mang ika na mang na mang na mang kana sa kiti na mang ika kana na mang na kana na mang	106	and the set of the set	magazini, wa na mana y nijin in na manananani	60 - 154	and the employed in a second property with the second second second
Tetrachloro-m-xyl DCB Decachlorol	iene Diphenyl	103			65 - 174	
Client Sample ID:	CS-130 (SIDEWALL (	).5)				1 1 40/40/004E 121E
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Lab Sample ID: Client Matrix:	480-88990-4 Solid	% Moisture	e: 20.7		Date San Date Rec	eived: 10/13/2015 1515
	8082A Polyc	hlorinated Bipheny	is (PCBs) by (	Gas Chroma	tography	
Analysis Method: Prep Method: Dilution: Analysis Date: Prep Date:	8082A 3550C 1.0 10/14/2015 1633 10/14/2015 0802	Analysis Batch: Prep Batch:	480-268719 480-268651	Instru Initial Final Inject Resu	ment ID: Weight/Volume: Weight/Volume: ion Volume: It Type:	HP6890-7 +2.18 g 10 mL 1 uL PRIMARY
A-alida		d Y Result (n	na/Ka)	Qualifier	MDL	RL
Analyte	Diyvit Concoc	ND		B. S. et al. 2 (1999) and a state of a st	0.057	0.29
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			0.14	0.29
PCB-1254					0.14	0.29
PCB-1260		ND				
Surrogate		%Rec		Qualifier	Accepta	nce Limits
Julioyate		106	an a	() and a line of the number of the lower of	60 - 154	
DCB Decachlorot	iphenyl	106			65 - 174	

Client Sample ID:	CS-134 (SIDEWALL	0.5)							
Lab Sample ID: Client Matrix:	480-88990-5 Solid		% Moisture	e: 18.5			Date San Date Rec	pled: 10/13/2018 eived: 10/13/2018	5 1355
	8082A Polyc	hlorinate	d Bipheny	ls (PCBs)	by Gas (	Chromat	ography		
Analysis Method: Prep Method: Dilution: Analysis Date: Prep Date:	8082A 3550C 1.0 10/14/2015 1649 10/14/2015 0802	Analy Prep	sis Batch: Batch:	480-2687 480-2686	719 651	Instrum Initial V Final V Injectio Result	nent ID: Veight/Volume: Veight/Volume: on Volume: Type:	HP6890-7 +2.38 g 10 mL 1 uL PRIMARY	
Analvte	DryWt Correcte	ed: Y	Result (n	ng/Kg)	Quali	ier	MDL	RL	
PCB-1016 PCB-1221 PCB-1232 PCB-1242 PCB-1248 PCB-1254 PCB-1260			ND ND 0.20 ND ND 0.87	J	ð		0.050 0.050 0.050 0.050 0.050 0.12 0.12	0.26 0.26 0.26 0.26 0.26 0.26 0.26	
Surrogata			%Rec		Qual	fier	Accepta	nce Limits	And a second second second second
Tetrachloro-m-xyl	ene Diphenyl	- note in the state of man defension of	107 104		non-d dea mar a gran provinci a dealeran a		60 - 154 65 - 174		

1/25/16

# Client: AECOM Technical Services Inc.

Client Sample ID:	CS-138 (SIDEWALL	0.5)			
Lab Sample ID: Client Matrix:	480-88990-6 Solid	% Moistu	ire: 28.5	Date Date	e Sampled: 10/13/2015 1420 e Received: 10/13/2015 1555
	8082A Poly	chlorinated Biphen	yls (PCBs) by Gas	Chromatography	
Analysis Method: Prep Method: Dilution: Analysis Date: Prep Date:	8082A 3550C 1.0 10/14/2015 1705 10/14/2015 0802	Analysis Batch Prep Batch:	: 480-268719 480-268651	Instrument ID: Initial Weight/Volu Final Weight/Volu Injection Volume: Result Type:	HP6890-7 ume: +2.72 g ume: 10 mL 1 uL PRIMARY
		ed Y Result	(mg/Kg) Qua	lifier MDL	RL
Analyte	Diyaat conco	ND	and the second stress of the second stress of the	0.050	0.26
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		0.34		0.12	0.26
PCB-1254		0.34	y •	0.12	0.26
PCB-1260		0.20	· · · ·		
- ·		%Rec	Qua	alifier Ac	ceptance Limits
Surrogate	ومروع والمروح و	100	anna Bana Canada ya Bara B a da ayaanaa Garabaa amararki oo ya dha aha	60	- 154
Tetrachloro-m-xyl DCB Decachlorot	ene biphenyl	95		65	- 174

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CS-127 (SIDEWALL C	).5)			malad: 10/13/2015 1300
480-88990-1 Solid	% Moisture	e: 12.1	Date Sa Date Re	eceived: 10/13/2015 1555
8082A Polyc	hlorinated Bipheny	ls (PCBs) by Gas	Chromatography	
8082A 3550C 1.0 10/14/2015 1410 10/14/2015 0802	Analysis Batch: Prep Batch:	480-268719 480-268651	Instrument ID: Initial Weight/Volume Final Weight/Volume Injection Volume: Result Type:	HP6890-7 : +2.56 g : 10 mL 1 uL PRIMARY
DrvWt Correcte	d: Y Result (r	ng/Kg) Qua	alifier MDL	RL
	ND ND ND ND ND ND ND		0.043 0.043 0.043 0.043 0.043 0.10 0.10	0.22 0.22 0.22 0.22 0.22 0.22 0.22 0.22
ene	%Rec 106 104	Qu	alifier Accept 60 - 15 65 - 17	tance Limits 54 74
	CS-127 (SIDEWALL C 480-88990-1 Solid 8082A 2010 8082A 2010 10/14/2015 1410 10/14/2015 0802 DryWt Correcte	CS-127 (SIDEWALL 0.5)       480-88990-1     % Moisture       Solid     % Moisture       8082A Polychlorinated Bipheny       8082A     Analysis Batch:       3550C     Prep Batch:       1.0     10/14/2015       10/14/2015     1410       10/14/2015     0802       DryWt Corrected: Y     Result (r       ND     ND       <	CS-127 (SIDEWALL 0.5)       480-88990-1     % Moisture:     12.1       8082A Polychlorinated Biphenyls (PCBs) by Gas       8082A     Analysis Batch:     480-268719       3550C     Prep Batch:     480-268651       1.0     10/14/2015     1410       10/14/2015     1410     0/14/2015     0802       DryWt Corrected: Y     Result (mg/Kg)     Qua       ND     ND     ND       ND     106     104 <td>CS-127 (SIDEWALL 0.5)     480-88990-1   Date Sa     Solid   % Moisture:   12.1   Date Reserve     8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography     8082A   Analysis Batch:   480-268719   Instrument ID:     3550C   Prep Batch:   480-268651   Initial Weight/Volume     1.0   Injection Volume:   Final Weight/Volume     10/14/2015   1410   Injection Volume:   Result Type:     DryWt Corrected: Y   Result (mg/Kg)   Qualifier   MDL     ND   0.043   0.043   ND   0.043     ND   0.043   ND   0.043   0.043     ND   0.010   ND   0.010   0.10     ND   0.10   0.10   0.10   0.10     ene   106   60 - 15   60 - 15</td>	CS-127 (SIDEWALL 0.5)     480-88990-1   Date Sa     Solid   % Moisture:   12.1   Date Reserve     8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography     8082A   Analysis Batch:   480-268719   Instrument ID:     3550C   Prep Batch:   480-268651   Initial Weight/Volume     1.0   Injection Volume:   Final Weight/Volume     10/14/2015   1410   Injection Volume:   Result Type:     DryWt Corrected: Y   Result (mg/Kg)   Qualifier   MDL     ND   0.043   0.043   ND   0.043     ND   0.043   ND   0.043   0.043     ND   0.010   ND   0.010   0.10     ND   0.10   0.10   0.10   0.10     ene   106   60 - 15   60 - 15

Job Number: 480-89241-1

Client Sample ID:	CS-146 (SIDEWALL	0.5)			_		10/15/0045 4040
Lab Sample ID: Client Matrix:	480-89241-1 Solid	% Moistu	re: 20.2		[	Date Sampled: Date Received	10/15/2015 1610
	8082A Polyc	hlorinated Biphen	yis (PCBs) b	y Gas C	hromatograph	У	
Analysis Method: Prep Method: Dilution: Analysis Date: Prep Date:	8082A 3550C 1.0 10/16/2015 1333 10/16/2015 0813	Analysis Batch: Prep Batch:	480-26921 480-26914	15 18	Instrument ID: Initial Weight/ Final Weight/ Injection Volu Result Type:	HP6 Volume: +2.1 Volume: 10 me: 1 u PRI	1890-7 14 g mL JL MARY
Analyta	DrvWt Correcte	ed: Y Result	(mg/Kg)	Qualif	er MDL	a an an an an ann an an Anna an	RL
DCP 1016		ND	Contraction of the second	a la la calence a conservance a conservance a conservance a conservance a conservance a conservance a conserva	0.05	7	0.29
PCB-1010		ND			0.05	7	0.29
POD-1221		ND			0.05	7	0.29
PCD-1232		ND			0.05	7	0.29
PCB-1242		0.19		15	0.05	7	0.29
PCB-1248		ND			0.14		0.29
PCB-1254		27			0.14		0.29
PCB-1260		2.1					
Curra nato		%Rec		Qualit	ier	Acceptance L	imits
Surrogate		Q1				60 - 154	
Tetrachloro-m-xyl DCB Decachlorol	ene biphenyl	90				65 - 174	

1/26/16

Job Number: 480-87854-2

Client Sample ID:	RWTEXC8.0				Data Som	nlad: 09/24/2015	1445
Lab Sample ID: Client Matrix:	480-87854-9 Solid	% Moistur	e: 5.2		Date San Date Rec	eived: 09/24/2015	1525
	8082A Polyc	hlorinated Bipheny	is (PCBs) by G	Sas Chroma	tography		
Analysis Method: Prep Method: Dilution: Analysis Date: Prep Date:	8082A 3550C 1.0 09/25/2015 1957 09/25/2015 0841	Analysis Batch: Prep Batch:	480-265589 480-265490	Instrur Initial Final N Injecti Resul	nent ID: Weight/Volume: Weight/Volume: on Volume: t Type:	HP6890-7 +2.46 g 10 mL 1 uL PRIMARY	
·	D. 144 O	ad V Result (	ma/Ka) (	Qualifier	MDL	RL	
Analyte	Dryvvt Correcte				0.042	0.21	
PCB-1016					0.042	0.21	
PCB-1221					0.042	0.21	
PCB-1232		0.10		1	0.042	0.21	
PCB-1242		0.15			0.042	0.21	
PCB-1248					0.10	0.21	
PCB-1254					0.10	0.21	
PCB-1260		1.3					
		%Rec		Qualifier	Accepta	nce Limits	
Surrogate	a name a state and a state of the	933	a e da e complete formada de la calenda de la calenda de la complete de presentamiente de presentaciones de la	a managana mina mangana pinana na dininga pinanana dina pina	60 - 154		
Tetrachloro-m-xy	iene	96			65 - 174	ļ	
DCB Decachloro	biphenyl	50					

# Analytical Data

Job Number: 480-87854-2

Client Sample ID:	RWTEXC10.5					1. 1. 00/04/004E 14	40
Lab Sample ID: Client Matrix:	480-87854-10 Solid	% Moisture	: 7.2		Date San Date Rec	eived: 09/24/2015 14	40 25
	8082A Polyc	hlorinated Bipheny	s (PCBs) by G	as Chroma	tography		
Analysis Method: Prep Method: Dilution: Analysis Date: Prep Date:	8082A 3550C 1.0 09/25/2015 2013 09/25/2015 0841	Analysis Batch: Prep Batch:	480-265589 480-265490	Instrur Initial Final V Injecti Result	nent ID: Weight/Volume: Neight/Volume: on Volume: t Type:	HP6890-7 +2.26 g 10 mL 1 uL PRIMARY	
a	Do/Mt Correcte	ed Y Result (n	ng/Kg) Q	ualifier	MDL	RL	1527
Analyte	Diywieconecia	ND			0.047	0.24	
PCB-1016		ND			0.047	0.24	
PCB-1221		ND			0.047	0.24	
PCB-1232		ND			0.047	0.24	
PCB-1242					0.047	0.24	
PCB-1248					0.11	0.24	
PCB-1254		0.13			0.11	0.24	
PCB-1260		0.15	Ŭ				
Surragato		%Rec	C	ualifier	Accepta	nce Limits	
Surrogale		98	nyyer ane we within a care to be attract in the end of the to a significant of		60 - 154		
DCB Decachlorob	biphenyl	103			65 - 174		

Job Number: 480-86459-1

Client Sample ID:	20150901-RB-1	
Lab Sample ID: Client Matrix:	480-86459-13 Water	Date Sampled: 09/01/2015 1545 Date Received: 09/01/2015 1702
	8082A Polychlorinated Biphenyls	(PCBs) by Gas Chromatography

	OUOZA FUIY	Smormated Dipitetty				
Analysis Method: Prep Method: Dilution: Analysis Date: Prep Date:	8082A 3510C 1.0 09/03/2015 1348 09/02/2015 1501	Analysis Batch: Prep Batch:	480-261839 480-261686	) In: 5 In: Fi In: Ri	strument ID: itial Weight/Volume: nal Weight/Volume: jection Volume: esult Type:	HP5890-12 265.6 mL 2 mL 1 uL PRIMARY
		Booult (		Qualifier	MDL	RL
Analyte	and the second		цу/ш)	Construction and the second	0 17	0.47
PCB-1016		ND			0.17	0.47
PCB-1221					0.17	0.47
PCB-1232		ND			0.17	0.47
PCB-1242		ND			0.17	0.47
PCB-1248		ND			0.24	0.47
PCB-1254		ND			0.24	0.47
PCB-1260		NU			0.2 1	
Currento		%Rec		Qualifier	Accepta	ance Limits
Surrogate	and a second of a second s	69	and a set of the set o	na optime optimiser i den som	24 - 13	7
l etrachloro-m-xy		48			19 - 12	5
DCB Decachloro	oiprienyi	40				

Job Number: 480-86925-1

Client Sample ID:	20150909-RB-1	
Lab Sample ID: Client Matrix:	480-86925-6 Water	Date Sampled: 09/09/2015 1220 Date Received: 09/09/2015 1345
	2082A Bolychlorinated Bint	nenvis (PCBs) by Gas Chromatography

	OUDER I OIJO						
Analysis Method: Prep Method: Dilution: Analysis Date: Prep Date:	8082A 3510C 1.0 09/11/2015 1044 09/10/2015 1408	Analysis Batch: Prep Batch:	480-263040 480-262898	) Inst 3 Initi Fina Inje Res	rument ID: al Weight/Volume: al Weight/Volume: action Volume: sult Type:	HP6890-7 268.7 mL 2 mL 1 uL PRIMARY	
		Bogult /		Qualifier	MDL	RL	
Analyte			·9/ ∟/		0 16	0.47	
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					0.23	0.47	
PCB-1254		ND			0.23	0.47	
PCB-1260		ND			0.20	2	
0		%Rec		Qualifier	Accepta	nce Limits	and the state of t
Surrogate		69		an Robert Consequences and a submitted a submitted	24 - 137		
Tetrachloro-m-xy		43			19 - 125	<b>j</b>	
DCB Decachloro	pipnenyi	40					

Job Number: 480-87764-1

## Client: AECOM Technical Services Inc.

## 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

		hlorinated Bipheny	ls (PCBs) by	Gas Ch	romatography	
Analysis Method: Prep Method: Dilution: Analysis Date: Prep Date:	8082A 3510C 1.0 09/25/2015 1312 09/24/2015 1502	Analysis Batch: Prep Batch:	480-265530 480-265375	)   5   1 	nstrument ID: nitial Weight/Volume: Final Weight/Volume: njection Volume: Result Type:	HP5890-12 260.9 mL 2 mL 1 uL PRIMARY
Analyte PCB-1016 PCB-1221 PCB-1232 PCB-1242 PCB-1248 PCB-1254 PCB-1260		Result (u ND ND ND ND ND ND ND	ıg/L)	Qualifie	r MDL 0.17 0.17 0.17 0.17 0.17 0.24 0.24	RL 0.48 0.48 0.48 0.48 0.48 0.48 0.48 0.48
Surrogate Tetrachloro-m-xy DCB Decachlorol	lene biphenyl	%Rec 75 52		Qualifie	er Accepta 24 - 133 19 - 125	ance Limits 7 5

Job Number: 480-88151-3

	8082A Polychlorinated Biph	enyls (PCBs) by Gas Chromatography
Lab Sample ID: Client Matrix:	480-88151-3 Water	Date Received: 09/30/2015 1800
Client Sample ID:	20150930-RB-1	Date Complet: 00/20/2015 1645

		• •				
Analysis Method: Prep Method: Dilution: Analysis Date: Prep Date:	8082A 3510C 1.0 10/02/2015 1806 10/02/2015 0939	Analysis Batch: Prep Batch:	480-266716 480-266633	S Ir S Ir F In F	nstrument ID: nitial Weight/Volume: inal Weight/Volume: njection Volume: Result Type:	HP6890-7 266.7 mL 2 mL 1 uL PRIMARY
		Result (i	ισ/L)	Qualifier	MDL	RL
Analyte			······································		0.16	0.47
PCB-1016					0 16	0.47
PCB-1221					0.16	0.47
PCB-1232		ND			0.16	0.47
PCB-1242		ND			0.16	0.47
PCB-1248		ND			0.10	0.47
PCB-1254		ND			0.23	0.47
PCB-1260		NU			0.20	
Currente		%Rec		Qualifie	r Accepta	ance Limits
Surrogate		78			24 - 13	7
Tetrachloro-m-xy		75			19 - 12	5
DCB Decachiorol	olprienyi	10				

Client Sample ID:	20151009-RB-1				
Lab Sample ID: Client Matrix:	480-88860-4 Water	Date Sar Date Re	npled: 10/09/2015 1600 ceived: 10/09/2015 1650		
	8082A Poly	chlorinated Bipheny	is (PCBs) by Ga	s Chromatography	
Analysis Method: Prep Method: Dilution: Analysis Date:	8082A 3510C 1.0 10/13/2015 2313	Analysis Batch: Prep Batch:	480-268582 480-268418	Instrument ID: Initial Weight/Volume: Final Weight/Volume: Injection Volume:	HP6890-7 271.9 mL 2 mL 1 uL

Prep Date:	10/13/2015 0903		Resu	ilt Type:	PRIMARY	
A		Result (ua/L)	Qualifier	MDL	RL	
Analyte		ND	and a second s	0.16	0.46	
PCB-1016		ND		0.16	0.46	
PCB-1221				0.16	0.46	
PCB-1232		ND		0.16	0.46	
PCB-1242				0.16	0.46	
PCB-1248				0.23	0.46	
PCB-1254				0.23	0.46	
PCB-1260		ND		0.20		
Surrogata		%Rec	Qualifier	Acce	ptance Limits	
Surroyate		50	and an an an addition passes in the second second property spin second	24 -	137	
DCB Decachlor	biphenyl	63		19 -	125	

Client Sample ID: Lab Sample ID: Client Matrix:	<b>20151013-RB-1</b> 480-88990-7 Water				Date San Date Rec	npled: 10/13/2015 1515 eived: 10/13/2015 1555
	8082A Polyc	hlorinated Bipheny	ls (PCBs) by G	ias Chromato	graphy	
Analysis Method: Prep Method: Dilution: Analysis Date: Prep Date:	8082A 3510C 1.0 10/15/2015 0427 10/14/2015 1143	Analysis Batch: Prep Batch:	480-268834 480-268653	Instrum Initial W Final W Injectior Result	ent ID: /eight/Volume: eight/Volume: n Volume: Гуре:	HP6890-7 264.3 mL 2 mL 1 uL PRIMARY
Analita		Result (	ıq/L) C	ualifier	MDL	RL
Analyle	· · · · · · · · · · · · · · · · · · ·	ND		n di na managina dan 2000 mana managina dan 🗰 dan	0.17	0.47
PCB-1010		ND			0.17	0.47
PCB 1221		ND			0.17	0.47
PCD-1232		ND			0.17	0.47
DCB 1242		ND			0.17	0.47
PCD-1240		ND			0.24	0.47
PCB-1260		ND			0.24	0.47
Surrogate		%Rec	(	Qualifier	Accepta	nce Limits
Tetrachloro-m-xvl		77	Berlaupensen an eine sone geschlichen ander eine sonen eine sonen eine die eine sone die sone sone die sone so		24 - 137	
DCB Decachlorot	piphenyl	54			19 - 125	

# ATTACHMENT B

Q.

# SUPPORT DOCUMENTATION

23

J. Projects/38395113/38395294 GE Tonawanda/Analytical/DUSR/Aug\_Oct 2015/DUSR for GE Property.docx

CHAIN OF CU	STOD	Y REC	ORD				AE	8	Z	
PROJECT NO.	SITE NAN GE 70	NE NAWAH		टाइव्ह इन्स् भाष			LAB 7557 COOLER	Ausel	5 -	
SAMPLERS (PRINT/SIGNATURE)	with By	7		3			PAGE			
DELIVERY SERVICE:	AIRBILL	.NO.:	L NO.# OF	SSH16Z			REMARKS	APLE TYPE	DING DING BINNING	HING SOULY
LOCATION DATE TIME 0 IDENTIFIER 6/20/5/5/6/5/6/	OMP/ BRAB 2004 CS-3 C	SAMPLE ID	MATRIX 50 L CON	PN 2 +1 -				W6 2	O'S O'	
								++-		
								+		
								+		+ + -
AA - ANBENT AR CONTRACTOR AA - ANBENT AR CONTRACTOR ACTION AND A - AND AND A - AND AND A - A	TE WW - WA	GE IKING WATER STE WATER	MG - GROUND WATE SO - SOIL SC - DRILL CUTTING		ACHATE ACHATE ML GAS RILLNG WATER	WO - OCEAN WATER WS - SURFACE WATER WQ - WATER FIELD QC	LH - HAZARDOU	S LIQUID WA	STE CT ON GW 1	ABLE
	RB# - RM 18# - RH# - RH# - RH#	ISE BLANK	N# - NORMAL ENVIE MS# - MATRIX SPIK	RONMENTAL SAMPL		UMBER (FROM 1 TO 9) TC	ACCOMMODATE MULTIF	ILE SAMPLE	S IN A SINGL	E DAY)
RELINQUISHED BY (SIGNATURE)	DATE TIN	RECEIVED	BY (SIGNATURE		DATE TIME	SPECIAL INSTRI	ICTIONS	ć		
RELINQUISHED BY (SIGNATURE)	DATE TIN	IE RECEIVED I	FOR LAB BY (	SIGNATURE)	DATE TIME	Melissa D	40 (47	ГÄ		
Distribution: Original accompanies sh	ipment, copy to	coordinator field	files			₩   	9			

GE

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### **Job Narrative** 480-85924-1

### **Revision I**

This report was revised to correct the sample received date.

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 Bu	ffalo		Jol	o No.: 4	80-8592	4-1		
SDG No.:								
Client Sample ID: CS-3(S	IDEWALL 0	.5)	Lal	b Sample	e ID: 48	0-85924-3		
Instrument ID (1): HP589	0-12		In	strument	ID (2)	: HP5890-1	2	
	/2015 15	• 02	Da	te Analv	yzed (2)	: 08/20/20	15 15:02	
Date Analyzed (1): 08/20	72013 13			Q - 1	- ()), 75		ד סי ס ד	3 (mm)
GC Column (1): ZB-5	ID:	0.25(mm)	GC	Column	(2): 28	- 55		<u> </u>
				RT WI	NDOW	CONCENTI	RATION	חספ
ANALYTE	COL	PEAK	RT	FROM	TO	PEAK	MEAN	KI D
DOD 1254	1	1	3.38	3.35	3.41	0.907	1.1	39.5
PCB-1234	-	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
FCB-1200		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		<u> </u>

AECOM	LAB JET HANNER COOLER   of	PAGE of	ING OULY D LOT NO.# ING ING INUNING INUNING REETY REET						in of Custody		ER LH - HAZARDOUS LIQUID WASTE TER LF - FLOATING/FREE PRODUCT ON GW TABLE OC	) 9) TO ACCOMMODATE MULTIPLE SAMPLES IN A SINGLE DAY)	STRUCTIONS DELLIGEORD	It. I have a start of set to	1 IT. Tomp 210+11
									480-86063 Chal		ATE WO - OCEAN WATE AS SURFACE WA NG WATER WATER PIELD	(# - SEQUENTIAL NUMBER (FROM 1 TC	ATE TIME SPECIAL INS HIG WOO HS CAT B	ATE TIME Prelluss	
,q:	-280 29 re10	844	ALL OF	KOTA CONT				 			4D WATER WL - LEACH 4D WATER WL - LEACH 3S - SOIL GA 3C - SOILLIA 3UTTINGS WC - DRILLIA	AL ENVIRONMENTAL SAMPLE Its spike	ATUBET DA	3 BY (SIGNATURE) D/	
ODY RECORI	SITE NAME SE JON A WANDA	Ver	AIRBILL NO.:	SAMPLE ID MATRIX	CS-6 (STOR WALLONS) 50						L - SLUDGE - M - A - A - A - A - A - A - A - A - A	RB# - FINSE BLANK N# - NORM FR# - FIELD REPLICATE MS# - MATR	TE TIME RECEIVED BY (SIGN	TE TIME RECEIVED FOR LAE	t, copy to coordinator field files
IN OF CUST		RINA/SIGNATURE)	Dung all	DATE TIME COMP/ GRAB	21/15 1255 GAM						AA - AMBIENT AIR SE - SEDIMENT CL. USACHORINE COLINIAASTE	TB# - TRIP BLANK TB# - MATTRIX SPIKE DUPLICATE	HED BY (SIGNATURE) DAT	HED BY (SIGNATURE) DAT	Original accompanies shipmem
CHA	PROJECT NO.	SAMPLERS (PI	DELIVERY SEI	LOCATION	عن						MALENC	U CLARKE	RELINQUISH	RELINQUISH	Distribution:

### **Job Narrative** 480-86063-1

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.

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 Buf	falo		Jol	b No.: 4	80-8606	3-1		
SDG No.:								
Client Sample ID: CS-6 (S	SIDEWALL	0.5')	Lal	b Sample	e ID: 48	0-86063-1		
Instrument ID (1): HP5890	)-12		In	strument	ID (2)	: HP5890-1	2	
Date Analyzed (1): 08/24/	/2015 14	:01	Da	te Analy	yzed (2)	: 08/24/20	15 14:01	
GC Column (1): ZB-5	ID:	0.25(mm)	GC	Column	(2): ZB	-35	ID: 0.5	3 (mm)
				RT WI	NDOW	CONCENTI	RATION	חמפ
ANALYTE	COL	PEAK	RT	FROM TO		PEAK	MEAN	KF D
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		

(HPIMS ONLY) ŧ ١ ( ι L , t ¢ (# - SEQUENTIAL NUMBER (FROM 1 TO 9) TO ACCOMMODATE MULTIPLE SAMPLES IN A SINGLE DAY) #.ON TOJ QJER LH - HAZARDOUS LIQUID WASTE LF - FLOATING/FREE PRODUCT ON GW TABLE 9 07 0-1 0-1 0-1 0-1 0.1 01 ور م م م 0-1 0-1 10 DEPTH (IN FEET) 0-1 0-1 0.1 9 0505 Temp 417 3 leth TEST AMARICA ENDING AECOM ¢ 1.0 0.1 2 DEPTH (IN FEET) BEGINNING ? ò ۱ is Lab PM Rβ 2 2 Z 2 2 2 2 2 2 2 ъ **BRARE TYPE** 2 2 ъ Jelsverade REMARKS COOLER SPECIAL INSTRUCTIONS Deyo T.A.7-PAGE R CATB WO - OCEAN WATER WS - SURFACE WATER WQ - WATER FIELD QC Melissa 3 Day ASP GEN. TIME TIME WL - LEACHATE GS - SOIL GAS WC - DRILLING WATER F/1615 DATE DATE N# - NORMAL ENVIRONMENTAL SAMPLE MS# - MATRIX SPIKE 98 999 194 4994 175898 197898 19141 1781 7.80B 59A 2 RECEIVED FOR LAB BY (SIGNATURE) 55416-20+ 5 WG - GROUND WATER SO - SOIL DC - DRILL CUTTINGS TOTAL NO.# OF CONTAINERS RECEIVED BY (SIGNATURE) 9 CHAIN OF CUSTODY RECORD ଷୁ MATRIX R 3 R 20 R 30 20 200 2 R R  $\hat{\mathbf{y}}$ Distribution: Original accompanies shipment, copy to coordinator field files Tonawanda (5-13 (Bollom 1.0°) CS-8 (SiDEWALL 0.5' G9 GIDENAUL LO. CHA CS- H SIDEWILL OK CS-12 (Bottom 1.0') CS-11 (Bottom 1.0) 35-17(Bottom 1.0 CS-15 CBottom L.O. C-10 (Bottom 1.2) (S-14 (Bollow 1.0' S-16 (Boton 1.0") CS-10 (Bottom 10' 20150901-128-1 RB# - RINSE BLANK FR# - FIELD REPLICATE SL - SLUDGE WP - DRINKING WATER WW - WASTE WATER SAMPLE ID AIRBILL NO .: -SITE NAME 11702 TIME **JIMIT** 61/16 DATE DATE COMP/ GRAB 4 V TB# - TRIP BLANK SD# - MATRIX SPIKE DUPLICATE AA - AMBIENT AIR SE - SEDIMENT SH - HAZARDOUS SOLID WASTE (hh 1545 1243 12.58 (238 1240 1304 izus たち 1253 <u>1730</u> 1235 1232 TIME 1981 RELINQUISHED BY (SIGNATURE) RELINQUISHED BY (SIGNATURE) low / SAMPLERS (PRINT/SIGNATURE) alib DATE Urber √ CODES -SAMPLE' PROJECT NO. 25 LOCATION 102

- 5-5-98-084

GE Proput

CUAIN OF CIISTODY RECORD			AECO	X
			a The What	1.4
PROJECT NO. STEE NAME WANDA	480-86459 Chain	of Custody	DOLER / of	
SAMPLERS (PRINT/SIGNATURE)			PAGE 2 of	2
Jan Urban / Yan Uw				
Drep of vincent NO.	A-726 SSA / LE SH3		BEMARKS	NG NG NG NG NG NG NG NG NG NG NG NG NG N
	374 2 2 2		and/	SWIG 71 01 9 H1G 9 H1G 9 H1G
LOCATION COMP/ COMP/ SAMPLE ID MATRIX	s Con Con		VAS	
9/1/15 1330 (244 CS-20 (botim 10)) Se			2	1.01.01
1220 1 K-20/Hallon 1.0 MK SO			SM	[10 120 -
1320 A: -20 (Bation (2) 150 SO			æ	1.0 1.0
12-21 re-27 horrow 10' Sh			2	1.0 KO C
13th A 22(1,05 while 8.5) 50			Z	05005
isite of a deater in Sin				1.010
1242 (240) 25-24(124) 20 Sol			2	- 01 01
V V V V V V V V V V V V V V V V V V V			N	0.50.5
05 ( 50 mm 2/2 24-5) (20)			N	1.0 6.0 -
1 1 1 2 2 2 2 1 ( 2 2 2 1 ( 2 2 1 2 2 2 2			2	1.0 4.0 -
1,200 1000 1000 1000 1000 1000 1000 1000			2	0505
1 1403 1 22 20 200 10 5 1 20			2	0505-
AA - AMBIENT AIR AA - AMBIENT AIR SL - SILIDGE AA - AMBIENT AIR SL - SILIDGE AA - AMBIENT AIR AA	ATER WL - LEACHATE ATER WL - LEACHATE GS - SOIL GAS NGS WC - DRILLING WATER	WO - OCEAN WATER WS - SURFACE WATER WQ - WATER FIELD QC	LH - HAZARDOUS LIQUID WAS LF - FLOATING/FHEE PRODUC	TE T ON GW TABLE
SH-FHZARDOUGS SOUL WASTE WITT THE FILL THAT AND	INRONMENTAL SAMPLE (# - SEQUENTIAL SINCE	NUMBER (FROM 1 TO 9) TO	ACCOMMODATE MULTIPLE SAMPLES	IN A SINGLE DAY)
	RE) DATE TIME	SPECIAL INSTRU	CTIONS	
RELINQUISHED BY (SIGMIUHE) HAVE INTEL INTEL AND	Tet 1/21/1/1			
RELINQUISHED BY (SIGNATURE) DATE TIME RECEIVED FOR LAB B	(SIGNATURE) DATE TIME			
			Temo 4173	。 (0井)
Distribution: Original accompanies shipment, copy to coordinator field files			h 1	-

### 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.

	AECOM	LAB 7557 HAVENCA COOLER ( of )	PAGE ( of /	NIME ONTA) D TOL NO * D TOL NO * DING ILH (IN LEEL) ILH (I		N 1.010	N 1.0 1.0 -				LH - HAZARDOUS LIQUID WASTE LF - FLOATING/FREE PRODUCT ON GW TABLE	TO ACCOMMODATE MULTIPLE SAMPLES IN A SINGLE DAY)	auctions In Eyo Lab In	× 1. m. r	o use 11 vousare	
										480-86752 Chain of Custody	WO - OCEAN WATER WS - SURFACE WATER WG - WATER FIELD QC	SEQUENTIAL NUMBER (FROM 1 TO 9)	TIME SPECIAL INSTR- 0334 McLLSSA D	TIME 304	H-20 OF1-1	
		4 28G		о # о Ю. Кајиећа Ина С.	2 J -			,			ID WATER WL - LEACHATE B WATER WL - LEACHATE GS - SOIL GAS WC - DRILLING W	LL ENVIRONMENTAL SAMPLE (# - IX SPIKE	ATURE) DATE 7/4/13	BY (SIGNATURE) DATE	N.() 10/	
tr.	Y RECORI	Ton A- way NOH		L NO:	SAMPLE ID MATRIX	H (Pallon 1:0) 50	(Chatton 1.0) SU				DGE WATER SO'- SOIL STE WATER DC- DHILL C	NSE BLANK N# - NORMA ELD REPLICATE MS# - MATR	AE RECEIVED BY (SIGN	AL RECEIVED FOR LAB	o coordinator field files	
GE Rap	F CUSTOD	M 3 ES	Flerst ton	ARBIL	TIME COMP/ GRAB	835 64 (S-3) 839 200 10-20	1845 Gun (5-3:				ALR SOLD WASTE WW - WA	LANK RB# - FI X SPIKE DUPLCATE FB# - FI	TINE) DATE TIN	TINE) DATE TIN	mpanies shipment, copy t	
	CHAIN OI	PROJECT NO.	SAMPLERS (PRINT/SIGNATUR	DELIVERY SERVICE:	LOCATION IDENTIFIER DATE	a14115 C	a/4/15 0				A - AMBIENT A - AMBIENT SE - SEDIMEN	SAMPLE TB# TB# TRIP BL	RELINQUISHED BY (SIGNA	RELINQUISHED BY (SIGNA	Distribution: Original accol	

### **Job Narrative** 480-86752-1

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.

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

AECOM	PAGE / of /	LET D LOT NO.# (RPIMS ONLY) BEGINNING DEFTH (IN FEET) SAMPLE TYPE FIELD LOT NO.# (RPIMS ONLY) BEGINNING DEFTH (IN FEET)			480-86925 Chain of Custody	WATER LH - HAZARDOUS LIQUID WASTE E WATER LF - HOATINGFREE PRODUCT ON GW TABLE FIELD OC 1 TO ALCOMMODATE MULTIPLE SAMPLES IN A SINGLE DAY)	LAY T.A.T. LAY T.A.T.A. SA Deyo Cab Pan CAT. B deluridadie	
CHAIN OF CUSTODY RECORD	PROJECT NO. SITE NAME CONGLUED CONCERNING CO	DELIVERY SERVICE: DATE ARBILL NO.: DELIVERY SERVICE: DELIVERY SERVICE: DELIVERY SERVICE: COMPI SAMPLE ID MATHIX TOTAL OF AREA OF AND ARBILL NO.: DELIVERY SERVICE: DATE ARBILLA SERVICE: DATE ARB	DENTIFIER PATE TIME GHAB SAMPLED 9/9/1/5 6900 64440 CS-36 (BOTTOM 1.0') 50 1 1 09.09 16 75-39 (BOTTOM 1.0') 50 1 1	0928 C-37(Bottom/10') 50 / 1 0928 C-37(Bottom/10') 415 S0 / 1 0928 C-39(Bottom/10') 4150 S0 / 1 	2 2 2 × 1-8×-0005102 1 0221 1	MA-AMBIENT AIR SL-SLUDGE WG-GROUND WATER WG-CEROUND WATER   MA-AMBIENT AIR WP-DRINKING WATER WG-GROUND WATER WG-GROUND WATER   MA-AMBIENT AIR WP-DRINKING WATER WG-GROUND WATER WG-GROUND WATER   MA-AMBIENT AIR WP-DRINKING WATER WG-GROUND WATER WG-WATER   MA-AMBIENT AIR WP-DRINKING WATER WG-GROUND WATER WG-WATER   MA-AMBIENT AIR WP-MASTE WW-WASTE WG-GROUND WATER   MA-AMBIENT AIR WA-MASTE WM-WASTE WG-GROUND WATER	The control The Fire BLANK   RELINQUISHED BY (signarture) Date TIME RECEIVED BY (signarture) Date TIME SPECIAL   RELINQUISHED BY (signarture) Date TIME RECEIVED BY (signarture) Date TIME SPECIAL   RELINQUISHED BY (signarture) Date TIME RECEIVED FOR LAB BY (signarture) Date TIME RECIAL   RELINQUISHED BY (signarture) Date TIME RECEIVED FOR LAB BY (signarture) Date TIME RECIAL   Distribution: Original accompanies shipment, copy to coordinator field files Distribution: Distribution: Date Time MAR	#1 3rd.

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09/14/2015

### **Job Narrative** 480-86925-1

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.

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 But	falo		Job No.: 480-86925-	1								
SDG No.:			and we are supported by the statement of the									
Client Sample ID: CS-37 H	BOTTOM 1.0	)	Lab Sample ID: 480-	86925-2								
Instrument ID (1): HP689	)-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-3	5	ID: 0.53	(mm)						
			RT WINDOW	CONCENTRAT	ION	RPD						
ANALYTE	COL	FROM TO	PEAK	MEAN								
				0 120	0 12	3.7						

1111111111				TROM	10	1		
DCB 1260	1	2	4.93	4.90	4.96	0.138	0.12	3.7
PCB-1200		4	5.71	5.68	5.74	0.152	1000 - 10000 - 1000 - 1000 - 10000 - 10000 - 10000 - 10000 - 10000	
	2	2	4.61	4.58	4.64	0.159	0.12	
		4	5.40	5.37	5.43	0.117		
					also site			

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AECOM	LAB Test America COOLER ) of ]	PAGE 1 of 1	RIME ONLY) DI LOT NO.# NING NING NING NINUNG NINUNG NINUNG NINUNG NING NI		3 DAY TAT N. 1.5 1.5 -	3 04Y TAT N, 03 43	3 DAY TAT N, 0.2 U-3	3 DAY TAT N, 10 1.0 -	24 hr TAT N, 10 [.0	3-4 hr TAT No 1.0 40-	24hr TAT N, 10 40 -			ustody	LF - FLOATING/FREE PRODUCT ON GW TABLE	) ACCOMMODATE MULTIPLE SAMPLES IN A SINGLE DAY)	uctions a Deyo Lab PM			
	23 QB		ऽ <i>ऽ</i> च। १	2°h										480-87000 Chain of C	W LEACHATE WO - OCEAN WAIEN GS - SOIL GAS WATEN WC - DRILLING WATEN WQ - WATEN FIELD OC	UMENTAL SAMPLE (# - SEQUENTIAL NUMBER (FROM 1 TO 9) TI	DATE TIME SPECIAL INSTR 9 /16/11/11/12	INATURE) DATE TIME		1 1.100
TODY RECORD	SITE NAME GE TOAQUIONDA	the	AIRBILL NO.: NIA	IP/ BAMPLE ID MATRIX P 00	L CS-31 A (B. Hun 1.5') 50 1	6 CS-47(5)dener 0.5) 50 1	ab CS- 46(5:demail 0.5) SO 1	1 CS-51 (Battom 1-0) 50 1	(b CS-50(Bettern 1.0) 50 1	1 05 (or 1 landers) 20 1	2 b <5-49(522-4211 10) 50 1				SL - SLUDGE WG - GROUND WATER WP - DRINKING WATER SO - SOIL WW - WASTE WATER DC - DRILL CUTTINGS	RB# - RINSE BLANK N# - NORMAL ENVIRON FR# - FIELD REPLICATE MS# - MATRIX SPIKE	DATE TIME RECEIVED BY (SIGNATURE)		Ant. conv to coordinator field files	
CHAIN OF CUS	PROJECT NO.	SAMPLERS (PRINT/SIGNATURE)	DELIVERY SERVICE: Drop 0 44	LOCATION COM IDENTIFIER DATE TIME GRA	a/10/15 1120 (20	a/10/15 1125 6m	9/10/15 1130 Ga	910/15 1135 Gr	giplis 1140 Gr	9/10/15 1145 GA	9/10/15 [[50 6.				AA - AMBIENT AIR SE- SEDIMENT SE- SEDIMENT SH - HAZARDOUS SOUD WASTE	RANGER AND TER TRIP BLANK	RELINQUISHED BY (SIGNATURE)	RELINQUISHED BY (SIGNATURE)	Ainterinal accompanies shipm	

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#### **Job Narrative** 480-87000-1

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

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.

AECOM	Test America 1 COOLER 1 of 1	PAGE of	U LOT NO.# Th (IN FEET) In (IN FEET) In (IN FEET) PLE TYPE RKK RKK RKK RKK RKK RKK RKK RKK RKK RK	AMAS DEP DEP DEP DEP DEP DEP DEP DEP DEP DEP	3 DAY THT N. 5050 -	N 5:03.0 -	N 5:5 5:5 1	N 5:0 0.5	V N 1.0 1.0 -	24 hr TAT Nr 1010 -	3 DAY TAT N, 1.0 1.0 -	24 hr TAT NI 1.0 LO -	24 hr FAT M, 1.0 1.0	24 Lr TAT MS 1.0 1.0 -	24 hr TAT DU, 101.0	24 hr TAT Nº 1.0 60 -	3 DAY TAT N, 10 10 -	ER LF - FLOATING/FREE PRODUCT ON GW TABLE VIER LF - FLOATING/FREE PRODUCT ON GW TABLE 3 OC	0 9) TO ACCOMMODATE MULTIPLE SAMPLES IN A SINGLE DAY)	STRUCTIONS	)		
	480-87764 Chain of Custody		-50,10															WL - LEACHATE WO - OCEAN WAT GS - SOIL GAS WS - SURFACE W WC - DRILLING WATER FIEL	171 SAMPLE (# - SEQUENTIAL NUMBER (FROM 1 7)	VIJIICHUAD M			7,6 \$(
<b>FODY RECORD</b>	SITE NAME GE TOATWARDER			SAMPLE ID MATTRIX	y cs-52 (Bottom 5.0) So 1	4 cs-53 (Botton 5.0) 50 1	5 cs-54 (betton 5.5) 50 1	b (5-55 (Batter 5.3) So 1	b rs-ste (bettom 1,0) 50 i	b cs-57 (bottom 1.0) 50 (	4 (23-55 (Bestern 1,0) 50 1	4 cs-57 (Bettern i.c) 50 1	1 cs-62 (Betternic) 50 1	, cs-62 (Bertem Le)ns 50 1	1 CS-ischartania) 20 1	5 C5-65 (Boston 12) 50 1	5 cs- 66 (sidemall 10) SO 1	SL - SLUDGE WG - GROUND WATER WP - DRINKING WATER SO - SOIL WW - WASTE WATER DC - DRILL CUTTINGS	RB# - RINSE BLANK N# - NORMAL ENVIRONME) FR# - FIELD REPLICATE MS# - MATRIX SPIKE	ATE TIME RECEIVED BY (SIGNATURE)	ATE TIME RECEIVED FOR LAB BY (SIGNAT	int, copy to coordinator field files	
CHAIN OF CUST	PROJECT NO.	SAMPLERS (PRINT/SIGNATURE)	DELIVERY SERVICE: Drop off	LOCATION DATE TIME COMP.	9/18/15 1720 Cra	9/18/15 1730 CM	9/18/15 1758 Gra.	Prod Litt Siley	9/23/15/ 1042 6m	9/23/15 1046 6m	9/23/15 1050 6m	alzitist 1054 600	a/2)15 (20)	7/23/15 11 15 Gray	al 11 15 Car	9(23)(y 1130 6m	a (23/1 11 35 6m		A SAMA DE LE A TARP BLANK A SAMA DE LE A TARP BLANK SD# - MATRIX SPIKE DUPUCATE		RELINQUISHED BY (SIGNATURE) D.	Distribution: Original accompanies shipme	

09/28/2015

#### **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.

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

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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 Bu	ffalo		Jol	o No.: 4	80-8776	4-2									
SDG No.:															
Client Sample ID: CS-62	(BOTTOM 1	.0)	Lal	Lab Sample ID: 480-87764-9											
Instrument ID (1): HP689	0-7		In	strument	: ID (2)	: HP6890-7									
Date Analyzed (1): 09/24	/2015 13	:35	Da	Date Analyzed (2): 09/24/2015 13:35											
GC Column (1): ZB-5	ID:	0.53(mm)	GC	GC Column (2): ZB-35 ID: 0.53(mm)											
				RT WI	NDOW	CONCENT	RATION	חספ							
ANALYTE	COL	PEAK	RT	FROM	TO	PEAK	MEAN								
PCB-1248	1	1	3.61	3.57	3.63	2.19	2.4	47.9							
105 1210		2	3.81	3.78	3.84	2.31									
	1	4	3.99	3.96	4.02	2.82									
	2	1	3.24	3.22	3.28	2.52	4.0								
۴ -		2	3.49	3.46	3.52	3.28									
1		3	3.53	3 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							
100 1200	-	2	4.93	4.90	4.96	15.6									
1		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 Buf	falo		Jol	o No.: 4	80-8776	4-2								
SDG No.:						and and the statement descent of the state o								
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: 0.5	3 (mm)						
			50	RT WI	NDOW	CONCENT	RATION	RPD						
ANALYTE	COL	PEAK	K1	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		5						
PCB-1260	1	1	4.70	4.67	4.73	53.5	55	25.3						
	1	2	4.93	4.90	4.96	60.5								
		3	5.46	5.43	5.49	50.4								
0		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								
	I	3	5.06	5.03	5.09	64.0								
		4	5.40	5.37	5.43	64.4								

2-/1-2248-98th	Econ Cranto of Custody	COOLER 1 of 1	PAGE   of	REMARKS MARKS MARKS MARKS FETH (IN FEET) FETH (IN FEET) FETH (IN FEET) FETH (IN FEET)	3 DAY TAT N, 1010 -	N, 1.5 LS - > - 1	N, 1.5 1.5 -	N, 0.5 0.5 -	N, D.50.5 -	24 hr TAT N, 5050->-2	24 hr TATN, 10.5 10.5 - 1	WO - OCEAN WATER LH - HAZARDOUS LIQUID WASTE WS - SURFACE WATER LF - FLOATING/FREE PRODUCT ON GW TABLE WQ - WATER FIELD QC	12. NUMBER (FROM 1 TO 9) TO ACCOMMODATE MULTIPLE SAMPLES IN A SINGLE DAY)	Melizar Devo - leb PM		
	CHAIN OF CUSTODY RECORD	PROJECT NO. SITE NAME 6 E TONE WEAR 0 0	SAMPLERS (PRINT/SIGNATURE)	DELIVERY SERVICE: Drop Ore AIRBILL NO N/A OF OF AIRBILL NO.: N/A OF OF	LOCATION DATE TIME COMP/ SAMPLE ID MATHIX PR TO PATHIC PAGE COMP/ SAMPLE ID MATHIX PR TO PATHIC PAGE PAGE PAGE PAGE PAGE PAGE PAGE PAGE	<u>alaylo 1305 6mb cs-69(sidewill 15) 50 1 1</u>	9/24/15 1255 Grab cs-71 (sidewall (15) 50 1 1	9/24/15 [247 Grab (5-42 [5:dewall 15] 50 1 1	9/24/15 1314 6rab c5-74 (sidewill 03)50 1 1	9/24/15 1317 6ab c5-75 (Botten LO) 20 1 1 abulic 1445 Leab 0 WTF x - 8.0 50 1 1	abylis 1448 Gab RWTEXE-102550 1 1	AA - AMBIENT AR SL - SEDIMENT AR SL - SEDIMENT AR SL - SEDIMENT AR WP - DRINKING WATER WP - DRILLING WATER WP - MARTER WP - MART	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	RELINQUISHED BY (SIGNATURE) DATE TIME RECEIVED BY (SIGNATURE) DATE TIME TOW CHELLINQUISHED BY (SIGNATURE) DATE TIME RECEIVED OR LAB BY (SIGNATURE) DATE TIME RELINQUISHED BY (SIGNATURE) DATE TIME, RECEIVED OR LAB BY (SIGNATURE) DATE TIME	Distribution: Original accompanies shipment, copy to coordinator field files	14 1 <sup>2</sup>
#### Job Narrative 480-87854-1

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.

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

# Job Narrative 480-87854-2

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.

480-87954 Chain of Custody LAB TEST Arerice COOLER [ of ]			3 044 TAT N1 2020 - 1.0	24hr TAT N1 1.5 15 - 24hr TAT N1 1.5 1.5 -	WO - OCEAN WATER WO - OCEAN WATER WAS - SURFACE WATER WO - WATER FIELD QC WQ - WATER FIELD QC MABER (FROM 1 TO 9) TO ACCOMMODATE MULTIPLE SAMPLES IN A SINGLE DAY)	special instructions delizza leyo - Iab PM
CHAIN OF CUSTODY RECORD	SAMPLERS (PRINT/SIGWATURE) Tom Urban) Tom Uh-	DELIVERY SERVICE: VE AIRBILL NO.: VE ZIX LOCATION DATE TIME COMP/ SAMPLE ID MATTHIX POO 1 1 1 1 0	9/2/15 1250 6mb (5-9/ (20/100) 50 1 1 1. U. 9/25/15 1220 6mb (5-9A (5:200(120) 50 1 1)	9/25/15 1050 6mb 00-02-02 Mallerin 20 1 1 9/25/15 1045 6mb 05-24A (better 1.5) 50 1 1 9/25/15 1050 6mb 05-25A (better 1.3) 50 1 1	Mathematical M	RELINQUISHED BY (signature) Reserved Relind Reserved Relind Date Time Signature   ReLINQUISHED BY (signature) Date Time Received BY (signature) Date Time Signature   Image: Time Signature Date Time Received BY (signature) Date Time Signature   Image: Time Signature Date Time Received BY (signature) Date Time Signature   Image: Time Signature Date Time Received BY (signature) Date Time Signature   Image: Time Signature Date Time Received FOR LAB BY (signature) Date Time Signature   Image: Time Signature Date Time Received FOR LAB BY (signature) Date Time Signature   Image: Time Signature Date Time Received FOR LaB BY (signature) Date Time Signature

10/01/2015

### **Job Narrative** 480-87954-1

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

# Job Narrative 480-87954-2

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**

AECOM	LAB (25) AMENCA COOLER ( of )	PAGE / of /	ED FOL IO* ED FOL IO* BILH (IN FEET) DING MPLE TYPE ARK ARK ARK ARK ARK ARK ARK ARK ARK ARK	8 3 day TAT N 05 05 -	1 0-2 0-7 ·			. 0.1 0-1 N	- 0.1 0.1 N		249 m Tar N 5 5 .	24 hr 795 N 5 5 -	24 IM TAT N 5555	24M. 189 N 5 5	24m. Tut R	- OCEAN WATER LH - HAZARDOUS LIQUID WASTE - SURFACE WATER LF - FLOATING/FREE PRODUCT ON GW TABLE - WATER FIELD GC	ER (FROM 1 TO 9) TO ACCOMMODATE MULTIPLE SAMPLES IN A SINGLE DAY)	PECIAL INSTRUCTIONS	Williss DEgo Lob PM			
	WignDA PC	POTHER PROFESSE	AL NO.# OF	MATHIX LOUV		1 1 05 (00)	( <i>ac</i> ) <i>50</i> / (	or) 20 /		2	11 20 1 1	1 1 2 2	1 1 05 (50)	15.0 50 1 1		WI - LEACHATE WO WG - GROUND WATER WL - LEACHATE WO SO - SOIL DC - DRILL CUTTINGS WC - DRILLING WATER WO	N# - NORMAL ENVIRONMENTAL SAMPLE (# - SEQUENTIAL NUMBI MAS# - MATTAX SPIKE	EIVED BY (SIGNATURE) DATE TIME SF	EIVED FOR CAR BY (SIGNATURE) DATE TIME	or field files	14 .0	
N OF CUSTODY RE	SITE NAME	TISIGNATURE) SPLIGT Band	NCE AIRBILL NO .:	DATE TIME COMP/ SAMPLE ID	0455 6404 (S-81 (S:02 WH)	10-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0-	1320 (5-34(510Ewall	138 C3-895(10EWall)	mailed H-SD StEl	1.1.1 & V-7+Ullow	1020 2 20 20 20	10000 00000 11 10000 11 10000 10000 100000 100000 1000000	16.05 PC-091(10500-1	11 . 1 12-09/2.06/2.06/2.06/2.06/2.06/2.06/2.06/2.06		A - AMBIENT AIR A - AMBIENT AIR SE- SEDMENT SE- SEDMENT WW - MASTE WASTE WATER		D BY (SIGNATURE) DATE TIME VERE	D BY (SIGNATURE) DATE TIME RECE	riginal accompanies shipment, copy to coordinate		
CHAI	PROJECT NO.	SAMPLERS (PRI	DELIVERY SER	LOCATION IDENTIFIER												() an exc		RELINOUISHE	RELINQUISHE	Distribution: C		

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09/29/2015

#### **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.

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**

AECOM	COOLER 1 of 1	PAGE of	RPIMS ONLY ELD LOT NO.# PDING RPINING MPLE TYPE MPLE TYPE MPLE TYPE	24 M. TAT N 15 1.5 ~	24 hr THT MS 1:5 (13 -	3d# TBT N 15 1.5 - 0	3day TAY N Distor	3 day TPAT 18		E: Chain of Custody	HI-HAZARDOUS LIQUID WASTE LF- FLOATINGFREE PRODUCT ON GW TABLE	I TO ACCOMMODATE MULTIPLE SAMPLES IN A SINGLE DAY)	RUGHTONS [45 Pm	24 M 141 About	[femp zio本]
	18 9 ¥ 14 10 17 18 18 18		Soly Gray The C SSOLGZ	104 105 10 10		12		7			WI - LEACHATE WO - OCEAN WATER BS - SOIL GAS WC - DRILLING WATER WO - WATER FIELD O WC - DRILLING WATER WO - WATER FIELD O	ENTAL SAMPLE (# - SEQUENTIAL NUMBER (FROM 1 TO 9	DATE TIME SPECIAL INST Melics.	ADDATE TIME NO 12 DATE TIME	
STODY RECORD	SITE NAME			MP/ SAMPLE ID MATTHIX PG 3 AB CS-SQA (Ballon /5) SO (	of CS-S9ACBOTTON 1.5) MS SO 1	H CS-S9A(Bollion 115) MSP >0 1	the material state of the	44 20150930-RB-1 WQ Z			SL - SLUDGE SL - SLUDGE WP - DRINKING WATER WV - WASTE V/ATER DC - DRILL CUTINGS	RB# - RINSE ELANK N# - NORMAL ENVIRONME FR# - FIELD REPUGATE MS# - MATRIX SPINCE	DATE TIME RECEIVED BY (SIGNATURE)	DATE TIME RECAVED FOR LAD BY (SIGN	ment, copy to coordinator field files
CHAIN OF CUS	PROJECT NO.	SAMPLERS (PRINT/SIGNATURE)	Deg g	LOCATION DATE TIME CO IDENTIFIER DATE TIME CR	100 111 SI (200 6/10	9 30/15 (420 Car	A 150/15 1000	21 7130115 117 12 64			AA - AMBLENT AIR AA - AMBLENT AIR SE - SEDMENT SH - HAZARDOUS SOLID WASTE	K C C A C C C C C C C C C C C C C C C C	RELINQUISHED BY (SIGNATURE)	RELINQUISHED BY (SIGNATURE)	Distribution: Original accompanies ship

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10/06/2015

### Comments

No additional comments.

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**

#### 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.

AECOM	LAB TEST America	COOLER of J	Article and a second a sec				24hr 7AT Ni 55555	N 1.5 1.5	N, 1.5 1.5 -	N 15 1.2	- 12 r2 r2 r2 r	N, 12:013:0	N, 12.0 12.0	N, 12.0 /20	N, V2.0 120	N, 12:0/20	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	LH - HAZARDOUS LIQUID WASTE LF - FLOATING/FREE PRODUCT ON GW TABLE	480-88271 Chain of Custody	DATE TIME SPECIAL INSTRUCTIONS D/1/15-16/70 Melissa Jeyo-1-6 PM	DATE TIME	
58	100	308		<b>62</b>	53.0 519 SHENIA 1 NO.# 0	тот гиоэ гН	1	-	1 1					-	-	~	-	WATER	ENVIRONMENTAL	URE	3Y (SIGNATURE)	
DY RECORD	T NAMF	E Toneworda				SAMPLE ID MATRIX	5-91/5:dewall 5.5) 50	5-92 (Sidewall 1-5) 50	5-93(5:Jewall 1.5) 50	5-94(5;dewall 1.5) 50	5-95(Sidewall 1.5) 50	5-910 (5, down ) 12.0) 50	5-97 (bottom 12.0) SO	5-98/betamizo) so	5 - 99 (5. denal 12.0) 50 - 2	5-100(sidewall 12.0) 50	5-101 (sidewall to 3	L - SLUDGE W - SLUDGE W - UNDREW ATER W - UNDREWATER W - UNDREWATER W - DRIVIOUE	18# - RINSE BLANK N# - NORMAL E 18# - RINSE BLANK N# - NORMAL E 17# - FIELD REPLICATE MS# - MATRIX S	TIME RECEIVED BY (SUBJURT	TIME RECEIVED FOR LAB B	field files
F CUSTO		5	1E) D. D.		rop Off AI	COMP/	1200 Carb (9	1400 622	1415 6mb C	1420 6rab (	1425 Grap C	1549 Grap C	1555 Grab C.	ISSS Grab C	1605 Gab C	1615 Grab C	1620 Gab C.	IT AIR	DOUS SOLID WASIE W BLANK BLANK R	ATURE) DATE	ATURE) DATE	
CHAIN O		COJECI NO.	AMPLERS (PRINT/SIGNATUF	TOM VIEWA/1	IELIVERY SERVICE:	LOCATION	DENTIFIER DATE		in li hr	Sullici	541101	Suiloi	iolilis	10/1115	iolitis	100 his	10/115	AA AMBIEN	SCODES BH-HAZAR	RELINQUISHED BY (SIGN	RELINQUISHED BY (SIGN	

10/07/2015

#### Comments

No additional comments.

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**

#### **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**

# FORM X IDENTIFICATION SUMMARY

Lab Name: TestAmerica Bu	falo	Job No.: 480-88355-1
SDG No.:		
Client Sample ID: CS-103	(SIDEWALL 5.0)	Lab Sample ID: <u>480-88355-2</u>
Instrument ID (1): HP589	0-12	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 WINDOW CONCENTRATION RPD

ANALYTE	COL	PEAK	RT	FROM	TO	PEAK	MEAN	
				Inom				
PCB-1260	1	1	4.17	4.14	4.20	1.38	1.2	5.2
100 1200		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

			i arget	Compound	Quantitation	Report			
Data Fi Lims ID Client II Sample	le: ): D: Type:	\\Chror 480-88 CS-103 Client	mNA\Buffal 355-A-2-A 3 (SIDEWA	o\ChromDa LL 5.0)	ita\HP5890-1 Lab	2\20151005- Sample ID:	46918.b\12_3 480-8835	346_026.D 5-2	
Inject. ( Injectio	Date: n Vol:	05-Oct 1.0 ul	-2015 16:1	5:22	ALS Dil. 1	Bottle#: Factor:	0 1.0000	Worklist Smp#:	19
Operate	or ID:	buftch	rom		Instr	ument ID:	HP5890-1	12	
Method	l:	\\Chroi	mNA\Buffal	o\ChromDa	ata\HP5890-1	2\20151005-	46918.b\hp1	2_pcb.m	
Limit G Last Up Integra	roup: odate: tor:	GC - 8 06-Oct Falcon	082A PCB 1-2015 11:0 1	ICAL 0:39	Cali	b Date:	01-Aug-2	015 19:42:19	
Quant I Last IC	Method: al File:	Extern \\Chroi	al Standarc mNA\Buffal	l o\ChromDa	Qua ata\HP5890-1	nt By: 2\20150801-	Initial Cal 45014.b\12	ibration 339_318.D	
Colum Colum Proces	n 1 : n 2 : s Host:	ZB-5 ( ZB-35 XAWR	0.25 mm) ( 0.53 mm) K008				Det: Ch-A Det: Ch-E	A-7A136 3-7b136	
First Le	evel Revie	wer: sob	olk		Dat	e:	06-Oct-20	015 11:00:39	
Col	RT I (min.)	Exp RT (min.)	Dlt RT (min.) F	Response	OnCol Amt ng/uL	Flags			
\$ 3 Te	etrachloro	-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 00	ND 1016					M			
1	2 205	2 207	-0.002	1452	0.0102	141			
1	2.205	2.207	0.001	697	0.008383				
1	2 543	2.540	0.003	1794	0.007515	м			
1	2.629	2.623	0.006	600	0.005803	M			
•		Average o	of Peak Am	ounts =	0.007969	)			
2	1.936	1.934	0.002	1136	0.009510	м			
2	2.225	2.223	0.002	1027	0.006835	i			
2	2.315	2.335	-0.020	240	0.003436	M			
2	2.692	2.696	-0.004	1546	0.0211				
-		Average (	of Peak Am	ounts =	0.0102				
					RPD = 24.	79			
LOD	= 0.010	00							
9 P(	CB-1260					М			
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 Am	ounts =	0.2872				
2	4.034	4.032	0.002	55046	0.3502	М			
2	4.344	4.344	0.000	22857	0.2463				
2	4.48 <sup>´</sup> 3	4.483	0.000	56602	0.2643				
2	4.807	4.805	0.002	41959	0.2291				

4.8050.002419590.2291Average of Peak Amounts =0.2725

0.2725 RPD = 5.25

AECOM	LAB Test America COOLER 1 of 1	PAGE 1 of 1	AIWE ONLY ALH (IN FEET) ATH (IN FEET) AINUNG AINUNG ARA ARA ARA ARA ARA ARA ARA ARA ARA AR		3 DAY TAT N, 1.5 LS -	N, 1.01.0 -	V V 12 13	24 4- TAT N1 1.5 1-5 -	3 DAY TAT N. 2020	3 BAY TAT N, 2.0 20 -			LH - HAZARDOUS LIQUID WASTE LF - FLOATING/FREE PRODUCT ON GW TABLE	TO ACCOMMODATE MULTIPLE SAMPLES IN A SINGLE DAY)	Deye - lab PM		pont on #4	
												480-88492 Chain of Custo	WO - OCEAN WATER WS - SURFACE WATER WQ - WATER FIELD QC	EQUENTIAL NUMBER (FROM 1 TO 9) 1	TIME SPECIAL INSTR- 1515 Mel: 56	TIME	13.1°C	
472	808 1-11-ja		۲ ۲ ۲ ۲ ۲ ۲ ۲ ۲ ۲ ۲ ۲ ۲ ۲ ۲ ۲ ۲ ۲ ۲ ۲	0 04 000		-	~	<u> </u>					TER WL - LEACHATE GS - SOIL GAS GS WC - DRILLING WA	IRONMENTAL SAMPLE (# - S GE	E) DATE VOLO US	(SIGNATURE) DATE		
STODY RECORD	SITE NAME 6E TORAWARDE	1 hhr		SOMP/ SAMPLE ID MATHIX PC	and cs-log (Estimates) 30 1	1 05 (2) dewall 12) 50 1	212 CS-110 (Beften 1.5) 50 1	int cs-113(12) 20 1	22 (2-114(5:demul 2) 50 (	1) CS-115[5 demail 20) 50 (			EL - SULDIGE WG - GROUND WATT WP - DRINKING WATER SO - SOIL WW - WASTE WATER DC - DRUL CUTTING	RB# - FILLD REPLICATE MS# - MATRIX SPIN	DATE TIME RECEIVED BY (Signyordig	DATE TIME RECEVED FOR LAB BY (	pment, copy to coordinator field files	
CHAIN OF CU	PROJECT NO. 60447945	SAMPLERS (PRINT/SIGNATURE)	DELIVERY SERVICE: Drap of	LOCATION DATE TIME G	1 115 6	1135 6	1140 6	1230 6	1240 6	V 1245 6			AAA - AMBIENT AIR AAA - AMBIENT AIR AAAABUENT AIR AAAABUENT AIR SH - HAZARDOUS SOLID WASTI	SANDER SANDER SOME THE BLANK	RELINQUISHED BY (SIGNATURE)	RELINQUISHED BY (SIGNATURE)	Distribution: Original accompanies shi	

### 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**

#### **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**

AECOM	LAB TEST AMERICA COOLER 1 of 1	PAGE 1 of 1	WE ONLY DIDING UNING UNING UNING WAY SEE LAGE UNING UN		3 day T.A.T NI 03 05 -	24 hr T.A.T NI 215 25	JAM JHI NI ZOZO	Chain of Custody	EAN WATER LH - HAZARDOUS LIQUID WASTE 4FACE WATER LF - FLOATING/FREE PRODUCT ON GW TABLE TER FIELD OC	TROM 1 TO B) TO ACCOMMODATE MULTIPLE SAMPLES IN A SINGLE DAY	IN INSTRUCTIONS	and the second		
(+	+7808) 500		om/b z	:0 h7					NL - LEACHATE WO - OC GS - SOIL GAS WS - SU WC - DRILLING WATER WG - WS	DNMENTAL SAMPLE (# - SEQUENTIAL NUMBER (	DATE TIME SPEC 10/1/17/17/47	IGNATURE) DÁTE TIMÉ <sup>1</sup> 0		1#522
TODY RECORD	SITE NAME GE TONAWANDA	ful Bry		P/ SAMPLEID MATRIX POS	B CS-117 CST SO 1	6 CS-118(6104 wall g) 50 1	\$ CS -1(9(BOTTON 2.0) 50 1		SL - SLUDGE WG - GROUND WATER WP - DRINKING WATER SO - SOIL WW - WASTE WATER DC - DRILL CUTTINGS	RB# - FINSE BLANK N# - NORMAL ENVIRO FR# - FIELD REPLICATE MS# - MATRIX SPIKE	12 TIME RECEIVED BY (SIGNATURE)	NATE TIME RECEIVED FOR AB BY (SIC	ent, copy to coordinator field files	
CHAIN OF CUS	PROJECT NO.	SAMPLERS (PRINT/SIGNATURE)	Delivery Service:	LOCATION IDENTIFIER DATE TIME GRA	101 2/15 1327 GRA	16 7 16 50 GAA	10/2412 1202 614			SANTA SANTASANA SANTASANA AVADARASA SD# - MATRIX SPIKE DUPUCATE		RELINQUISHED BY (SIGNATURE)	Distribution: Original accompanies shipm	

### **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**

#### **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

Invite Sire NAME Sire NAME   2745 Sire NAME Sire NAME   2746 Sire NAME Sire NAME   2747 Date Minit   2747 Sire NAME Sire NAME   2757 Sire NAME Sire NAME   2757 Sire NAME   2757 Sire NAME	AECOM	LAB Test America COOLER 1 of 1				1 3 04Y TAT N, 1.0 1.0 -	1 3 04TAT FD, 100 -	1 24 4r TAT Nº 1.5 1.5 -	2 88,			480-88860 Chain of Custody		WL - LEACHATE WO - OCEAN WATER UH - HAZARDOUS LIQUID WASTE BS - SOIL GAS WATER UF - FLOATING/FREE PRODUCT ON GW TABLE WC - DRILLING WATER WO - WATER FIELD OC	NTAL SAMPLE (# - SEQUENTIAL NUMBER (FROM 1 TO 8) TO ACCOMMODATE MULTIPLE SAMPLES IN A SINGLE DAY)	DATE TIME SPECIAL INSTRUCTIONS	TURE DATE TIME MELISSA DEYO - Las FM	TO GO SIN HI THE	
Direction Site Name   PRINT/SIGNATURE) Site NAME   PRINT/SIGNATURE) Site NAME   Urban Jran   Site Name Site NAME   PRINT/SIGNATURE) Site NAME   Urban Jran   Date Time   Comp Comb   Date Time   Date Time   Date Time   Date Time   Comp Comb   Date Sols   Date Time   Time Comb   Side Autore Sols   Side Autore Sols   Side Autore Date   Time Date   Date Time   Date Date   Date Date	RECORD	na wanda				1 02 (or 1	-FD-1 50 1	then 1-5) 50 1	1-RB-1 Wa 2					MATER SO - SOIL MATER SO - SOIL TER DC - DRILL CUTTINGS	ANK N# - NORMAL ENVIRONME PLICATE MS# - MATRIX SPIKE	RECEIVED BY (Slophrune)	RECEIVED FOR LAB BY (SIGNA		rdinator field files
AIN OF C PRINT/SIGNATURE) U/2 by J/2 DATE TIME DATE	USTODY	SITE NAME GETO	ULL		COMP/ GRAB SAM	60-4 CS-120(bo	Gab 2015 1009.	) 6mb cs-121(B	5 626 2015 1001					SL - SLUDGE SL - SLUDGE WP - DRINKING V WASTE WA	RB# - RINSE BL PUCATE FR# - FIELD REF	DATE TIME	DATE TIME		shipment. copy to cool
	NIN OF C	12945	PRINT/SIGNATURE)	ERVICE: D.P.P.	DATE	ipplis 1415	10/9/15 -	19/15 1420	roja/15 jees					A AMBIENT AIR SE-SEDIMENT AIR SH-HAZARDOUS SOLD V	TB# - TRIP BLANK	HED BY (SIGNATURE)	IED RV (SIGNATIBE)		Oricinal accompanies

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#### **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**

#### **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

AECOM	LAB RST HAVEN UT	PAGEof	REMARS TOT NO.# 1 (IN FEET) 1	(IHLIM HEFD DELL EKDIM BEGIM SYMb	3 dry 7AT N 20 20 -		3d4y TAT & 3.0 3.0 -	3 day TAT N 4040-						LH - HAZARDOUS LIQUID WASTE LF - FLOATING/FREE PRODUCT ON GW TABLE	) ACCOMMODATE MULTIPLE SAMPLES IN A SINGLE DAY)	UCTIONS	Day of the PM			1.7 ¥/
							(pojer		uledC	5 166	88-08	37		WO - OCEAN WATER WS - SURFACE WATER WQ - WATER FIELD QC	UMBER (FROM 1 TO 9) TC	SPECIAL INSTR	<b>10.</b> 0, 550	いつくろう		
						5								 EACHATE OIL GAS MILLING WATER	E (# - SEQUENTIAL NI	DATE TIME				
.9	भ म्ह	B a	SENTES		1 1		1 1	1 1						 VATER WL-L GS-S INGS WC-L	PIKE	W.A.	ALC .	Y (SIGNATURE)		
CORD	HON	(		MATRIX	120 50	405 (so)	3.0) 50	05 (0.4)	, ,					 WG - GROUND M SO - SOIL DC - DRILL CUTT	N# - NORMAL EI MS# - MATRIX SI	FED BY (SIGNAT		ED FUK LAB B	ield files	
DY RE	NAME TOM A WH	22x	3ILL NO.:	SAMPLE ID	109AGNOSAAL	DEALSwead	9 ACBERTOM	PEA GIDEWA						UDGE DRINKING WATER WASTE WATER	RINSE BLANK FIELD REPUCATE	IME RECEIV	101 Jun		to coordinator f	
USTO	El S	July	AIRE	COMP/ GRAB	-SJ 970	Calleb CS-A	GRAS CS-11	6 RAG (CS-1						SL-SI SL-SI WP-C WM-1	RB# - ICATE FR# -	DATE 1	i sruo	DAIE	shipment, copy	
OFC		(IGNATURE)	Å	E	15 1620	15 1628 J	15-1640	82 EI 24						 - AMBIENT AIR - SEDIMENT - HAZARDOUS SOLID V	# - TRIP BLANK # - MATRIX SPIKE DUPI	(SIGNATURE)	X	( (SIGNATURE)	ul accompanies	
CHAIN	PROJECT NO.	SAMPLERS (PRINTIS	DELIVERY SERVICE	LOCATION IDENTIFIER DATI	12 DI	A NO	hilas	in/or						A CODEC	TB4	RELINQUISHED BY	Jan NO.	RECINQUISHED BY	Distribution: Origina	

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#### 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**

# FORM X IDENTIFICATION SUMMARY

Lab Name: TestAmerica Bu	ffalo		Jol	Job No.: 480-88931-1									
SDG No.:													
Client Sample ID: CS-119	A (BOTTOM	3.0)	La	b Sample	e ID: 48	0-88931-2							
Instrument ID (1): HP589	0-12		In	strument	: ID (2)	: HP5890-1	2						
Date Analyzed (1): 10/14	/2015 15	:55	Da	te Analy	/zed (2)	: 10/14/20	15 15:55						
GC Column (1): ZB-5	ID:	0.25(mm)	GC	Column	(2): <u>ZB</u>	-35	ID: 0.5	3 (mm)					
Forma		553.U	7.00	RT WI	NDOW	CONCENT	RATION	חספ					
ANALYTE	COL	PEAK	RT	FROM	TO	PEAK	MEAN						
PCB-1260	1	1	4.17	4.14	4.20	0.170	0.13	2.3					
	4	2	4.39	4.36	4.42	0.146							
		4	4.92	4.88	4.94	0.118							

4.04

4.34

4.00

4.31

4.06

4.37

1

2

2

0.14

0.160

0.185

20

# TestAmerica Buffalo

			large	t Compound	Quantitation	Report			
Data F Lims II Client	ile: D: ID:	\\Chron 480-88 CS-119	nNA\Buffa 931-A-2-A )A (BOTT(	lo\ChromDa \ OM 3.0)	ta\HP5890-1: Lab \$	2\20151014 Sample ID:	1-47262.b\12_ 480-8893	346_302.D 91-2	
Sampl Inject. Injectio	e Type: Date: on Vol: e Info:	Client 14-Oct 1.0 ul	-2015 15:5	55:24	ALS Dil. F	Bottle#: actor:	0 1.0000	Worklist Smp#:	11
Opera	tor ID:	buftchr	om		Instr	ument ID:	12		
Metho	d.	\\Chror	nNA\Buffa	lo\ChromDa	ata\HP5890-1	2\2015101	4-47262.b\hp1	2_pcb.m	
Limit C Last U	Group: Ipdate:	GC - 8 15-Oct Falcon	082A PCB -2015 10:0	6 ICAL 01:34	Calit	Date:	01-Aug-2	2015 19:42:19	
Quant Last IC	Method: Cal File:	Externa \\Chror	al Standar nNA\Buffa	d alo\ChromDa	Qua ata\HP5890-1	nt By: 2\2015080	Initial Ca 1-45014.b\12_	libration _339_318.D	
Colum Colum Proce	nn 1 : nn 2 : ss Host:	ZB-5 ( ZB-35 XAWR	0.25 mm) ( 0.53 mm K010	)			Det: Ch-/ Det: Ch-l	A-7A136 B-7b136	
First L	evel Revi	ewer: sobo	olk		Date		15-Oct-2	015 10:01:34	
Col	RT (min.)	Exp RT (min.)	DIt RT (min.)	Response	OnCol Amt ng/uL	Flags			
¢ 27	otrachlor								
ອີວາ 1	1 649	1.648	0.001	56277	0.0201				
2	1.278	1.277	0.001	32350	0.0215				
_					RPD = 7.0	3			
9 P	CB-1260					М			
1	4.173	4,169	0.004	8371	0.0326	M			
1	4.393	4.391	0.002	6174	0.0279	Μ			
1	4.521	4.524	-0.003	4427	0.0199	М			
1	4.917	4.913	0.004	6798	0.0226	М			
		Average of	of Peak An	nounts =	0.0257				
2	4.036	4.033	0.003	4811	0.0306	М			
2	4.344	4.343	0.001	3292	0.0355	Μ			
2	4.487	4.483	0.004	3744	0.0175				
2	4.810	4.806	0.004	3986	0.0218	М			
		Average	of Peak Ar	nounts =	0.0263				
		-			RPD = 2.2	28			
\$ 12	DCB Dec	achlorobip	henyl						

\$12I	DCR Deca	icnioropipi	nenyi		
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

AECOM	LAB Test America COOLEB 1 of 1	PAGE 1 of 1	2 OND) COLNO (IN LEEL) (IN LEEL) (IN LEEL) INNG UNG UNG SX SX SX SX SX SX SX SX SX SX SX SX SX		3 DAY TAT N, 0.5 0.5 -	- N, 202.0 -	N 0.50.5-	N, 0.50.5-	N, as as -	W N, 0.570.57-	V RB1		in of Custody	N WATER LH - HAZARDOUS LIQUID WASTE LE WATER LF. FLOATING/FREE PRODUCT ON GW TABLE R FIELD QC	34 1 TO 9) TO ACCOMMODATE MULTIPLE SAMPLES IN A SINGLE DAY)	ULINSTRUCTIONS U.E. LEYE - LEY PM		17- COM0
4	12805 597 7895 593		- Sordwi Sand Ja 199 - Sord V - Sord V Composition	1 944 242 5 1 5 1 2 2 1							2		480-88990 Chai	R WL - LEACHATE WO - OCEA GS - SOIL GAS WS - SURF WC - DRILLING WATER WG - WATE	DNMENTAL SAMPLE (# - SEQUENTIAL NUMBER (FR	0-13-14 15-55	GNATURE) DATE TIME	
ODY RECORD	SITE NAME 6 E Tonemerady			SAMPLE ID MATRIX	(5-127(5:dewell 0.3) 50 1	(5-123 (Bottom 2.0) 50 1	65-129/ sidemelle.5) 50 1	cs-130(sidewal 0.5) 50 (	cs-134(5: dewell 02) 50 1	C3-138 (Sidewell 0.5) 50 1	2015 013 - RB-1 WQ 2			SK - SLUDGE WG - GROUND WATER WP - DRINKING WATER SO - SOIL WW - WASTE WATER DC - DRULL CUTTINGS	RB# - RINSE BLANK FR# - FIELD REPLICATE MS# - MATRIX SPIKE	E TIME RECEIVED BY (SIGNATURE)	E TIME RECEIVED FOR LAB BY (SI	
<b>VIN OF CUST</b>	lo. 2945	S (PRINT/SIGNATURE)	SERVICE: Drop Oct	DATE TIME GRAB	10/13/15 1300 Grub	1 1305 1	1307	1315	1355	V 1420 V	~ 5151 A			 A - AMBIENT AIR BE - SEDIMENT SH - HAZARDOUS SOLD WASTE	TB# - TRIP BLANK DD# - MATRIX SPIKE DUPLICATE	ISHED BY (SIGNATURE) DAT	ISHED BY (SIGNATURE) DAT	

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#### **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.

# FORM X IDENTIFICATION SUMMARY

Lab Name: TestAmerica Buff	alo		Jol	b No.: 4	480-88990	-1		
SDG No.:								
Client Sample ID: CS-134 (	SIDEWAL	L 0.5)	Lal	b Sample	e ID: 480	-88990-5		
Instrument ID (1): HP6890-	7		In	strument	t ID (2):	HP6890-7		
Date Analyzed (1): 10/14/2	015 16	:49	Da	te Analy	yzed (2):	10/14/20	15 16:49	
GC Column (1): ZB-5	ID:	0.53(mm)	GC	Column	(2): <u>ZB</u> -	35	ID: 0.5	3 (mm)
	007	DDAK	חת	RT WI	NDOW	CONCENTI	RATION	
ANALYTE	COL	PEAK	RI	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		
	4 A	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_3	86_091.D	
Lims ID:	480-88990-A-5-A	Lab Sample ID:	480-8899	0-5	
Client ID:	CS-134 (SIDEWALL 0.5)				
Sample Type:	Client				1.727-07
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	7	
Method:	\\ChromNA\Buffalo\ChromData	HP6890-07\20151014-	47249.b\HP7	7-PCBS.m	
Limit Group:	GC - 8082A PCB ICAL				
Last Update:	15-Oct-2015 10:48:03	Calib Date:	07-Aug-2	015 02:50:41	
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Cal	ibration	
Last ICal File:	\\ChromNA\Buffalo\ChromData	a\HP6890-07\20150807-	45182.b\7_3	79_264.D	
Column 1 :			Det: Ch-A	A-7A136	
Column 2 ·			Det: Ch-E	3-7b136	

Column 2 :

Process Host: XAWRK010

al Paviawar: sobolk F

First l	_evel Rev	iewer: sob	olk		Dat	e:
	RT	Exp RT	DIt RT		OnCol Amt	
Col	(min.)	(min.)	(min.)	Response	ng/uL	Flags
\$ 3	Tetrachlor	o-m-xylen	е			
1	2.075	2.075	0.000	848072	0.0213	
2	1.687	1.688	-0.001	763322	0.0223	
					RPD=4.3	28
4 F	CB-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 A	mounts =	0.0394	
2	2.718	2.716	0.002	109047	0.0599	
2	2.840	2.830	0.010	3153	0.004574	4 🧸
2	0.000	3.443	-3.443	0	0	
2	0.000	3.491	-3.491	0	0	
		Average	of Peak A	mounts =	0.0322	
					RPD = 19	.93
9 F	PCB-1260					м
1	4.659	4.660	-0.001	275540	0.1614	М
1	4.888	4.890	-0.002	431461	0.2063	Μ
1	5.413	5.413	0.000	437925	0.1542	Μ
1	5.663	5.664	-0.002	210610	0.1552	М
		Average	of Peak A	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 A	Amounts =	0.2151	
					RPD = 23	8.83

15-Oct-2015 10:48:03

> only 2 peaks identifiel : W

# FORM X IDENTIFICATION SUMMARY

Lab Name: TestAmerica Bu	iffalo		Jo	b No.:	480-8899	0-1							
SDG No.:			L										
Client Sample ID: CS-138	3 (SIDEWAL	L 0.5)	La	Lab Sample ID: <u>480-88990-6</u>									
Instrument ID (1): HP689	90-7		In	Instrument ID (2): HP6890-7									
Date Analyzed (1): 10/14	4/2015 17	:05	Da	Date Analyzed (2): 10/14/2015 17:05									
GC Column (1): ZB-5	ID:	0.53(mm	) GC	Column	(2): <u>Z</u> E	-35	ID: 0.5	3 (mm)					
	001	DEAK		RT WI	NDOW	CONCENT	RATION	חספ					
ANALYTE	COL	PLAK	RI	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	v i denum						
		3	4.48	4.46	4.52	0.382	1						
		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	1						
		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	1						
		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**

		1	1	S ONLY) OT NO.#	(IBERD F	$\mathbf{v}$										3				-	
				(IN FEET)	nigaja Ending	5.0									TABLE	ALE DA					
				(IN FEET) NING	DEPTH	02					-					I A SINC					
	)   3	s s	T I	Е ТҮРЕ	JqMA2	5									DUCT	PLES IN					
AEC	LAB 7267	COOLER /	PAGE	REMARKS		24 m. TAT									LH - HAZARDOUS LIQUIC LF - FLOATING/FREE PRC	ACCOMMODATE MULTIPLE SAM	CTIONS	in the oha			
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#### 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 Buf:	falo		Jo	Job No.: 480-89241-1							
SDG No.:											
Client Sample ID: CS-146	(SIDEWAI	LL 0.5)	La	Lab Sample ID: 480-89241-1							
Instrument ID (1): HP6890	-7		In	Instrument ID (2): HP6890-7							
Date Analyzed (1): 10/16/2	2015 13	3:33	Da	Date Analyzed (2): 10/16/2015 13:33							
GC Column (1): ZB-5	) GC	Column	(2): ZB	-35	ID: 0.5	3 (mm)					
ΔΝΔΙΥΨΕ	COL	PEAK	RT	RT WI	NDOW	CONCENT	RATION	RPD			
	ANALITE COL PEAK		IVI	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					
1		4	5.35	5.32	5.38	2.73					

AECOM	LAB 1251 MARILA	PAGE 1 of 1	MR ONLY D TOL NO" NG H (IN LEEL) NAING MAING W Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y	AMAR ACCOMPANE A	24 M. TAT N 3.0 -			480-89281 Chain of Custody		WO - OCEAN WATEH UF - FLOATNIGFREE PRODUCT ON GW TABLE WS - SURFACE WATER WQ - WATER FIELD OC	EQUENTIAL NUMBER (FROM 1 TO 9) TO ACCOMMODATE MULTIPLE SAMPLES IN A SINGLE DAY)	TIME SPECIAL INSTRUCTIONS	TIME	3.4 #
)RD	V-280	2800	HINEHS		119					B GROUND WATER     WL - LEACHATE     Soil     Soil     Soil     DRILL CUTTINGS     WC - DRILLING WAT	# - NORMAL ENVIRONMENTAL SAMPLE (# - SE	(signature) DATE	DR LAB BY (SIGNATURE) DATE	les
STODY RECC	SITE NAME 65-TOWAGINAN DA	ALS A	AIRBILL NO.:	OMP/ SAMPIFID	AAA CS-109B(SEDE WOULD)					SL-SLUDGE WG WP-DRINKING WATER SO WW - WASTE WATER DC	RB# - RINSE BLANK N#	DATE TIME REPEIVED B	DATE TIME RECEIVED FO	ment, copy to coordinator field fi
CHAIN OF CU	AOJECT NO.	AMPLERS (PRINT/SIGNATURE)	ELIVERY SERVICE: M.		10/16/15 0930 6					AUTOR AND A AND AND AND AND AND AND AND AND A		APPLICATION SUCCESSION AND A SUCCESSION	TELINQUISHED BY (SIGNATURE)	Distribution: Original accompanies shi

10/20/2015

#### 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**

## **TABLE OF CONTENTS**

	Page No.	
I.	INTRODUCTION	1
II.	ANALYTICAL METHODOLOGIES AND DATA VALIDATION PROCEDURES	1
III.	DATA DELIVERABLE COMPLETENESS	2
IV.	SAMPLE RECEIPT/PRESERVATION/HOLDING TIMES	2
V.	NON-CONFORMANCES	2
VI.	SAMPLE RESULTS AND REPORTING	3
VII.	SUMMARY	3

## 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 recollection 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).



## **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**

J\Projects\38395113\38395294 GE Tonawanda\Analytical\DUSR\Aug\_Oct 2015\DUSR for Lamar Property.docx

# Client: AECOM Technical Services Inc.

Job Number: 480-86457-1

Client Sample ID	CS-19 (BOTTOM 1.0	")				
Lab Sample ID: Client Matrix:	480-86457-1 Solid	% Moisture	e: 9.7		Date Sar Date Rec	npled: 09/01/2015 1310 ceived: 09/01/2015 1702
	8082A Polyc	hlorinated Bipheny	ls (PCBs) by G	as Chromato	graphy	
Analysis Method: Prep Method: Dilution: Analysis Date: Prep Date:	8082A 3550C 1.0 09/03/2015 0052 09/02/2015 1047	Analysis Batch: Prep Batch:	480-261681 480-261622	Instrum Initial W Final W Injectior Result 1	ent ID: /eight/Volume: eight/Volume: 1 Volume: ſype:	HP6890-7 +2.08 g 10 mL 1 uL PRIMARY
Analyte	DryWt Correcte	d: Y Result (m	ng/Kg) Qi	ualifier	MDL	RL
PCB-1016	fallen for die nammen andere eine geweisen die einer Wilderfordig von 🗰 in der bei annammen andere geberende wei der	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	Qı	ualifier	Acceptan	ce Limits
Tetrachloro-m-xyle	ne	102			60 - 154	energenetien 🖥 in den in verschenzensen in einen beste beste einschlichensenen i 🎬 Steaten im an 🗮
DCB Decachlorobi	phenyl	104			65 - 174	

Analytical Data	Analyti	cal	Data
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Job Number: 480-86457-1

Client Sample ID:	20150901-FD-1	[CS-19(Bo	Hom 1.0')	]					
Lab Sample ID: Client Matrix:	480-86457-3 Solid	% Mc	oisture: 9.6		Date Sampled: 09/01/20 Date Received: 09/01/20				
	8082A P	olychlorinated Bip	henyls (PCBs)	by Gas C	hromatogra	phy			
Analysis Method: Prep Method: Dilution: Analysis Date: Prep Date:	8082A 3550C 1.0 09/03/2015 0124 09/02/2015 1047	Analysis Ba Prep Batch:	ntch: 480-261 : 480-261	681 622	Instrument I Initial Weigh Final Weigh Injection Vo Result Type	D: It/Volume: t/Volume: lume: :	HP6890-7 +2.03 g 10 mL 1 uL PRIMARY		
Analyte	DryWt Corre	ected: Y Res	ult (mg/Kg)	Qualifie	er ME	DL	RL		
PCB-1016	na heft se festivel na ha fan in star a general an	ND			0.0	53	0.27		
PCB-1221		ND			0.0	53	0.27		
PCB-1232		ND			0.0	53	0.27		
PCB-1242		ND			0.0	53	0.27		
PCB-1248		ND			0.0	53	0.27		
PCB-1254		ND			0.1	3	0.27		
PCB-1260		0.53	}		0.1	3	0.27		
Surrogate		%Re	ec	Qualifie	er	Acceptan	ce Limits		
Tetrachloro-m-xyle	ne	106				60 - 154		Co.	
DCB Decachlorobig	ohenyl	109				65 - 174			

8

Client: AECOM Technical Services Inc.

Job Number: 480-86457-1

Lab Sample ID: Client Matrix:	480-86457-2 Solid	% Moisture	e: 14.7		Date Sa Date Re	mpled: 09/01/2015 1338 cceived: 09/01/2015 1702
	8082A Poly	chlorinated Bipheny	ls (PCBs) by	Gas C	hromatography	
Analysis Method: Prep Method: Dilution: Analysis Date: Prep Date:	8082A 3550C 1.0 09/03/2015 0108 09/02/2015 1047	Analysis Batch: Prep Batch:	480-261681 480-261622	2	Instrument ID: Initial Weight/Volume: Final Weight/Volume: Injection Volume: Result Type:	HP6890-7 +2.02 g 10 mL 1 uL PRIMARY
Analyte	DryWt Correct	ed: Y Result (m	ig/Kg)	Qualifie	er MDL	RL
PCB-1016	an a	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		Qualifie	r Accepta	nce Limits
Tetrachloro-m-xyle	ne	102	an dark and an an an and an and an and an and a set of the set of		60 - 154	and a financial fraction of the second field of the second s
DCB Decachlorobi	phenyl	102			65 - 174	

9/8/15 R

# ATTACHMENT B

# SUPPORT DOCUMENTATION

-01

J:\Projects\38395113\38395294 GE Tonawanda\Analytical\DUSR\Aug\_Oct 2015\DUSR for Lamar Property.docx

700-8043		AB RAT HAVE				50 1 1 N	2	50 1 1 B				480-86457 Chain of Custody	COUND WATER WL - LEACHATE WO - OCEAN WATER LH - HAZARDOUS LIQUID WAS	2 - SOIL GS - SOIL GAS WS - SURFACE WATER LF - FLOATING/FREE PRODUC 2 - DRILL CUTTINGS WC - DRILLING WATER MED CC LF - FLOATING/FREE PRODUC	# - NORMAL ENVIRONMENTAL SAMPLE (# - SEQUENTIAL NUMBER (FROM 1 TO 9) TO ACCOMMODATE MULTIPLE SAMPLES I 8# - MATRIX SPIKE	Y (SIGNATURE) DATE TIME SPECIAL INSTRUCTIONS	DR LAB BY (SIGNATURE) DATE TIME ALISSA DEYO IS LAB PM.	ASP ODT B deliverades
	STODY REC	SITE NAME	1 Tom Urban/Pomell	AIRBILL NO.:	AP/ AB SAMPLE ID	HO CS-PA (BOTTOM 1.0')	CS-21(SIDEWALL O.S.)	20150901-FD-1					SL-SUDDEE	WP - DHINKING VATER S( WW - WASTE WATER D(	RB# - RINSE BLANK FR# - FIELD REPLICATE M	ATE TIME RECEIVED B	ATE TIME RECEIVED FO	
	CHAIN OF CUS	PROJECT NO.	SAMPLERS (PRINTISIGNATURE) 1 AN	DELIVERY SERVICE:	LOCATION LOCATION CON IDENTIFIER DATE TIME GRU	9/1/12 1310 ter	a/1/15 1338	6/1/12 - A						CODESC ST. SE-SCUMEN	A STATE OF STATES AND THE TAIL BLANK	RELINQUISHED BY (SIGNATURE) DI	RELINQUISHED BY (SIGNATURE) DI	Dietriki dion: Orioinal accompanios objamo

t\_5+98-01+

: : : .

1

Laway

#### 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

21

for

## NEW YORK STATE DEPARTMENT OF TRANSPORATION 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**

# TABLE OF CONTENTS

	Page No.	÷
I.	INTRODUCTION	1
II.	ANALYTICAL METHODOLOGIES AND DATA VALIDATION PROCEDURES	1
III.	DATA DELIVERABLE COMPLETENESS	2
IV.	SAMPLE RECEIPT/PRESERVATION/HOLDING TIMES	2
V.	NON-CONFORMANCES	2
VI.	SAMPLE RESULTS AND REPORTING	3
VII.	SUMMARY	3

# 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: 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 nonconformance 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  $4^{\circ}C \pm 2^{\circ}C$  upon receipt at the laboratory (i.e.,  $13.1^{\circ}C$ ). 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 -2detected 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 recollection 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).



## **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 NYSDT PROPERTY SAMPLE ID FRACTION ANALYTICAL DEVIATION

SAMPLE ID	FRACTION	ANALYTICAL DEVIATION	QUALIFICATION
CS-85 (Sidewall 0.5')	РСВ	Dual-column RPD >25% for AR1260.	Qualify detected result 'J'.

# ATTACHMENT A VALIDATED FORM 1s

# Client: AECOM Technical Services Inc.

Job Number: 480-88008-2

Client Sample ID:	CS-76 (BOTTOM 1.0)
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Lab Sample ID: Client Matrix:	480-88008-6 Solid	% Moisture	e: 18.5		Date San Date Rec	npled: 09/28/2015 1345
	8082A Pol	vchlorinated Biphenv	ls (PCBs) by Gas		oraphy	
Analysis Method: Prep Method: Dilution: Analysis Date: Prep Date:	8082A 3550C 1.0 09/29/2015 1538 09/29/2015 0818	Analysis Batch: Prep Batch:	480-266016 480-265972	Instrume Initial We Final We Injection Result T	int ID: eight/Volume: eight/Volume: Volume: ype:	HP6890-7 +2.39 g 10 mL 1 uL PRIMARY
Analyte	DryWt Correc	ted: Y Result (m	ng/Kg) Qua	lifier	MDL	RL
PCB-1016	ייראוי איז איז איז איז איז איז איז איז איז אי	ŇD		and the fit is a summarian and a party is appropriately a	<b>0.050</b>	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	Qua	lifier	Acceptar	ce Limits
Tetrachloro-m-xyle	ene	97			60 - 154	
DCB Decachlorob	iphenyl	89			65 - 174	

 $\mathbf{r}$ 

# Client: AECOM Technical Services Inc.

Client Sample ID:	CS-77 (BOTTOM 1.0)
-------------------	--------------------

Lab Sample ID: Client Matrix:	480-88008-7 Solid		% Moistur	e: 16.5			Date Sar Date Ree	npled: 09/28/2 ceived: 09/28/2	2015 1317 2015 1900
	8082A	Polychlorinate	ed Bipheny	is (PCBs) by	/ Gas (	hromat	ography		
Analysis Method: Prep Method: Dilution: Analysis Date: Prep Date:	8082A 3550C 1.0 09/29/2015 1554 09/29/2015 0818	Anal Prep	ysis Batch: Batch:	480-26601( 480-26597;	6 2	Instrum Initial V Final W Injectio Result	ent ID: Veight/Volume: /eight/Volume: n Volume: Type:	HP6890-7 +2.63 g 10 mL 1 uL PRIMARY	
Analyte	DryWt Co	orrected: Y	Result (n	ng/Kg)	Qualif	er	MDL	RL	
PCB-1016	1999 - 1999 - 1997 - 199		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		Qualifi	er	Acceptar	ce Limits	
Tetrachloro-m-xyle	ene		99	anna a gun general a gun ggula de tas de tas de casar de casar y sana			60 - 154	alar yana da yang menyakan kang yang terdentakan di kang da yang menyakan di kang da yang da yang da yang da y	
DCB Decachlorob	iphenyl		96				65 - 174		

# Client: AECOM Technical Services Inc.

Job Number: 480-87953-1

Client Sample ID:	CS-78 (BOTTOM 1.	0)				
Lab Sample ID: Client Matrix:	480-87953-1 Solid	% Moisture	e: 14.1		Date Sar Date Rec	npled: 09/25/2015 1230 ceived: 09/25/2015 1348
	8082A Poly	chlorinated Bipheny	ls (PCBs) by Ga	s Chroma	tography	
Analysis Method: Prep Method: Dilution: Analysis Date: Prep Date:	8082A 3550C 1.0 09/30/2015 1134 09/29/2015 1328	Analysis Batch: Prep Batch:	480-266209 480-266056	Instrui Initial Final N Injectio Result	nent ID: Weight/Volume: Neight/Volume: on Volume: : Type:	HP6890-7 +2.18 g 10 mL 1 uL PRIMARY
Analyte	DryWt Correct	ed: Y Result (m	ng/Kg) Qu	alifier	MDL	RL
PCB-1016	որում օգ վիծքանին առնձ հերդերին առանձ արդայն ուղեւ գեպ ելիս, երա, ունի փման ստապուստա	ND	99 A 20 A	100 100	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	Qu	alifier	Acceptan	ce Limits
Tetrachloro-m-xyle	ne	101	ana manganan isin isin isin isin isin isin isin		60 - 154	and a second
DCB Decachlorobi	phenyl	96			65 - 174	

## Client: AECOM Technical Services Inc.

Job Number: 480-87953-1

Client Sample ID:	CS-79 (SIDEWALL 0.5)
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Lab Sample ID: Client Matrix:	480-87953-: Solid	2	% Moisture	e: 19.2			Date Sar Date Ree	npled: 09/25/2015 124 ceived: 09/25/2015 134
	808	2A Polychlor	inated Bipheny	ls (PCBs) by	Gas C	hromato	graphy	
Analysis Method: Prep Method: Dilution: Analysis Date: Prep Date:	8082A 3550C 1.0 09/30/2015 11 09/29/2015 13	50 228	Analysis Batch: Prep Batch:	480-266209 480-266056	9 6	Instrume Initial We Final We Injection Result Ty	ent ID: eight/Volume: eight/Volume: Volume: ype:	HP6890-7 +2.11 g 10 mL 1 uL PRIMARY
Analyte	DryW	t Corrected: Y	Result (m	ig/Kg)	Qualifi	er	MDL	RL
PCB-1016 PCB-1221 PCB-1232 PCB-1242 PCB-1248 PCB-1254 PCB-1260			ND ND ND ND ND 1.4		estanome e de derestario	effe de la denne ĝ - <b>a</b> l de mantenanten	0.057 0.057 0.057 0.057 0.057 0.057 0.14 0.14	0.29 0.29 0.29 0.29 0.29 0.29 0.29 0.29
Surrogate Tetrachloro-m-xyle		99 پر 10 ماه اول در محمد و سرو می وا	%Rec 95	99 - 94 - 1 1 2 3 7 99 1	Qualifi	er	Acceptar 60 - 154	ice Limits
DCB Decachiorop	ipnenyi		83				65 - 174	

12

# Client: AECOM Technical Services Inc.

Job Number: 480-87953-1

Client Sample ID	CS-80 (SIDEWALL	0.5)				
Lab Sample ID: Client Matrix:	480-87953-3 Solid	% Moistu	re: 16.5		Date Sar Date Rec	npled: 09/25/2015 124 ceived: 09/25/2015 134
	8082A Poly	chlorinated Biphen	/Is (PCBs) by G	as Chrom	atography	
Analysis Method: Prep Method: Dilution: Analysis Date: Prep Date:	8082A 3550C 1.0 09/30/2015 1206 09/29/2015 1328	Analysis Batch: Prep Batch:	480-266209 480-266056	Instru Initia Final Injec Resu	ument ID: I Weight/Volume: Weight/Volume: tion Volume: It Type:	HP6890-7 +2.36 g 10 mL 1 uL PRIMARY
Analyte	DryWt Correct	ed: Y Result (r	na/Ka) Qı	ualifier	MDL	RI
PCB-1016	a 🖕 dalah serata hiri bili selama da 💷 dan arah - 🔀 dali da seba bara a di samana da di mayamma a	ND		NG ANNUAL FAMILY CONTACT AND AND AND A	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	Qu	alifier	Acceptan	ce Limits
Tetrachloro-m-xyle	ene	100	alata analata yang manya ang manya ang tang tang tang tang tang tang tang	• 9 Allerdele's law of the dominant approx.	60 - 154	an a
DCB Decachlorob	iphenyl	89			65 - 174	

# Client: AECOM Technical Services Inc.

Client Sample ID	CS-81 (SIDEWALL C	).5)				
Lab Sample ID: Client Matrix:	480-88008-1 Solid	% Moisture	e: 16.7		Date Sar Date Rec	npled: 09/28/2015 0955 ceived: 09/28/2015 1900
	8082A Polyc	hlorinated Bipheny	ls (PCBs) by G	as Chrom	atography	
Analysis Method: Prep Method: Dilution: Analysis Date: Prep Date:	8082A 3550C 1.0 09/29/2015 1228 09/29/2015 0818	Analysis Batch: Prep Batch:	480-266016 480-265972	Instru Initial Final Inject Resu	ument ID: I Weight/Volume: Weight/Volume: tion Volume: It Type:	HP6890-7 +2.26 g 10 mL 1 uL PRIMARY
Analyte	DryWt Correcte	d: Y Result (m	ng/Kg) Qi	ualifier	MDL	RL **
PCB-1016	annan an a	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	Qu	ualifier	Acceptan	ce Limits
Tetrachloro-m-xyle	ne	94			60 - 154	<ul> <li>In a second of the difference of the second of the difference of the second seco</li></ul>
DCB Decachlorobi	phenyl	90			65 - 174	

# Client: AECOM Technical Services Inc.

Client Sample ID:	CS-82 (SIDEWALL 0.5)

Lab Sample ID: Client Matrix:	480-88008-2 Solid		% Moistur	e: 15.5			Date Sar Date Rec	npled: 09/28/2015 1240 ceived: 09/28/2015 1900
	8082A	Polychlorinat	ed Bipheny	is (PCBs) by	/ Gas C	hromat	ography	
Analysis Method: Prep Method: Dilution: Analysis Date: Prep Date:	8082A 3550C 1.0 09/29/2015 1435 09/29/2015 0818	Ana Prep	lysis Batch: b Batch:	480-266010 480-265972	6 2	Instrum Initial V Final W Injectio Result	nent ID: Veight/Volume: /eight/Volume: n Volume: Type:	HP6890-7 +2.39 g 10 mL 1 uL PRIMARY
Analyte	DryWt C	orrected: Y	Result (n	ng/Kg)	Qualifi	er	MDL	RL
PCB-1016	ann a siù ann aù an de de de de sen de annonennen aggin-statever a ha fair e	و مروسی و میروند و میروند و میروند و این و میروند و میرون	ND	19 a 19 4944 alexandrate y a a series of a program	14940 Barrarandad-osana a m		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		Qualifi	ər	Acceptan	ice Limits
Tetrachloro-m-xyle	ene		98	1. (1. (1. (1. (1. (1. (1. (1. (1. (1. (		anna an	60 - 154	an a the second s
DCB Decachlorob	iphenyl		92				65 - 174	

## Client: AECOM Technical Services Inc.

Client Sample ID:	CS-83 (SIDEWALL 0.	5)					
Lab Sample ID: Client Matrix:	480-88008-3 Solid	% Moisture	e: 16.8			Date Sar Date Rec	npled: 09/28/2015 1248 ceived: 09/28/2015 1900
	8082A Polych	lorinated Bipheny	ls (PCBs) by	/ Gas C	hromatogra	aphy	
Analysis Method: Prep Method: Dilution: Analysis Date: Prep Date:	8082A 3550C 1.0 09/29/2015 1451 09/29/2015 0818	Analysis Batch: Prep Batch:	480-266010 480-265972	6 2	Instrument Initial Weig Final Weigl Injection Vo Result Type	ID: ht/Volume: ht/Volume: blume: e:	HP6890-7 +2.37 g 10 mL 1 uL PRIMARY
Analyte	DryWt Corrected	l: Y Result (n	ng/Kg)	Qualifie	er M	DL	RL
PCB-1016 PCB-1221 PCB-1232 PCB-1242 PCB-1248 PCB-1254 PCB-1260	nanna shanna shanna kun ku	ND ND ND ND ND 0.42			0. 0. 0. 0. 0.	050 050 050 050 050 050 12 12	0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25
Surrogate Tetrachloro-m-xyle DCB Decachlorobi	ne phenyl	%Rec 97 90	talah di alijikan yapa ya may na apagangang n	Qualifie	<b>er</b>	Acceptan 60 - 154 65 - 174	ce Limits

# Client: AECOM Technical Services Inc.

Client Sample ID:	CS-84 (SIDEWALL 0.5)
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Lab Sample ID: Client Matrix:	480-88008-4 Solid	% Moisture: 17.2			Date Sampled: 09/28/2015 1328 Date Received: 09/28/2015 1900		
	8082A Poly	chlorinated Bipheny	ls (PCBs) by Ga	s Chroma	tography		
Analysis Method: Prep Method: Dilution: Analysis Date: Prep Date:	8082A 3550C 1.0 09/29/2015 1506 09/29/2015 0818	Analysis Batch: Prep Batch:	480-266016 480-265972	Instru: Initial Final I Injecti Resul	ment ID: Weight/Volume: Weight/Volume: on Volume: t Type:	HP6890-7 +2.88 g 10 mL 1 uL PRIMARY	
Analyte	DryWt Correct	ed: Y Result (m	ng/Kg) Qua	alifier	MDL	RL	
PCB-1016	a destruite a sus divis and assuments interaction approach of adjuditionaria of an al-sharkaraa, an apo	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	Qua	alifier	Acceptan	ce Limits	
Tetrachloro-m-xylene		95	terrenalezziekanden die per operangen in die verdeten die ander die einer die einer die einer einer die einer einer die einer einer die einer	60 - 154			
DCB Decachlorobiphenyl		87		65 - 174			

## Client: AECOM Technical Services Inc.

Job Number: 480-88008-2

Date Sampled: 09/28/2015 1338 Date Received: 09/28/2015 1900

Client Sample ID:	CS-85 (SIDEWALL 0.5)			
Lab Sample ID:	480-88008-5			
Client Matrix:	Solid	% Moisture:	14.8	

#### 8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

	•	• •					
Analysis Method: Prep Method: Dilution: Analysis Date: Prep Date:	8082A 3550C 1.0 09/29/2015 1522 09/29/2015 0818	Analysis Batch: Prep Batch:	480-266016 480-265972	5   2   1 	Instrument ID: Initial Weight/Volume: Final Weight/Volume: Injection Volume: Result Type:	HP6890-7 +2.13 g 10 mL 1 uL PRIMARY	
Analyte	DryWt Corrected:	Result (n	ng/Kg)	Qualifie	MDL	RL	
PCB-1016	······································	ND		and a second sec	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	Acceptar	Acceptance Limits	
Tetrachloro-m-xyle	ene	102			60 - 154	a na anna ann an tarain an tarainn	1874) - Maria - Analysia Angel
DCB Decachlorobiphenyl		96		65 - 174			

12/12/15
# **Analytical Data**

# Client: AECOM Technical Services Inc.

Job Number: 480-88495-1

Client Sample ID	CS-116 (Sidewall 0.	5)							
Lab Sample ID: Client Matrix:	480-88495-1 Solid	% Moisture	e: 23.6		Date Sampled: 10/06/2015 Date Received: 10/06/2015				
	8082A Polyc	hlorinated Bipheny	s (PCBs) by Gas	Chromato	ography				
Analysis Method: Prep Method: Dilution: Analysis Date: Prep Date:	8082A 3550C 1.0 10/07/2015 1604 10/07/2015 0749	Analysis Batch: Prep Batch:	480-267460 480-267330	Instrum Initial W Final W Injectior Result 1	ent ID: /eight/Volume: /eight/Volume: n Volume: ſype:	HP6890-7 +2.26 g 10 mL 1 uL PRIMARY			
Analyte PCB-1016 PCB-1221 PCB-1232 PCB-1242 PCB-1248 PCB-1254 PCB-1254 PCB-1260	DryWt Correcte	d: Y Result (m ND ND ND ND ND ND ND 0.25	g/Kg) Qua J	lifier	MDL 0.057 0.057 0.057 0.057 0.057 0.14 0.14	RL 0.29 0.29 0.29 0.29 0.29 0.29 0.29 0.29			
Surrogate Tetrachloro-m-xyle DCB Decachlorobi	ne phenyl	%Rec 106 101	Qua	ifier	Acceptan 60 - 154 65 - 174	ce Limits			

# ATTACHMENT B

# SUPPORT DOCUMENTATION

J:\Projects\38395113\38395294 GE Tonawanda\Analytical\DUSR\Aug\_Oct 2015\DUSR for DOT Property.docx

I OF CUSTODY RECORD And Record   I OF CUSTODY RECORD Record   SITE NAME SITE NAME   I OF CUSTODY RECORD Record   SITE NAME SAMPLEID   I OF CUSTODY RECORD Record   SITE NAME SAMPLEID   I OF CUSTODY RECORD Record   SITE NAME SAMPLEID   I OF CUSTODY RECORD Record   State I OF CUSTOR   I Dep Officients I I I   I STATO I I I I   I STATO I I I I   I STATO I I I I I   I STATO I I I I I I I   I STATO I I I I I I I I I I I I I I I I I I I	480-87853 Chain of Custody	LAB Test America	PAGE 1 of 1			3044 TAT N, 10 10 -	3 04% TAT N, 0.5 0.5 -	304Y TAT N. 05 0.5 -				WO - OCEAN WATER LH - HAZARDOUS LIQUID WASTE WS - SUHFACE WATER LF - FLOATING/FHEE PRODUCT ON GW TABLE WQ - WATER FIELD QC	AL NUMBER (FROM 1 TO 8) TO ACCOMMODATE MULTIPLE SAMPLES IN A SINGLE DAY)	SPECIAL INSTRUCTIONS			
I OF CUSTODY RECORD   I OF CUSTODY RECORD   SITE NAME   GE Torward   GE Torward   GE Torward   Contract   Ge Torward   Contract	59	7 Z& Q V (149)	۲۵ کا ۲۵ کا ۲۰ کا	المديم ح احمي الالحلي الالحلي الالحلي	101 2001 2001 2001 2001 2001 2001 2001			1 1				ATER WL-LEACHATE GS-SOIL GAS NGS WC-DRILLING WATER	WRONMENTAL SAMPLE (≉ - SEQUENTI	DATE TIME	(signature) DATE TIME	1# (1h	1
I OF CUST I OF CUST I D P CUST I D P COFF I D P CO	ODY RECORD	site NAME 66 Torwardy	۲		SAMPLE ID MATHIX	(5-78( B= than 1-0) 50	<5-74 (Sidewell 0.5) 50	(2-80(5:Jemilo.) 50				 RI - SLUDGE WG - GROUND W MP - DRINKING WATER SO - SOIL MW - WASTE WATER DC - DRILL CUTTI	RB# - RINSE BLANK N# - NORMAL EN FR# - FIELD REPLICATE MS# - MATHIX SP	TIME RECEIVED BY (SIGNATU	TIME RECEIVED FOR LAB BY	opy to coordinator field files	
	HAIN OF CUST	st no.	HS (PRINT/SIGNATURE) L Urben /Ton Uh	N SERVICE: DEP D-FE	N DATE TIME COMP/	grefis reza bab	9/25/15 1240 Grab	9/25/15 1242 6mb				A A - AMBIENT AIR SE - SEDIMENT SH - HAZARDOUS SOLID WASTE V	TB# - TRIP BLANK BUTCATE SD# - MATRIX SPIKE DUPLICATE	IISHED BY (SIGNATURE) DATE	ISHED BY (SIGNATURE) DATE	on: Original accompanies shipment, c	

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#### 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.

AECOM	LAB 7257 Honeved	PAGE / of /	NITA LI NO" N LEEL) NEEL NG NG NG NG NG NG NG NG NG NG NG NG NG	(ныма ведили ведили обълн ( ведили обълн (	3 day THT N 05 05 -	~ 5.0 2.0 N	N U.S. 0.5 -	N 05 0.5 -	N 0-5 0-7	- 0.1 0-1 N	- 0.1 0.1 N		24 M Tar N 5 5 .	24 hr 795 N 5 5 ~	24 M TAT N 5555-	244.7AT N 5-5-	24 hr. rat R	LH - HAZARDOUS LIQUID WASTE LF - FLOATING/FREE PRODUCT ON GW TABLE	ACCOMMODATE MULTIPLE SAMPLES IN A SINGLE DAY)	ICTIONS D. D. L. L. T.	DEN LOD PM	7	
	780						0 UjB											WL - LEACHATE WO - OCEAN WATER GS - SOIL GAS WS - SURFACE WATER WC - DRILLING WATER WQ - WATER FIELD QC	SAMPLE (# - SEQUENTIAL NUMBER (FROM 1 TO 9) TO	DATE TIME SPECIAL INSTRU	DATE TIME AL 4900		)# e.C
	SITE NAME SITE NAME	Plant Bay	AIRBILL NO.:	COMP/ GRAB SAMPLE ID MATHIX POO	ACH, CSBI (SIDE WAY OS) CO [ ]	(B-87 (Si OF Walf O.S) CO	65-83 Consuma or 50 1	5-34(SIDEwall as) 50 1	(3-89 SIDEWALL OS) SO 1 1	1 1 05 (0.1mont.or) H.SD	1 1 OS (a ration ) SO 1	5-26 (Bauer	1 1 05 [orstanzars) SO 1 1	[ 2-B7(Sigenal/ 5-0) SO 1 /	1 1 05 (S-581(2:02 10 1)	(CS-89(SLUEWAH 5.0) 50 1 1	V Darsog 28 -FD-1 50 1 1	SL - SLUDGE WG - GROUND WATER WP - DRINKING WATER SO - SOIL TE WW - WASTE WATER DC - DRILL CUTTINGS	RB# - FIELD REPLICATE N# - NORMAL ENVIRONMENTAL	DATE TIME NEGENED BY (SIGNATURE)	DATE TIME RECEIVED FOR LAB BY (SIGNATURE	pment, copy to coordinator field files	
CHAIN OF CL	PROJECT NO.	SAMPLERS (PRINT/SIGNATURE)	DELIVERY SERVICE	LOCATION IDENTIFIER DATE TIME	0955 6	0/21	87121	1328	138	5461	1317	1520	0351	160	1605	1615	1	A - AMBIENT AIR A - AMBIENT AIR BE - SEDIMENT BE - SEDIMENT SE - HAZARDOUS SOLID WAST	REAL PROVINCE AND THE BLANK	RELINOUISHED BY (SIGNATURE)	RELINQUISHED BY (SIGNATURE)	Distribution: Original accompanies ship	

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#### 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 Bu	ffalo		Jc	Job No.: 480-88008-2									
SDG No.:				-									
Client Sample ID: CS-85	(SIDEWALI	0.5)	La	Lab Sample ID: 480-88008-5									
Instrument ID (1): HP689	0-7		In	Instrument ID (2): HP6890-7									
Date Analyzed (1): 09/29	/2015 15	5:22	Da	Date Analyzed (2): 09/29/2015 15:22									
GC Column (1): ZB-5	ID:	0.53(mm	) GC	Column	(2): <u>Z</u> B	-35	ID: 0.5	3 (mm)					
ΔΝΔΙ ΥΨΕ	COT	DEAK		RT WI	NDOW	CONCENT	RATION	222					
	001	FLAN	KI	FROM	TO	PEAK MEAN		RPD					
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							
	0	3	5.46	5.43	5.49	0.196							
		4	5.71	5.68	5.74	0.250							

4.29

4.61

5.06

5.39

4.26

4.58

5.03

5.36

4.32

4.64

5.09

5.42

0.361

0.702

0.243

0.255

2

1

2

3

4

0.39

AECOM	LAB Test America	COOLER 1 of 1	лигл) 1 ИО° <del>1</del> И ЦЕЕЈ И ЦЕЕЈ ЦЦ ЦЦ ЦЦ ЦЦ	SAMPLE SAMPLE SAMPLE	3 DAY TAT N, 05 05 -	-				LH - HAZARDOUS LIQUID WASTE LF - FLOATING/FREE PRODUCT ON GW TABLE	ACCOMMODATE MULTIPLE SAMPLES IN A SINGLE DAY)	ICTIONS	Deyo - lab PM	mere of #4	
									480-88495 Chain of Custody	WO - OCEAN WATER WS - SURFACE WATER ER WQ - WATER FIELD QC	COLENTIAL NUMBER (FROM 1 TO 8) TO /	TIME SPECIAL INSTRU	171ME M.C. (: 755	131°C/	
۲ ۲	280, 2/124	8 J	'South South	10 2021	-					WL - LEACHATE GS - SOIL GAS WC - DRILLING WAT	AENTAL SAMPLE (# - SE	L DATE	MTURE) DATE		
<b>RECORD</b>	Fonewanda				Sideval 0.5) 50 1					WG - GROUND WATER WATER SO - SOIL ATER DC - DRILL CUTTINGS	ANK N# - NORMAL ENVIRONM PLICATE MS# - MATRIX SPIKE	RECEIVED BY (sigharung	RECEIVED FOR LAB BY (sign	rdinator field files	
USTOD		ith		COMP/ GRAB SA	19/1-52 grag			 		SL - SLUDGE WP - DRINKING STE WW - WASTE W	ATE FR# - FIELD RE	DATE TIME	DATE TIME	l l l l l l l l l l	
VIN OF C	2945	PRINT/SIGNATURE) Urban /Tam	RVICE: Doop &	DATE TIME	10/6/15 1430		-			AA - AMBIENT AIR SE - SEDIMENT SH - HAZARDOUS SOLID WA	TB# - TRIP BLANK SD# - MATRIX SPIKE DUPLIC	D BY (SIGNATURE)	D BY (SIGNATURE)	iginal accompanies sh	
CHA	PROJECT NO	SAMPLERS (F	DELIVERY SE	LOCATION							Same Cones	RELINQUISHE	RELINQUISHE	Distribution: On	

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# 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.