39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8082A in Product/Solid	
Aroclor-1016	CT,NH,NY,ME,NC,VA
Aroclor-1016 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1221	CT,NH,NY,ME,NC,VA
Aroclor-1221 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1232	CT,NH,NY,ME,NC,VA
Aroclor-1232 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1242	CT,NH,NY,ME,NC,VA
Aroclor-1242 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1248	CT,NH,NY,ME,NC,VA
Aroclor-1248 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1254	CT,NH,NY,ME,NC,VA
Aroclor-1254 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1260	CT,NH,NY,ME,NC,VA
Aroclor-1260 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1262	NY,NC,VA
Aroclor-1262 [2C]	NY,NC,VA
Aroclor-1268	NY,NC,VA
Aroclor-1268 [2C]	NY,NC,VA

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2005	100033	02/1/2018
MA	Massachusetts DEP	M-MA100	06/30/2018
CT	Connecticut Department of Publilc Health	PH-0567	09/30/2017
NY	New York State Department of Health	10899 NELAP	04/1/2018
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2018
RI	Rhode Island Department of Health	LAO00112	12/30/2017
NC	North Carolina Div. of Water Quality	652	12/31/2017
NJ	New Jersey DEP	MA007 NELAP	06/30/2018
FL	Florida Department of Health	E871027 NELAP	06/30/2018
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2018
ME	State of Maine	2011028	06/9/2019
VA	Commonwealth of Virginia	460217	12/14/2017
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2017
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2018
NC-DW	North Carolina Department of Health	25703	07/31/2018

17H1209

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Email: info@contestlabs.com

http://www.contestlabs.com

Doc # 381 Rev 1_03242017

CHAIN OF CUSTODY RECORD

39 Spruce Street
East Longmeadow, MA 01028

Company Name:	Weston & Sampson
Address:	273 Dividend Rd, Rocky Hill, CT
Phone:	860-513-1473
Project Name:	English Station
Project Location:	510 Grand Ave, New Haven, CT
Project Number:	2170495
Project Manager:	Malcolm Beeler
Con-Test Quote Name/Number:	
Invoice Recipient:	Malcolm Beeler (Weston & Sampson)
Sampled By:	William Sirotnak

Requested Turnaround Time
7-Day ☑ 10-Day ☐
Due Date:

Rush-Approval Required
1-Day ☐ 3-Day ☐
2-Day ☐ 4-Day ☐

Data Delivery
Format: PDF ☑ EXCEL ☑
Other:
CLP Like Data Pkg Required: ☐
Email To: beelerm@wse.com
Fax To #:

ANALYSIS REQUESTED

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	[1]Matrix Code	Conc Code	PCBs via Soxhlet											# of Containers / [2] Preservation Code / [3] Container Code
1	WS-AOC14-Co-38	8/22/17	930		X	O		X											
2	WS-AOC14-Co-39	↓	940		↓	↓		X											
3	WS-AOC14-Co-40		950					X											
4	WS-AOC14-Co-41		1000			✓		X											
5	WS-AOC14-SE-38		935			Soil		X											
6	WS-AOC14-SE-39		945					X											
7	WS-AOC14-SE-40		955					X											
8	WS-AOC14-SE-41		1005					X											
9	WS-AOC14-SE-42	✓	1010		✓	✓		X											

Dissolved Metals Samples
○ Field Filtered
○ Lab to Filter

Orthophosphate Samples
○ Field Filtered
○ Lab to Filter

[1] **Matrix Codes:**
GW = Ground Water
WW = Waste Water
DW = Drinking Water
A = Air
S = Soil
SL = Sludge
SOL = Solid
O = Other (please define) Concrete

[2] **Preservation Codes:**
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium Bisulfate
X = Sodium Hydroxide
T = Sodium Thiosulfate
O = Other (please define) ~~[illegible]~~

[3] **Container Codes:**
A = Amber Glass
G = Glass
P = Plastic
ST = Sterile
V = Vial
S = Summa Canister
T = Tedlar Bag
O = Other (please define)

Comments:

Please hold excess volumes for possible SPLP analyses.

Please use the following codes to indicate possible sample concentration within the Conc Code column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Relinquished by: (signature)	8/22/17	Date/Time: 8/22/17 1500
Received by: (signature)	8/22/17	Date/Time: [illegible]
Relinquished by: (signature)	8/22/17	Date/Time: 415
Received by: (signature)	8/22/17	Date/Time: 1615
Relinquished by: (signature)		Date/Time:
Received by: (signature)		Date/Time:

Detection Limit Requirements
MA
CT
Other:

Special Requirements
☐ MA MCP Required
MCP Certification Form Required
☑ CT RCP Required
RCP Certification Form Required
☐ MA State DW Required
PWSID #

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Project Entity
☐ Government ☐ Municipality ☐ MWRA ☐ WRTA
☐ Federal ☐ 21 J ☐ School
☐ City ☐ Brownfield ☐ MBTA

Other
☐ Chromatogram
☐ *AIHA-LAP,LLC*

PCB ONLY
☐ Soxhlet
☐ Non Soxhlet

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East Longmeadow, MA. 01028
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F: 413-525-6405
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Doc# 277 Rev 5 2017

Login Sample Receipt Checklist - (Rejection Criteria Listing - Using Acceptance Policy) Any False Statement will be brought to the attention of the Client - State True or False

Client Weston & Sampson

Received By JM Date 8/22/17 Time 1615

How were the samples received? In Cooler T No Cooler ___ On Ice T No Ice ___
Direct from Sampling ___ Ambient ___ Melted Ice ___

Were samples within Temperature? 2-6°C T By Gun # 1 Actual Temp - 3.9
By Blank # ___ Actual Temp - ___

Was Custody Seal Intact? N/A Were Samples Tampered with? N/A
Was COC Relinquished ? T Does Chain Agree With Samples? T
Are there broken/leaking/loose caps on any samples? F
Is COC in ink/ Legible? T Were samples received within holding time? T
Did COC include all pertinent Information? Client T Analysis ___ Sampler Name ___
Project T ID's ___ Collection Dates/Times ___
Are Sample labels filled out and legible? T
Are there Lab to Filters? N/A Who was notified? ___
Are there Rushes? N/A Who was notified? ___
Are there Short Holds? N/A Who was notified? ___
Is there enough Volume? T
Is there Headspace where applicable? N/A MS/MSD? N/A
Proper Media/Containers Used? T Is splitting samples required? N/A
Were trip blanks received? N/A On COC? N/A
Do all samples have the proper pH? Acid ___ Base ___

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.	
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear	5
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear	4
Bisulfate-		Col./Bacteria		Flashpoint		2oz Amb/Clear	
DI-		Other Plastic		Other Glass		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Unused Media

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.	
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear	
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear	
Bisulfate-		Col./Bacteria		Flashpoint		2oz Amb/Clear	
DI-		Other Plastic		Other Glass		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Comments:

REASONABLE CONFIDENCE PROTOCOL
LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name: Con-Test Analytical Laboratory

Client: Weston & Sampson

Project Location: 510 Grand Ave., New Haven, CT

Project Number: 17H1209

Laboratory Sample ID(s):

17H1209-01 thru 17H1209-09

Sample Date(s):

08/22/2017

List RCP Methods Used:

SW-846 8082A

1	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CTDEP method-specific Reasonable Confidence Protocol documents?	☑ Yes ☐ No
1A	Were the method specified preservation and holding time requirements met?	☑ Yes ☐ No
1B	VPH and EPH Methods only: Was the VPH and EPH method conducted without significant modifications (see Section 11.3 of respective RCP methods)?	☐ Yes ☐ No ☑ N/A
2	Were all samples received by the laboratory in a condition consistent with that described on the associated chain-of-custody document(s)?	☑ Yes ☐ No
3	Were samples received at an appropriate temperature (< 6 degrees C.)?	☑ Yes ☐ No ☐ N/A
4	Were all QA/QC performance criteria specified in the CTDEP Reasonable Confidence Protocol documents achieved?	☑ Yes ☐ No
5A	Were reporting limits specified or referenced on the chain-of-custody?	☑ Yes ☐ No
5B	Were these reporting limits met?	☑ Yes ☐ No
6	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	☑ Yes ☐ No
7	Are project-specific matrix spikes and laboratory duplicates included in this data set?	☑ Yes ☐ No

Notes: For all questions to which the response was "No" (with the exception of question #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A, or #1B is "No", the data package does not meet the requirements for "Reasonable Confidence."
This form may not be altered and all questions must be answered.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete.

Authorized Signature: Tod Kopyscinski **Position:** **Laboratory Director**

Printed Name: **Tod E. Kopyscinski** **Date:** **09/05/17**

Name of Laboratory: **Con-Test Analytical Laboratory**

This certification form is to be used for RCP methods only.

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

September 18, 2017

Malcolm Beeler
Weston & Sampson
273 Dividend Road
Rocky Hill, CT 06067

Project Location: 510 Grand Ave., New Haven, CT
Client Job Number:
Project Number: 2170495
Laboratory Work Order Number: 17H1359

Enclosed are results of analyses for samples received by the laboratory on August 24, 2017. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

James M. Georgantas
Project Manager

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Weston & Sampson
273 Dividend Road
Rocky Hill, CT 06067
ATTN: Malcolm Beeler

REPORT DATE: 9/18/2017

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 2170495

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 17H1359

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: 510 Grand Ave., New Haven, CT

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
WS-AOC-12E-AS-41	17H1359-01	Product/Solid		SW-846 8082A	
WS-AOC-12E-AS-39	17H1359-02	Product/Solid		SW-846 8082A	
WS-AOC-12E-AS-37	17H1359-03	Product/Solid		SW-846 8082A	
WS-AOC-12E-AS-35	17H1359-04	Product/Solid		SW-846 8082A	
WS-AOC-12E-AS-25	17H1359-05	Product/Solid		SW-846 8082A	
WS-AOC-12E-AS-24	17H1359-06	Product/Solid		SW-846 8082A	
WS-AOC-12E-AS-21	17H1359-07	Product/Solid		SW-846 8082A	
WS-AOC-12E-CO-5	17H1359-08	Product/Solid		SW-846 8082A	
WS-AOC-12E-CO-17	17H1359-09	Product/Solid		SW-846 8082A	
WS-AOC-6-CO-1	17H1359-10	Product/Solid		SW-846 8082A	
WS-AOC-6-CO-2	17H1359-11	Product/Solid		SW-846 8082A	
WS-AOC-6-CO-3	17H1359-12	Product/Solid		SW-846 8082A	
WS-AOC-6-CO-4	17H1359-13	Product/Solid		SW-846 8082A	
WS-AOC-12E-CO-DUP-18	17H1359-14	Product/Solid		SW-846 8082A	
WS-AOC-14-SE-43	17H1359-15	Soil		SM 2540G	
				SW-846 8082A	
WS-AOC-14-SE-44	17H1359-16	Soil		SM 2540G	
				SW-846 8082A	
WS-AOC-14-SE-45	17H1359-17	Soil		SM 2540G	
				SW-846 8082A	
WS-AOC-14-SE-46	17H1359-18	Soil		SM 2540G	
				SW-846 8082A	
WS-AOC-14-SE-47	17H1359-19	Soil		SM 2540G	
				SW-846 8082A	
WS-AOC-14-SE-48	17H1359-20	Soil		SM 2540G	
				SW-846 8082A	
EB-50	17H1359-21	Equipment Blank Water		SW-846 8082A	
EB-51	17H1359-22	Equipment Blank Water		SW-846 8082A	

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CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

SW-846 8082A

Qualifications:

O-28

Initial continuing calibration standard was within method criteria. Closing continuing calibration standard was outside of method criteria, biased on the low side. Reanalysis yielded similar non-conformance, matrix interference was confirmed.

Analyte & Samples(s) Qualified:

17H1359-01[WS-AOC-12E-AS-41], 17H1359-02[WS-AOC-12E-AS-39], 17H1359-03[WS-AOC-12E-AS-37], 17H1359-05[WS-AOC-12E-AS-25], 17H1359-06[WS-AOC-12E-AS-24], 17H1359-07[WS-AOC-12E-AS-21]

R-05

Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.

Analyte & Samples(s) Qualified:

Aroclor-1016

17H1359-21[EB-50], 17H1359-22[EB-51], B185250-BLK1, B185250-BS1, B185250-BSD1

Aroclor-1016 [2C]

17H1359-21[EB-50], 17H1359-22[EB-51], B185250-BLK1, B185250-BS1, B185250-BSD1

Aroclor-1260

17H1359-21[EB-50], 17H1359-22[EB-51], B185250-BLK1, B185250-BS1, B185250-BSD1

Aroclor-1260 [2C]

17H1359-21[EB-50], 17H1359-22[EB-51], B185250-BLK1, B185250-BS1, B185250-BSD1

V-05

Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.

Analyte & Samples(s) Qualified:

Aroclor-1260

B185083-BLK1, B185083-BS1, B185083-BSD1

Aroclor-1260 [2C]

B185083-BLK1, B185083-BS1, B185083-BSD1

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

Lisa A. Worthington
Project Manager

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1359

Date Received: 8/24/2017

Field Sample #: WS-AOC-12E-AS-41 Sampled: 8/24/2017 10:00

Sample ID: 17H1359-01

Sample Matrix: Product/Solid

Sample Flags: O-28

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.080	mg/Kg wet	4		SW-846 8082A	8/29/17	9/7/17 20:38	KAL
Aroclor-1221 [1]	ND	0.080	mg/Kg wet	4		SW-846 8082A	8/29/17	9/7/17 20:38	KAL
Aroclor-1232 [1]	ND	0.080	mg/Kg wet	4		SW-846 8082A	8/29/17	9/7/17 20:38	KAL
Aroclor-1242 [1]	ND	0.080	mg/Kg wet	4		SW-846 8082A	8/29/17	9/7/17 20:38	KAL
Aroclor-1248 [1]	ND	0.080	mg/Kg wet	4		SW-846 8082A	8/29/17	9/7/17 20:38	KAL
Aroclor-1254 [1]	ND	0.080	mg/Kg wet	4		SW-846 8082A	8/29/17	9/7/17 20:38	KAL
Aroclor-1260 [1]	ND	0.080	mg/Kg wet	4		SW-846 8082A	8/29/17	9/7/17 20:38	KAL
Aroclor-1262 [1]	ND	0.080	mg/Kg wet	4		SW-846 8082A	8/29/17	9/7/17 20:38	KAL
Aroclor-1268 [1]	ND	0.080	mg/Kg wet	4		SW-846 8082A	8/29/17	9/7/17 20:38	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	75.2	30-150		9/7/17 20:38
Decachlorobiphenyl [2]	88.1	30-150		9/7/17 20:38
Tetrachloro-m-xylene [1]	88.3	30-150		9/7/17 20:38
Tetrachloro-m-xylene [2]	86.1	30-150		9/7/17 20:38

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1359

Date Received: 8/24/2017

Field Sample #: WS-AOC-12E-AS-39 Sampled: 8/24/2017 10:10

Sample ID: 17H1359-02

Sample Matrix: Product/Solid

Sample Flags: O-28

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.080	mg/Kg wet	4		SW-846 8082A	8/29/17	9/7/17 20:55	KAL
Aroclor-1221 [1]	ND	0.080	mg/Kg wet	4		SW-846 8082A	8/29/17	9/7/17 20:55	KAL
Aroclor-1232 [1]	ND	0.080	mg/Kg wet	4		SW-846 8082A	8/29/17	9/7/17 20:55	KAL
Aroclor-1242 [1]	ND	0.080	mg/Kg wet	4		SW-846 8082A	8/29/17	9/7/17 20:55	KAL
Aroclor-1248 [1]	ND	0.080	mg/Kg wet	4		SW-846 8082A	8/29/17	9/7/17 20:55	KAL
Aroclor-1254 [1]	ND	0.080	mg/Kg wet	4		SW-846 8082A	8/29/17	9/7/17 20:55	KAL
Aroclor-1260 [1]	0.13	0.080	mg/Kg wet	4		SW-846 8082A	8/29/17	9/7/17 20:55	KAL
Aroclor-1262 [1]	ND	0.080	mg/Kg wet	4		SW-846 8082A	8/29/17	9/7/17 20:55	KAL
Aroclor-1268 [1]	ND	0.080	mg/Kg wet	4		SW-846 8082A	8/29/17	9/7/17 20:55	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	72.7	30-150		9/7/17 20:55
Decachlorobiphenyl [2]	84.6	30-150		9/7/17 20:55
Tetrachloro-m-xylene [1]	87.1	30-150		9/7/17 20:55
Tetrachloro-m-xylene [2]	83.3	30-150		9/7/17 20:55

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1359

Date Received: 8/24/2017

Field Sample #: WS-AOC-12E-AS-37 Sampled: 8/24/2017 10:20

Sample ID: 17H1359-03

Sample Matrix: Product/Solid

Sample Flags: O-28

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.078	mg/Kg wet	4		SW-846 8082A	8/29/17	9/7/17 21:13	KAL
Aroclor-1221 [1]	ND	0.078	mg/Kg wet	4		SW-846 8082A	8/29/17	9/7/17 21:13	KAL
Aroclor-1232 [1]	ND	0.078	mg/Kg wet	4		SW-846 8082A	8/29/17	9/7/17 21:13	KAL
Aroclor-1242 [1]	ND	0.078	mg/Kg wet	4		SW-846 8082A	8/29/17	9/7/17 21:13	KAL
Aroclor-1248 [1]	ND	0.078	mg/Kg wet	4		SW-846 8082A	8/29/17	9/7/17 21:13	KAL
Aroclor-1254 [1]	ND	0.078	mg/Kg wet	4		SW-846 8082A	8/29/17	9/7/17 21:13	KAL
Aroclor-1260 [1]	0.098	0.078	mg/Kg wet	4		SW-846 8082A	8/29/17	9/7/17 21:13	KAL
Aroclor-1262 [1]	ND	0.078	mg/Kg wet	4		SW-846 8082A	8/29/17	9/7/17 21:13	KAL
Aroclor-1268 [1]	ND	0.078	mg/Kg wet	4		SW-846 8082A	8/29/17	9/7/17 21:13	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	93.1	30-150		9/7/17 21:13
Decachlorobiphenyl [2]	109	30-150		9/7/17 21:13
Tetrachloro-m-xylene [1]	111	30-150		9/7/17 21:13
Tetrachloro-m-xylene [2]	105	30-150		9/7/17 21:13

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1359

Date Received: 8/24/2017

Field Sample #: WS-AOC-12E-AS-35 Sampled: 8/24/2017 10:30

Sample ID: 17H1359-04

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.080	mg/Kg wet	4		SW-846 8082A	8/30/17	9/5/17 19:47	KAL
Aroclor-1221 [1]	ND	0.080	mg/Kg wet	4		SW-846 8082A	8/30/17	9/5/17 19:47	KAL
Aroclor-1232 [1]	ND	0.080	mg/Kg wet	4		SW-846 8082A	8/30/17	9/5/17 19:47	KAL
Aroclor-1242 [1]	ND	0.080	mg/Kg wet	4		SW-846 8082A	8/30/17	9/5/17 19:47	KAL
Aroclor-1248 [1]	ND	0.080	mg/Kg wet	4		SW-846 8082A	8/30/17	9/5/17 19:47	KAL
Aroclor-1254 [1]	ND	0.080	mg/Kg wet	4		SW-846 8082A	8/30/17	9/5/17 19:47	KAL
Aroclor-1260 [2]	0.14	0.080	mg/Kg wet	4		SW-846 8082A	8/30/17	9/5/17 19:47	KAL
Aroclor-1262 [1]	ND	0.080	mg/Kg wet	4		SW-846 8082A	8/30/17	9/5/17 19:47	KAL
Aroclor-1268 [1]	ND	0.080	mg/Kg wet	4		SW-846 8082A	8/30/17	9/5/17 19:47	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	75.2	30-150		9/5/17 19:47
Decachlorobiphenyl [2]	93.8	30-150		9/5/17 19:47
Tetrachloro-m-xylene [1]	76.3	30-150		9/5/17 19:47
Tetrachloro-m-xylene [2]	91.4	30-150		9/5/17 19:47

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1359

Date Received: 8/24/2017

Field Sample #: WS-AOC-12E-AS-25 Sampled: 8/24/2017 10:40

Sample ID: 17H1359-05

Sample Matrix: Product/Solid

Sample Flags: O-28

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.080	mg/Kg wet	4		SW-846 8082A	8/29/17	9/7/17 21:48	KAL
Aroclor-1221 [1]	ND	0.080	mg/Kg wet	4		SW-846 8082A	8/29/17	9/7/17 21:48	KAL
Aroclor-1232 [1]	ND	0.080	mg/Kg wet	4		SW-846 8082A	8/29/17	9/7/17 21:48	KAL
Aroclor-1242 [1]	ND	0.080	mg/Kg wet	4		SW-846 8082A	8/29/17	9/7/17 21:48	KAL
Aroclor-1248 [1]	ND	0.080	mg/Kg wet	4		SW-846 8082A	8/29/17	9/7/17 21:48	KAL
Aroclor-1254 [1]	ND	0.080	mg/Kg wet	4		SW-846 8082A	8/29/17	9/7/17 21:48	KAL
Aroclor-1260 [1]	0.10	0.080	mg/Kg wet	4		SW-846 8082A	8/29/17	9/7/17 21:48	KAL
Aroclor-1262 [1]	ND	0.080	mg/Kg wet	4		SW-846 8082A	8/29/17	9/7/17 21:48	KAL
Aroclor-1268 [2]	0.087	0.080	mg/Kg wet	4		SW-846 8082A	8/29/17	9/7/17 21:48	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	74.8	30-150		9/7/17 21:48
Decachlorobiphenyl [2]	85.8	30-150		9/7/17 21:48
Tetrachloro-m-xylene [1]	103	30-150		9/7/17 21:48
Tetrachloro-m-xylene [2]	99.7	30-150		9/7/17 21:48

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1359

Date Received: 8/24/2017

Field Sample #: WS-AOC-12E-AS-24 Sampled: 8/24/2017 10:50

Sample ID: 17H1359-06

Sample Matrix: Product/Solid

Sample Flags: O-28

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.078	mg/Kg wet	4		SW-846 8082A	8/29/17	9/7/17 22:05	KAL
Aroclor-1221 [1]	ND	0.078	mg/Kg wet	4		SW-846 8082A	8/29/17	9/7/17 22:05	KAL
Aroclor-1232 [1]	ND	0.078	mg/Kg wet	4		SW-846 8082A	8/29/17	9/7/17 22:05	KAL
Aroclor-1242 [1]	ND	0.078	mg/Kg wet	4		SW-846 8082A	8/29/17	9/7/17 22:05	KAL
Aroclor-1248 [1]	ND	0.078	mg/Kg wet	4		SW-846 8082A	8/29/17	9/7/17 22:05	KAL
Aroclor-1254 [1]	ND	0.078	mg/Kg wet	4		SW-846 8082A	8/29/17	9/7/17 22:05	KAL
Aroclor-1260 [1]	0.14	0.078	mg/Kg wet	4		SW-846 8082A	8/29/17	9/7/17 22:05	KAL
Aroclor-1262 [1]	ND	0.078	mg/Kg wet	4		SW-846 8082A	8/29/17	9/7/17 22:05	KAL
Aroclor-1268 [1]	ND	0.078	mg/Kg wet	4		SW-846 8082A	8/29/17	9/7/17 22:05	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	66.2	30-150		9/7/17 22:05
Decachlorobiphenyl [2]	74.2	30-150		9/7/17 22:05
Tetrachloro-m-xylene [1]	94.3	30-150		9/7/17 22:05
Tetrachloro-m-xylene [2]	87.9	30-150		9/7/17 22:05

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1359

Date Received: 8/24/2017

Field Sample #: WS-AOC-12E-AS-21 Sampled: 8/24/2017 11:00

Sample ID: 17H1359-07

Sample Matrix: Product/Solid

Sample Flags: O-28

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.080	mg/Kg wet	4		SW-846 8082A	8/29/17	9/7/17 22:23	KAL
Aroclor-1221 [1]	ND	0.080	mg/Kg wet	4		SW-846 8082A	8/29/17	9/7/17 22:23	KAL
Aroclor-1232 [1]	ND	0.080	mg/Kg wet	4		SW-846 8082A	8/29/17	9/7/17 22:23	KAL
Aroclor-1242 [1]	ND	0.080	mg/Kg wet	4		SW-846 8082A	8/29/17	9/7/17 22:23	KAL
Aroclor-1248 [1]	ND	0.080	mg/Kg wet	4		SW-846 8082A	8/29/17	9/7/17 22:23	KAL
Aroclor-1254 [1]	ND	0.080	mg/Kg wet	4		SW-846 8082A	8/29/17	9/7/17 22:23	KAL
Aroclor-1260 [1]	0.16	0.080	mg/Kg wet	4		SW-846 8082A	8/29/17	9/7/17 22:23	KAL
Aroclor-1262 [1]	ND	0.080	mg/Kg wet	4		SW-846 8082A	8/29/17	9/7/17 22:23	KAL
Aroclor-1268 [2]	0.20	0.080	mg/Kg wet	4		SW-846 8082A	8/29/17	9/7/17 22:23	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	66.4	30-150		9/7/17 22:23
Decachlorobiphenyl [2]	73.8	30-150		9/7/17 22:23
Tetrachloro-m-xylene [1]	92.0	30-150		9/7/17 22:23
Tetrachloro-m-xylene [2]	87.7	30-150		9/7/17 22:23

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1359

Date Received: 8/24/2017

Field Sample #: WS-AOC-12E-CO-5 Sampled: 8/24/2017 11:10

Sample ID: 17H1359-08

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.074	mg/Kg	1		SW-846 8082A	8/29/17	9/5/17 16:20	JMB
Aroclor-1221 [1]	ND	0.074	mg/Kg	1		SW-846 8082A	8/29/17	9/5/17 16:20	JMB
Aroclor-1232 [1]	ND	0.074	mg/Kg	1		SW-846 8082A	8/29/17	9/5/17 16:20	JMB
Aroclor-1242 [1]	ND	0.074	mg/Kg	1		SW-846 8082A	8/29/17	9/5/17 16:20	JMB
Aroclor-1248 [1]	ND	0.074	mg/Kg	1		SW-846 8082A	8/29/17	9/5/17 16:20	JMB
Aroclor-1254 [1]	ND	0.074	mg/Kg	1		SW-846 8082A	8/29/17	9/5/17 16:20	JMB
Aroclor-1260 [1]	ND	0.074	mg/Kg	1		SW-846 8082A	8/29/17	9/5/17 16:20	JMB
Aroclor-1262 [1]	ND	0.074	mg/Kg	1		SW-846 8082A	8/29/17	9/5/17 16:20	JMB
Aroclor-1268 [2]	0.47	0.074	mg/Kg	1		SW-846 8082A	8/29/17	9/5/17 16:20	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	118	30-150		9/5/17 16:20
Decachlorobiphenyl [2]	99.6	30-150		9/5/17 16:20
Tetrachloro-m-xylene [1]	112	30-150		9/5/17 16:20
Tetrachloro-m-xylene [2]	75.4	30-150		9/5/17 16:20

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1359

Date Received: 8/24/2017

Field Sample #: WS-AOC-12E-CO-17 Sampled: 8/24/2017 11:20

Sample ID: 17H1359-09

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.087	mg/Kg	1		SW-846 8082A	8/29/17	9/5/17 16:37	JMB
Aroclor-1221 [1]	ND	0.087	mg/Kg	1		SW-846 8082A	8/29/17	9/5/17 16:37	JMB
Aroclor-1232 [1]	ND	0.087	mg/Kg	1		SW-846 8082A	8/29/17	9/5/17 16:37	JMB
Aroclor-1242 [1]	ND	0.087	mg/Kg	1		SW-846 8082A	8/29/17	9/5/17 16:37	JMB
Aroclor-1248 [1]	ND	0.087	mg/Kg	1		SW-846 8082A	8/29/17	9/5/17 16:37	JMB
Aroclor-1254 [1]	ND	0.087	mg/Kg	1		SW-846 8082A	8/29/17	9/5/17 16:37	JMB
Aroclor-1260 [1]	ND	0.087	mg/Kg	1		SW-846 8082A	8/29/17	9/5/17 16:37	JMB
Aroclor-1262 [1]	ND	0.087	mg/Kg	1		SW-846 8082A	8/29/17	9/5/17 16:37	JMB
Aroclor-1268 [1]	ND	0.087	mg/Kg	1		SW-846 8082A	8/29/17	9/5/17 16:37	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	90.3	30-150		9/5/17 16:37
Decachlorobiphenyl [2]	82.4	30-150		9/5/17 16:37
Tetrachloro-m-xylene [1]	99.7	30-150		9/5/17 16:37
Tetrachloro-m-xylene [2]	72.5	30-150		9/5/17 16:37

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1359

Date Received: 8/24/2017

Field Sample #: WS-AOC-6-CO-1 Sampled: 8/24/2017 11:30

Sample ID: 17H1359-10

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.084	mg/Kg	1		SW-846 8082A	8/29/17	9/5/17 16:55	JMB
Aroclor-1221 [1]	ND	0.084	mg/Kg	1		SW-846 8082A	8/29/17	9/5/17 16:55	JMB
Aroclor-1232 [1]	ND	0.084	mg/Kg	1		SW-846 8082A	8/29/17	9/5/17 16:55	JMB
Aroclor-1242 [1]	ND	0.084	mg/Kg	1		SW-846 8082A	8/29/17	9/5/17 16:55	JMB
Aroclor-1248 [1]	ND	0.084	mg/Kg	1		SW-846 8082A	8/29/17	9/5/17 16:55	JMB
Aroclor-1254 [1]	ND	0.084	mg/Kg	1		SW-846 8082A	8/29/17	9/5/17 16:55	JMB
Aroclor-1260 [1]	ND	0.084	mg/Kg	1		SW-846 8082A	8/29/17	9/5/17 16:55	JMB
Aroclor-1262 [1]	ND	0.084	mg/Kg	1		SW-846 8082A	8/29/17	9/5/17 16:55	JMB
Aroclor-1268 [1]	ND	0.084	mg/Kg	1		SW-846 8082A	8/29/17	9/5/17 16:55	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	87.8	30-150		9/5/17 16:55
Decachlorobiphenyl [2]	84.2	30-150		9/5/17 16:55
Tetrachloro-m-xylene [1]	95.7	30-150		9/5/17 16:55
Tetrachloro-m-xylene [2]	71.4	30-150		9/5/17 16:55

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1359

Date Received: 8/24/2017

Field Sample #: WS-AOC-6-CO-2 Sampled: 8/24/2017 11:40

Sample ID: 17H1359-11

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	8/29/17	9/5/17 17:12	JMB
Aroclor-1221 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	8/29/17	9/5/17 17:12	JMB
Aroclor-1232 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	8/29/17	9/5/17 17:12	JMB
Aroclor-1242 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	8/29/17	9/5/17 17:12	JMB
Aroclor-1248 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	8/29/17	9/5/17 17:12	JMB
Aroclor-1254 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	8/29/17	9/5/17 17:12	JMB
Aroclor-1260 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	8/29/17	9/5/17 17:12	JMB
Aroclor-1262 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	8/29/17	9/5/17 17:12	JMB
Aroclor-1268 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	8/29/17	9/5/17 17:12	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	69.8	30-150		9/5/17 17:12
Decachlorobiphenyl [2]	72.6	30-150		9/5/17 17:12
Tetrachloro-m-xylene [1]	73.0	30-150		9/5/17 17:12
Tetrachloro-m-xylene [2]	64.5	30-150		9/5/17 17:12

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1359

Date Received: 8/24/2017

Field Sample #: WS-AOC-6-CO-3 Sampled: 8/24/2017 11:50

Sample ID: 17H1359-12

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.078	mg/Kg	1		SW-846 8082A	8/29/17	9/5/17 17:30	JMB
Aroclor-1221 [1]	ND	0.078	mg/Kg	1		SW-846 8082A	8/29/17	9/5/17 17:30	JMB
Aroclor-1232 [1]	ND	0.078	mg/Kg	1		SW-846 8082A	8/29/17	9/5/17 17:30	JMB
Aroclor-1242 [1]	ND	0.078	mg/Kg	1		SW-846 8082A	8/29/17	9/5/17 17:30	JMB
Aroclor-1248 [1]	ND	0.078	mg/Kg	1		SW-846 8082A	8/29/17	9/5/17 17:30	JMB
Aroclor-1254 [1]	ND	0.078	mg/Kg	1		SW-846 8082A	8/29/17	9/5/17 17:30	JMB
Aroclor-1260 [1]	ND	0.078	mg/Kg	1		SW-846 8082A	8/29/17	9/5/17 17:30	JMB
Aroclor-1262 [1]	ND	0.078	mg/Kg	1		SW-846 8082A	8/29/17	9/5/17 17:30	JMB
Aroclor-1268 [1]	ND	0.078	mg/Kg	1		SW-846 8082A	8/29/17	9/5/17 17:30	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	63.9	30-150		9/5/17 17:30
Decachlorobiphenyl [2]	68.7	30-150		9/5/17 17:30
Tetrachloro-m-xylene [1]	68.0	30-150		9/5/17 17:30
Tetrachloro-m-xylene [2]	63.5	30-150		9/5/17 17:30

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1359

Date Received: 8/24/2017

Field Sample #: WS-AOC-6-CO-4 Sampled: 8/24/2017 12:00

Sample ID: 17H1359-13

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.072	mg/Kg	1		SW-846 8082A	8/29/17	9/5/17 17:47	JMB
Aroclor-1221 [1]	ND	0.072	mg/Kg	1		SW-846 8082A	8/29/17	9/5/17 17:47	JMB
Aroclor-1232 [1]	ND	0.072	mg/Kg	1		SW-846 8082A	8/29/17	9/5/17 17:47	JMB
Aroclor-1242 [1]	ND	0.072	mg/Kg	1		SW-846 8082A	8/29/17	9/5/17 17:47	JMB
Aroclor-1248 [1]	ND	0.072	mg/Kg	1		SW-846 8082A	8/29/17	9/5/17 17:47	JMB
Aroclor-1254 [1]	ND	0.072	mg/Kg	1		SW-846 8082A	8/29/17	9/5/17 17:47	JMB
Aroclor-1260 [1]	ND	0.072	mg/Kg	1		SW-846 8082A	8/29/17	9/5/17 17:47	JMB
Aroclor-1262 [1]	ND	0.072	mg/Kg	1		SW-846 8082A	8/29/17	9/5/17 17:47	JMB
Aroclor-1268 [1]	ND	0.072	mg/Kg	1		SW-846 8082A	8/29/17	9/5/17 17:47	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	77.6	30-150		9/5/17 17:47
Decachlorobiphenyl [2]	77.0	30-150		9/5/17 17:47
Tetrachloro-m-xylene [1]	83.1	30-150		9/5/17 17:47
Tetrachloro-m-xylene [2]	69.5	30-150		9/5/17 17:47

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1359

Date Received: 8/24/2017

Field Sample #: WS-AOC-12E-CO-DUP-18 Sampled: 8/24/2017 00:00

Sample ID: 17H1359-14

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.082	mg/Kg	1		SW-846 8082A	8/29/17	9/5/17 18:05	JMB
Aroclor-1221 [1]	ND	0.082	mg/Kg	1		SW-846 8082A	8/29/17	9/5/17 18:05	JMB
Aroclor-1232 [1]	ND	0.082	mg/Kg	1		SW-846 8082A	8/29/17	9/5/17 18:05	JMB
Aroclor-1242 [1]	ND	0.082	mg/Kg	1		SW-846 8082A	8/29/17	9/5/17 18:05	JMB
Aroclor-1248 [1]	ND	0.082	mg/Kg	1		SW-846 8082A	8/29/17	9/5/17 18:05	JMB
Aroclor-1254 [1]	ND	0.082	mg/Kg	1		SW-846 8082A	8/29/17	9/5/17 18:05	JMB
Aroclor-1260 [1]	ND	0.082	mg/Kg	1		SW-846 8082A	8/29/17	9/5/17 18:05	JMB
Aroclor-1262 [1]	ND	0.082	mg/Kg	1		SW-846 8082A	8/29/17	9/5/17 18:05	JMB
Aroclor-1268 [2]	0.40	0.082	mg/Kg	1		SW-846 8082A	8/29/17	9/5/17 18:05	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	92.9	30-150		9/5/17 18:05
Decachlorobiphenyl [2]	84.6	30-150		9/5/17 18:05
Tetrachloro-m-xylene [1]	93.8	30-150		9/5/17 18:05
Tetrachloro-m-xylene [2]	67.0	30-150		9/5/17 18:05

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1359

Date Received: 8/24/2017

Field Sample #: WS-AOC-14-SE-43 Sampled: 8/24/2017 13:00

Sample ID: 17H1359-15

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.29	mg/Kg dry	4		SW-846 8082A	8/29/17	9/9/17 7:46	PJG
Aroclor-1221 [1]	ND	0.29	mg/Kg dry	4		SW-846 8082A	8/29/17	9/9/17 7:46	PJG
Aroclor-1232 [1]	ND	0.29	mg/Kg dry	4		SW-846 8082A	8/29/17	9/9/17 7:46	PJG
Aroclor-1242 [1]	ND	0.29	mg/Kg dry	4		SW-846 8082A	8/29/17	9/9/17 7:46	PJG
Aroclor-1248 [1]	0.36	0.29	mg/Kg dry	4		SW-846 8082A	8/29/17	9/9/17 7:46	PJG
Aroclor-1254 [2]	0.37	0.29	mg/Kg dry	4		SW-846 8082A	8/29/17	9/9/17 7:46	PJG
Aroclor-1260 [2]	0.31	0.29	mg/Kg dry	4		SW-846 8082A	8/29/17	9/9/17 7:46	PJG
Aroclor-1262 [1]	ND	0.29	mg/Kg dry	4		SW-846 8082A	8/29/17	9/9/17 7:46	PJG
Aroclor-1268 [1]	ND	0.29	mg/Kg dry	4		SW-846 8082A	8/29/17	9/9/17 7:46	PJG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	82.2	30-150		9/9/17 7:46
Decachlorobiphenyl [2]	100	30-150		9/9/17 7:46
Tetrachloro-m-xylene [1]	92.7	30-150		9/9/17 7:46
Tetrachloro-m-xylene [2]	96.1	30-150		9/9/17 7:46

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1359

Date Received: 8/24/2017

Field Sample #: WS-AOC-14-SE-43 Sampled: 8/24/2017 13:00

Sample ID: 17H1359-15

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	27.7		% Wt	1		SM 2540G	8/30/17	8/31/17 8:44	MRL

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1359

Date Received: 8/24/2017

Field Sample #: WS-AOC-14-SE-44 Sampled: 8/24/2017 13:10

Sample ID: 17H1359-16

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.18	mg/Kg dry	4		SW-846 8082A	8/29/17	9/9/17 8:04	PJG
Aroclor-1221 [1]	ND	0.18	mg/Kg dry	4		SW-846 8082A	8/29/17	9/9/17 8:04	PJG
Aroclor-1232 [1]	ND	0.18	mg/Kg dry	4		SW-846 8082A	8/29/17	9/9/17 8:04	PJG
Aroclor-1242 [1]	ND	0.18	mg/Kg dry	4		SW-846 8082A	8/29/17	9/9/17 8:04	PJG
Aroclor-1248 [1]	0.55	0.18	mg/Kg dry	4		SW-846 8082A	8/29/17	9/9/17 8:04	PJG
Aroclor-1254 [2]	0.72	0.18	mg/Kg dry	4		SW-846 8082A	8/29/17	9/9/17 8:04	PJG
Aroclor-1260 [2]	0.40	0.18	mg/Kg dry	4		SW-846 8082A	8/29/17	9/9/17 8:04	PJG
Aroclor-1262 [1]	ND	0.18	mg/Kg dry	4		SW-846 8082A	8/29/17	9/9/17 8:04	PJG
Aroclor-1268 [1]	ND	0.18	mg/Kg dry	4		SW-846 8082A	8/29/17	9/9/17 8:04	PJG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	88.6	30-150		9/9/17 8:04
Decachlorobiphenyl [2]	110	30-150		9/9/17 8:04
Tetrachloro-m-xylene [1]	100	30-150		9/9/17 8:04
Tetrachloro-m-xylene [2]	104	30-150		9/9/17 8:04

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1359

Date Received: 8/24/2017

Field Sample #: WS-AOC-14-SE-44 Sampled: 8/24/2017 13:10

Sample ID: 17H1359-16

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	43.9		% Wt	1		SM 2540G	8/30/17	8/31/17 8:44	MRL

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1359

Date Received: 8/24/2017

Field Sample #: WS-AOC-14-SE-45 Sampled: 8/24/2017 13:20

Sample ID: 17H1359-17

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	1.3	mg/Kg dry	20		SW-846 8082A	8/29/17	9/9/17 8:22	PJG
Aroclor-1221 [1]	ND	1.3	mg/Kg dry	20		SW-846 8082A	8/29/17	9/9/17 8:22	PJG
Aroclor-1232 [1]	ND	1.3	mg/Kg dry	20		SW-846 8082A	8/29/17	9/9/17 8:22	PJG
Aroclor-1242 [1]	ND	1.3	mg/Kg dry	20		SW-846 8082A	8/29/17	9/9/17 8:22	PJG
Aroclor-1248 [1]	4.6	1.3	mg/Kg dry	20		SW-846 8082A	8/29/17	9/9/17 8:22	PJG
Aroclor-1254 [2]	4.0	1.3	mg/Kg dry	20		SW-846 8082A	8/29/17	9/9/17 8:22	PJG
Aroclor-1260 [2]	1.3	1.3	mg/Kg dry	20		SW-846 8082A	8/29/17	9/9/17 8:22	PJG
Aroclor-1262 [1]	ND	1.3	mg/Kg dry	20		SW-846 8082A	8/29/17	9/9/17 8:22	PJG
Aroclor-1268 [1]	ND	1.3	mg/Kg dry	20		SW-846 8082A	8/29/17	9/9/17 8:22	PJG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	93.7	30-150		9/9/17 8:22
Decachlorobiphenyl [2]	104	30-150		9/9/17 8:22
Tetrachloro-m-xylene [1]	111	30-150		9/9/17 8:22
Tetrachloro-m-xylene [2]	98.7	30-150		9/9/17 8:22

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1359

Date Received: 8/24/2017

Field Sample #: WS-AOC-14-SE-45 Sampled: 8/24/2017 13:20

Sample ID: 17H1359-17

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	31.5		% Wt	1		SM 2540G	8/30/17	8/31/17 8:44	MRL

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1359

Date Received: 8/24/2017

Field Sample #: WS-AOC-14-SE-46 Sampled: 8/24/2017 13:30

Sample ID: 17H1359-18

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.19	mg/Kg dry	4		SW-846 8082A	8/29/17	9/9/17 8:40	PJG
Aroclor-1221 [1]	ND	0.19	mg/Kg dry	4		SW-846 8082A	8/29/17	9/9/17 8:40	PJG
Aroclor-1232 [1]	ND	0.19	mg/Kg dry	4		SW-846 8082A	8/29/17	9/9/17 8:40	PJG
Aroclor-1242 [1]	ND	0.19	mg/Kg dry	4		SW-846 8082A	8/29/17	9/9/17 8:40	PJG
Aroclor-1248 [2]	0.81	0.19	mg/Kg dry	4		SW-846 8082A	8/29/17	9/9/17 8:40	PJG
Aroclor-1254 [2]	0.90	0.19	mg/Kg dry	4		SW-846 8082A	8/29/17	9/9/17 8:40	PJG
Aroclor-1260 [2]	0.45	0.19	mg/Kg dry	4		SW-846 8082A	8/29/17	9/9/17 8:40	PJG
Aroclor-1262 [1]	ND	0.19	mg/Kg dry	4		SW-846 8082A	8/29/17	9/9/17 8:40	PJG
Aroclor-1268 [1]	ND	0.19	mg/Kg dry	4		SW-846 8082A	8/29/17	9/9/17 8:40	PJG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	88.6	30-150		9/9/17 8:40
Decachlorobiphenyl [2]	109	30-150		9/9/17 8:40
Tetrachloro-m-xylene [1]	86.4	30-150		9/9/17 8:40
Tetrachloro-m-xylene [2]	98.4	30-150		9/9/17 8:40

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1359

Date Received: 8/24/2017

Field Sample #: WS-AOC-14-SE-46 Sampled: 8/24/2017 13:30

Sample ID: 17H1359-18

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	41.6		% Wt	1		SM 2540G	8/30/17	8/31/17 8:44	MRL

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1359

Date Received: 8/24/2017

Field Sample #: WS-AOC-14-SE-47 Sampled: 8/24/2017 13:40

Sample ID: 17H1359-19

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	mg/Kg dry	4		SW-846 8082A	8/29/17	9/9/17 8:58	PJG
Aroclor-1221 [1]	ND	0.20	mg/Kg dry	4		SW-846 8082A	8/29/17	9/9/17 8:58	PJG
Aroclor-1232 [1]	ND	0.20	mg/Kg dry	4		SW-846 8082A	8/29/17	9/9/17 8:58	PJG
Aroclor-1242 [1]	ND	0.20	mg/Kg dry	4		SW-846 8082A	8/29/17	9/9/17 8:58	PJG
Aroclor-1248 [2]	0.97	0.20	mg/Kg dry	4		SW-846 8082A	8/29/17	9/9/17 8:58	PJG
Aroclor-1254 [2]	1.0	0.20	mg/Kg dry	4		SW-846 8082A	8/29/17	9/9/17 8:58	PJG
Aroclor-1260 [2]	0.55	0.20	mg/Kg dry	4		SW-846 8082A	8/29/17	9/9/17 8:58	PJG
Aroclor-1262 [1]	ND	0.20	mg/Kg dry	4		SW-846 8082A	8/29/17	9/9/17 8:58	PJG
Aroclor-1268 [1]	ND	0.20	mg/Kg dry	4		SW-846 8082A	8/29/17	9/9/17 8:58	PJG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	79.8	30-150		9/9/17 8:58
Decachlorobiphenyl [2]	101	30-150		9/9/17 8:58
Tetrachloro-m-xylene [1]	93.0	30-150		9/9/17 8:58
Tetrachloro-m-xylene [2]	95.9	30-150		9/9/17 8:58

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1359

Date Received: 8/24/2017

Field Sample #: WS-AOC-14-SE-47 Sampled: 8/24/2017 13:40

Sample ID: 17H1359-19

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	38.7		% Wt	1		SM 2540G	8/30/17	8/31/17 8:44	MRL

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1359

Date Received: 8/24/2017

Field Sample #: WS-AOC-14-SE-48 Sampled: 8/24/2017 13:50

Sample ID: 17H1359-20

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.21	mg/Kg dry	4		SW-846 8082A	8/29/17	9/9/17 9:16	PJG
Aroclor-1221 [1]	ND	0.21	mg/Kg dry	4		SW-846 8082A	8/29/17	9/9/17 9:16	PJG
Aroclor-1232 [1]	ND	0.21	mg/Kg dry	4		SW-846 8082A	8/29/17	9/9/17 9:16	PJG
Aroclor-1242 [1]	ND	0.21	mg/Kg dry	4		SW-846 8082A	8/29/17	9/9/17 9:16	PJG
Aroclor-1248 [1]	ND	0.21	mg/Kg dry	4		SW-846 8082A	8/29/17	9/9/17 9:16	PJG
Aroclor-1254 [1]	ND	0.21	mg/Kg dry	4		SW-846 8082A	8/29/17	9/9/17 9:16	PJG
Aroclor-1260 [2]	0.30	0.21	mg/Kg dry	4		SW-846 8082A	8/29/17	9/9/17 9:16	PJG
Aroclor-1262 [1]	ND	0.21	mg/Kg dry	4		SW-846 8082A	8/29/17	9/9/17 9:16	PJG
Aroclor-1268 [1]	ND	0.21	mg/Kg dry	4		SW-846 8082A	8/29/17	9/9/17 9:16	PJG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	73.9	30-150		9/9/17 9:16
Decachlorobiphenyl [2]	95.8	30-150		9/9/17 9:16
Tetrachloro-m-xylene [1]	80.2	30-150		9/9/17 9:16
Tetrachloro-m-xylene [2]	87.6	30-150		9/9/17 9:16

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1359

Date Received: 8/24/2017

Field Sample #: WS-AOC-14-SE-48 Sampled: 8/24/2017 13:50

Sample ID: 17H1359-20

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	37.5		% Wt	1		SM 2540G	8/30/17	8/31/17 8:44	MRL

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1359

Date Received: 8/24/2017

Field Sample #: EB-50 Sampled: 8/24/2017 08:00

Sample ID: 17H1359-21

Sample Matrix: Equipment Blank Water

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/L	1	R-05	SW-846 8082A	8/30/17	9/1/17 14:19	TG
Aroclor-1221 [1]	ND	0.20	µg/L	1		SW-846 8082A	8/30/17	9/1/17 14:19	TG
Aroclor-1232 [1]	ND	0.20	µg/L	1		SW-846 8082A	8/30/17	9/1/17 14:19	TG
Aroclor-1242 [1]	ND	0.20	µg/L	1		SW-846 8082A	8/30/17	9/1/17 14:19	TG
Aroclor-1248 [1]	ND	0.20	µg/L	1		SW-846 8082A	8/30/17	9/1/17 14:19	TG
Aroclor-1254 [1]	ND	0.20	µg/L	1		SW-846 8082A	8/30/17	9/1/17 14:19	TG
Aroclor-1260 [1]	ND	0.20	µg/L	1	R-05	SW-846 8082A	8/30/17	9/1/17 14:19	TG
Aroclor-1262 [1]	ND	0.20	µg/L	1		SW-846 8082A	8/30/17	9/1/17 14:19	TG
Aroclor-1268 [1]	ND	0.20	µg/L	1		SW-846 8082A	8/30/17	9/1/17 14:19	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	61.0	30-150		9/1/17 14:19
Decachlorobiphenyl [2]	54.0	30-150		9/1/17 14:19
Tetrachloro-m-xylene [1]	70.7	30-150		9/1/17 14:19
Tetrachloro-m-xylene [2]	70.8	30-150		9/1/17 14:19

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1359

Date Received: 8/24/2017

Field Sample #: EB-51 Sampled: 8/24/2017 10:00

Sample ID: 17H1359-22

Sample Matrix: Equipment Blank Water

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/L	1	R-05	SW-846 8082A	8/30/17	9/1/17 14:32	TG
Aroclor-1221 [1]	ND	0.20	µg/L	1		SW-846 8082A	8/30/17	9/1/17 14:32	TG
Aroclor-1232 [1]	ND	0.20	µg/L	1		SW-846 8082A	8/30/17	9/1/17 14:32	TG
Aroclor-1242 [1]	ND	0.20	µg/L	1		SW-846 8082A	8/30/17	9/1/17 14:32	TG
Aroclor-1248 [1]	ND	0.20	µg/L	1		SW-846 8082A	8/30/17	9/1/17 14:32	TG
Aroclor-1254 [1]	ND	0.20	µg/L	1		SW-846 8082A	8/30/17	9/1/17 14:32	TG
Aroclor-1260 [1]	ND	0.20	µg/L	1	R-05	SW-846 8082A	8/30/17	9/1/17 14:32	TG
Aroclor-1262 [1]	ND	0.20	µg/L	1		SW-846 8082A	8/30/17	9/1/17 14:32	TG
Aroclor-1268 [1]	ND	0.20	µg/L	1		SW-846 8082A	8/30/17	9/1/17 14:32	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	70.6	30-150		9/1/17 14:32
Decachlorobiphenyl [2]	61.9	30-150		9/1/17 14:32
Tetrachloro-m-xylene [1]	95.0	30-150		9/1/17 14:32
Tetrachloro-m-xylene [2]	90.2	30-150		9/1/17 14:32

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Sample Extraction Data

Prep Method: % Solids-SM 2540G

Lab Number [Field ID]	Batch	Date
17H1359-15 [WS-AOC-14-SE-43]	B185198	08/30/17
17H1359-16 [WS-AOC-14-SE-44]	B185198	08/30/17
17H1359-17 [WS-AOC-14-SE-45]	B185198	08/30/17
17H1359-18 [WS-AOC-14-SE-46]	B185198	08/30/17
17H1359-19 [WS-AOC-14-SE-47]	B185198	08/30/17
17H1359-20 [WS-AOC-14-SE-48]	B185198	08/30/17

Prep Method: SW-846 3540C-SW-846 8082A

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17H1359-08 [WS-AOC-12E-CO-5]	B185080	2.69	10.0	08/29/17
17H1359-09 [WS-AOC-12E-CO-17]	B185080	2.30	10.0	08/29/17
17H1359-10 [WS-AOC-6-CO-1]	B185080	2.39	10.0	08/29/17
17H1359-11 [WS-AOC-6-CO-2]	B185080	2.06	10.0	08/29/17
17H1359-12 [WS-AOC-6-CO-3]	B185080	2.56	10.0	08/29/17
17H1359-13 [WS-AOC-6-CO-4]	B185080	2.77	10.0	08/29/17
17H1359-14 [WS-AOC-12E-CO-DUP-18]	B185080	2.45	10.0	08/29/17

Prep Method: SW-846 3540C-SW-846 8082A

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17H1359-01 [WS-AOC-12E-AS-41]	B185083	10.0	10.0	08/29/17
17H1359-02 [WS-AOC-12E-AS-39]	B185083	10.0	10.0	08/29/17
17H1359-03 [WS-AOC-12E-AS-37]	B185083	10.2	10.0	08/29/17
17H1359-05 [WS-AOC-12E-AS-25]	B185083	10.0	10.0	08/29/17
17H1359-06 [WS-AOC-12E-AS-24]	B185083	10.2	10.0	08/29/17
17H1359-07 [WS-AOC-12E-AS-21]	B185083	10.0	10.0	08/29/17
17H1359-15 [WS-AOC-14-SE-43]	B185083	10.1	10.0	08/29/17
17H1359-16 [WS-AOC-14-SE-44]	B185083	10.0	10.0	08/29/17
17H1359-17 [WS-AOC-14-SE-45]	B185083	10.0	10.0	08/29/17
17H1359-18 [WS-AOC-14-SE-46]	B185083	10.0	10.0	08/29/17
17H1359-19 [WS-AOC-14-SE-47]	B185083	10.1	10.0	08/29/17
17H1359-20 [WS-AOC-14-SE-48]	B185083	10.1	10.0	08/29/17

Prep Method: SW-846 3540C-SW-846 8082A

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17H1359-04RE1 [WS-AOC-12E-AS-35]	B185232	10.0	10.0	08/30/17

Prep Method: SW-846 3510C-SW-846 8082A

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
17H1359-21 [EB-50]	B185250	1000	10.0	08/30/17
17H1359-22 [EB-51]	B185250	1000	10.0	08/30/17

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QUALITY CONTROL

Polychlorinated Biphenyls By GC/ECD - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD		RPD Limit	Notes
Batch B185250 - SW-846 3510C											
Blank (B185250-BLK1)				Prepared: 08/30/17 Analyzed: 09/01/17							
Aroclor-1016	ND	0.20	µg/L								R-05
Aroclor-1016 [2C]	ND	0.20	µg/L								R-05
Aroclor-1221	ND	0.20	µg/L								
Aroclor-1221 [2C]	ND	0.20	µg/L								
Aroclor-1232	ND	0.20	µg/L								
Aroclor-1232 [2C]	ND	0.20	µg/L								
Aroclor-1242	ND	0.20	µg/L								
Aroclor-1242 [2C]	ND	0.20	µg/L								
Aroclor-1248	ND	0.20	µg/L								
Aroclor-1248 [2C]	ND	0.20	µg/L								
Aroclor-1254	ND	0.20	µg/L								
Aroclor-1254 [2C]	ND	0.20	µg/L								
Aroclor-1260	ND	0.20	µg/L								R-05
Aroclor-1260 [2C]	ND	0.20	µg/L								R-05
Aroclor-1262	ND	0.20	µg/L								
Aroclor-1262 [2C]	ND	0.20	µg/L								
Aroclor-1268	ND	0.20	µg/L								
Aroclor-1268 [2C]	ND	0.20	µg/L								
Surrogate: Decachlorobiphenyl	*2.03*		µg/L	2.00		101	30-150				
Surrogate: Decachlorobiphenyl [2C]	*1.76*		µg/L	2.00		88.0	30-150				
Surrogate: Tetrachloro-m-xylene	*1.66*		µg/L	2.00		83.2	30-150				
Surrogate: Tetrachloro-m-xylene [2C]	*1.61*		µg/L	2.00		80.4	30-150				
LCS (B185250-BS1)				Prepared: 08/30/17 Analyzed: 09/01/17							
Aroclor-1016	0.46	0.20	µg/L	0.500		92.6	40-140				R-05
Aroclor-1016 [2C]	0.48	0.20	µg/L	0.500		96.6	40-140				R-05
Aroclor-1260	0.45	0.20	µg/L	0.500		90.2	40-140				R-05
Aroclor-1260 [2C]	0.43	0.20	µg/L	0.500		86.3	40-140				R-05
Surrogate: Decachlorobiphenyl	*2.12*		µg/L	2.00		106	30-150				
Surrogate: Decachlorobiphenyl [2C]	*1.84*		µg/L	2.00		91.8	30-150				
Surrogate: Tetrachloro-m-xylene	*1.71*		µg/L	2.00		85.5	30-150				
Surrogate: Tetrachloro-m-xylene [2C]	*1.65*		µg/L	2.00		82.7	30-150				
LCS Dup (B185250-BSD1)				Prepared: 08/30/17 Analyzed: 09/01/17							
Aroclor-1016	0.36	0.20	µg/L	0.500		71.7	40-140	**25.5**	*	20	R-05
Aroclor-1016 [2C]	0.38	0.20	µg/L	0.500		76.3	40-140	**23.5**	*	20	R-05
Aroclor-1260	0.34	0.20	µg/L	0.500		68.6	40-140	**27.2**	*	20	R-05
Aroclor-1260 [2C]	0.34	0.20	µg/L	0.500		67.3	40-140	**24.8**	*	20	R-05
Surrogate: Decachlorobiphenyl	*1.50*		µg/L	2.00		74.9	30-150				
Surrogate: Decachlorobiphenyl [2C]	*1.32*		µg/L	2.00		66.0	30-150				
Surrogate: Tetrachloro-m-xylene	*1.31*		µg/L	2.00		65.5	30-150				
Surrogate: Tetrachloro-m-xylene [2C]	*1.30*		µg/L	2.00		65.1	30-150				

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QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B185080 - SW-846 3540C										
Blank (B185080-BLK1)				Prepared: 08/29/17 Analyzed: 09/05/17						
Aroclor-1016	ND	0.10	mg/Kg							
Aroclor-1016 [2C]	ND	0.10	mg/Kg							
Aroclor-1221	ND	0.10	mg/Kg							
Aroclor-1221 [2C]	ND	0.10	mg/Kg							
Aroclor-1232	ND	0.10	mg/Kg							
Aroclor-1232 [2C]	ND	0.10	mg/Kg							
Aroclor-1242	ND	0.10	mg/Kg							
Aroclor-1242 [2C]	ND	0.10	mg/Kg							
Aroclor-1248	ND	0.10	mg/Kg							
Aroclor-1248 [2C]	ND	0.10	mg/Kg							
Aroclor-1254	ND	0.10	mg/Kg							
Aroclor-1254 [2C]	ND	0.10	mg/Kg							
Aroclor-1260	ND	0.10	mg/Kg							
Aroclor-1260 [2C]	ND	0.10	mg/Kg							
Aroclor-1262	ND	0.10	mg/Kg							
Aroclor-1262 [2C]	ND	0.10	mg/Kg							
Aroclor-1268	ND	0.10	mg/Kg							
Aroclor-1268 [2C]	ND	0.10	mg/Kg							
Surrogate: Decachlorobiphenyl	*1.06*		mg/Kg	1.00		106	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.957*		mg/Kg	1.00		95.7	30-150			
Surrogate: Tetrachloro-m-xylene	*1.06*		mg/Kg	1.00		106	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.807*		mg/Kg	1.00		80.7	30-150			
LCS (B185080-BS1)				Prepared: 08/29/17 Analyzed: 09/05/17						
Aroclor-1016	0.84	0.10	mg/Kg	1.00		83.8	40-140			
Aroclor-1016 [2C]	0.80	0.10	mg/Kg	1.00		79.7	40-140			
Aroclor-1260	0.77	0.10	mg/Kg	1.00		77.0	40-140			
Aroclor-1260 [2C]	0.78	0.10	mg/Kg	1.00		78.3	40-140			
Surrogate: Decachlorobiphenyl	*0.872*		mg/Kg	1.00		87.2	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.818*		mg/Kg	1.00		81.8	30-150			
Surrogate: Tetrachloro-m-xylene	*0.880*		mg/Kg	1.00		88.0	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.697*		mg/Kg	1.00		69.7	30-150			
LCS Dup (B185080-BSD1)				Prepared: 08/29/17 Analyzed: 09/05/17						
Aroclor-1016	0.91	0.10	mg/Kg	1.00		90.6	40-140	7.81	30	
Aroclor-1016 [2C]	0.86	0.10	mg/Kg	1.00		86.1	40-140	7.71	30	
Aroclor-1260	0.85	0.10	mg/Kg	1.00		85.4	40-140	10.3	30	
Aroclor-1260 [2C]	0.87	0.10	mg/Kg	1.00		87.3	40-140	10.9	30	
Surrogate: Decachlorobiphenyl	*0.990*		mg/Kg	1.00		99.0	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.932*		mg/Kg	1.00		93.2	30-150			
Surrogate: Tetrachloro-m-xylene	*0.972*		mg/Kg	1.00		97.2	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.710*		mg/Kg	1.00		71.0	30-150			

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QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B185080 - SW-846 3540C										
Matrix Spike (B185080-MS1)		**Source: 17H1359-12**		Prepared: 08/29/17 Analyzed: 09/05/17						
Aroclor-1016	0.79	0.091	mg/Kg	0.909	ND	86.9	40-140			
Aroclor-1016 [2C]	0.66	0.091	mg/Kg	0.909	ND	72.8	40-140			
Aroclor-1260	0.61	0.091	mg/Kg	0.909	ND	67.5	40-140			
Aroclor-1260 [2C]	0.58	0.091	mg/Kg	0.909	ND	63.8	40-140			
Surrogate: Decachlorobiphenyl	*0.802*		mg/Kg	0.909		88.2	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.868*		mg/Kg	0.909		95.5	30-150			
Surrogate: Tetrachloro-m-xylene	*0.843*		mg/Kg	0.909		92.8	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.663*		mg/Kg	0.909		72.9	30-150			
Matrix Spike Dup (B185080-MSD1)		**Source: 17H1359-12**		Prepared: 08/29/17 Analyzed: 09/05/17						
Aroclor-1016	0.76	0.089	mg/Kg	0.889	ND	85.1	40-140	4.37	50	
Aroclor-1016 [2C]	0.68	0.089	mg/Kg	0.889	ND	76.3	40-140	2.36	50	
Aroclor-1260	0.64	0.089	mg/Kg	0.889	ND	71.4	40-140	3.44	50	
Aroclor-1260 [2C]	0.62	0.089	mg/Kg	0.889	ND	70.3	40-140	7.49	50	
Surrogate: Decachlorobiphenyl	*0.765*		mg/Kg	0.889		86.0	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.712*		mg/Kg	0.889		80.1	30-150			
Surrogate: Tetrachloro-m-xylene	*0.838*		mg/Kg	0.889		94.3	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.628*		mg/Kg	0.889		70.6	30-150			
Batch B185083 - SW-846 3540C										
Blank (B185083-BLK1)				Prepared: 08/29/17 Analyzed: 09/07/17						
Aroclor-1016	ND	0.020	mg/Kg wet							
Aroclor-1016 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1221	ND	0.020	mg/Kg wet							
Aroclor-1221 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1232	ND	0.020	mg/Kg wet							
Aroclor-1232 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1242	ND	0.020	mg/Kg wet							
Aroclor-1242 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1248	ND	0.020	mg/Kg wet							
Aroclor-1248 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1254	ND	0.020	mg/Kg wet							
Aroclor-1254 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1260	ND	0.020	mg/Kg wet							V-05
Aroclor-1260 [2C]	ND	0.020	mg/Kg wet							V-05
Aroclor-1262	ND	0.020	mg/Kg wet							
Aroclor-1262 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1268	ND	0.020	mg/Kg wet							
Aroclor-1268 [2C]	ND	0.020	mg/Kg wet							
Surrogate: Decachlorobiphenyl	*0.133*		mg/Kg wet	0.200		66.4	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.142*		mg/Kg wet	0.200		70.8	30-150			
Surrogate: Tetrachloro-m-xylene	*0.147*		mg/Kg wet	0.200		73.3	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.147*		mg/Kg wet	0.200		73.3	30-150			

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QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B185083 - SW-846 3540C										
LCS (B185083-BS1)				Prepared: 08/29/17 Analyzed: 09/07/17						
Aroclor-1016	0.13	0.020	mg/Kg wet	0.200		66.8	40-140			
Aroclor-1016 [2C]	0.14	0.020	mg/Kg wet	0.200		69.6	40-140			
Aroclor-1260	0.12	0.020	mg/Kg wet	0.200		58.1	40-140			V-05
Aroclor-1260 [2C]	0.12	0.020	mg/Kg wet	0.200		62.4	40-140			V-05
Surrogate: Decachlorobiphenyl	*0.125*		mg/Kg wet	0.200		62.7	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.137*		mg/Kg wet	0.200		68.7	30-150			
Surrogate: Tetrachloro-m-xylene	*0.136*		mg/Kg wet	0.200		68.2	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.141*		mg/Kg wet	0.200		70.7	30-150			
LCS Dup (B185083-BSD1)				Prepared: 08/29/17 Analyzed: 09/07/17						
Aroclor-1016	0.16	0.020	mg/Kg wet	0.200		78.6	40-140	16.2	30	
Aroclor-1016 [2C]	0.17	0.020	mg/Kg wet	0.200		84.1	40-140	18.9	30	
Aroclor-1260	0.15	0.020	mg/Kg wet	0.200		73.3	40-140	23.1	30	V-05
Aroclor-1260 [2C]	0.15	0.020	mg/Kg wet	0.200		76.5	40-140	20.3	30	V-05
Surrogate: Decachlorobiphenyl	*0.158*		mg/Kg wet	0.200		79.1	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.155*		mg/Kg wet	0.200		77.5	30-150			
Surrogate: Tetrachloro-m-xylene	*0.113*		mg/Kg wet	0.200		56.3	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.154*		mg/Kg wet	0.200		77.0	30-150			
Batch B185232 - SW-846 3540C										
Blank (B185232-BLK1)				Prepared: 08/30/17 Analyzed: 09/05/17						
Aroclor-1016	ND	0.020	mg/Kg wet							
Aroclor-1016 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1221	ND	0.020	mg/Kg wet							
Aroclor-1221 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1232	ND	0.020	mg/Kg wet							
Aroclor-1232 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1242	ND	0.020	mg/Kg wet							
Aroclor-1242 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1248	ND	0.020	mg/Kg wet							
Aroclor-1248 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1254	ND	0.020	mg/Kg wet							
Aroclor-1254 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1260	ND	0.020	mg/Kg wet							
Aroclor-1260 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1262	ND	0.020	mg/Kg wet							
Aroclor-1262 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1268	ND	0.020	mg/Kg wet							
Aroclor-1268 [2C]	ND	0.020	mg/Kg wet							
Surrogate: Decachlorobiphenyl	*0.199*		mg/Kg wet	0.200		99.4	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.203*		mg/Kg wet	0.200		101	30-150			
Surrogate: Tetrachloro-m-xylene	*0.183*		mg/Kg wet	0.200		91.6	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.201*		mg/Kg wet	0.200		100	30-150			

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QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B185232 - SW-846 3540C										
LCS (B185232-BS1)				Prepared: 08/30/17 Analyzed: 09/05/17						
Aroclor-1016	0.19	0.020	mg/Kg wet	0.200		97.3	40-140			
Aroclor-1016 [2C]	0.22	0.020	mg/Kg wet	0.200		111	40-140			
Aroclor-1260	0.18	0.020	mg/Kg wet	0.200		89.3	40-140			
Aroclor-1260 [2C]	0.18	0.020	mg/Kg wet	0.200		91.6	40-140			
Surrogate: Decachlorobiphenyl	*0.206*		mg/Kg wet	0.200		103	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.211*		mg/Kg wet	0.200		105	30-150			
Surrogate: Tetrachloro-m-xylene	*0.192*		mg/Kg wet	0.200		95.9	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.211*		mg/Kg wet	0.200		105	30-150			
LCS Dup (B185232-BSD1)				Prepared: 08/30/17 Analyzed: 09/05/17						
Aroclor-1016	0.19	0.020	mg/Kg wet	0.200		94.7	40-140	2.75	30	
Aroclor-1016 [2C]	0.22	0.020	mg/Kg wet	0.200		108	40-140	2.73	30	
Aroclor-1260	0.17	0.020	mg/Kg wet	0.200		86.4	40-140	3.31	30	
Aroclor-1260 [2C]	0.18	0.020	mg/Kg wet	0.200		92.0	40-140	0.372	30	
Surrogate: Decachlorobiphenyl	*0.201*		mg/Kg wet	0.200		101	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.207*		mg/Kg wet	0.200		103	30-150			
Surrogate: Tetrachloro-m-xylene	*0.185*		mg/Kg wet	0.200		92.4	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.202*		mg/Kg wet	0.200		101	30-150			

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC-12E-AS-39

Lab Sample ID: 17H1359-02

Date(s) Analyzed 09/07/2017 09/07/2017

Instrument ID (1): ECD 9

Instrument ID (2): ECD 9

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	-0.030	0.030	0.13	
	2	0.000	-0.030	0.030	0.13	0.0

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC-12E-AS-35

Lab Sample ID: 17H1359-04RE1

Date(s) Analyzed 09/05/2017 09/05/2017

Instrument ID (1): ECD5

Instrument ID (2): ECD5

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	-0.030	0.030	0.11	
	2	0.000	-0.030	0.030	0.14	24.0

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC-12E-AS-25

Lab Sample ID: 17H1359-05 Date(s) Analyzed 09/07/2017 09/07/2017

Instrument ID (1): ECD 9 Instrument ID (2): ECD 9

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	-0.030	0.030	0.10	
	2	0.000	-0.030	0.030	0.091	9.4
Aroclor-1268	1	0.000	-0.030	0.030	0.085	
	2	0.000	-0.030	0.030	0.087	2.3

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC-12E-AS-24

Lab Sample ID: 17H1359-06 Date(s) Analyzed 09/07/2017 09/07/2017

Instrument ID (1): ECD 9 Instrument ID (2): ECD 9

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	-0.030	0.030	0.14	
	2	0.000	-0.030	0.030	0.12	15.4

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC-12E-AS-21

Lab Sample ID: 17H1359-07 Date(s) Analyzed 09/07/2017 09/07/2017

Instrument ID (1): ECD 9 Instrument ID (2): ECD 9

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	-0.030	0.030	0.16	
	2	0.000	-0.030	0.030	0.14	13.3
Aroclor-1268	1	0.000	-0.030	0.030	0.20	
	2	0.000	-0.030	0.030	0.20	0.0

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC-12E-CO-5

Lab Sample ID: 17H1359-08

Date(s) Analyzed 09/05/2017 09/05/2017

Instrument ID (1): ECD 9

Instrument ID (2): ECD 9

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1268	1	0.000	0.000	0.000	0.46	
	2	0.000	0.000	0.000	0.47	2.2

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC-12E-CO-DUP-18

Lab Sample ID: 17H1359-14 Date(s) Analyzed 09/05/2017 09/05/2017

Instrument ID (1): ECD 9 Instrument ID (2): ECD 9

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1268	1	0.000	0.000	0.000	0.39	
	2	0.000	0.000	0.000	0.40	2.5

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC-14-SE-43

Lab Sample ID: 17H1359-15 Date(s) Analyzed 09/09/2017 09/09/2017

Instrument ID (1): ECD5 Instrument ID (2): ECD5

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	0.32	
	2	0.000	-0.030	0.030	0.37	14.5

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC-14-SE-44

Lab Sample ID: 17H1359-16 Date(s) Analyzed 09/09/2017 09/09/2017

Instrument ID (1): ECD5 Instrument ID (2): ECD5

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1248	1	0.000	-0.030	0.030	0.55	
	2	0.000	-0.030	0.030	0.51	7.6
Aroclor-1254	1	0.000	-0.030	0.030	0.61	
	2	0.000	-0.030	0.030	0.72	16.5
Aroclor-1260	1	0.000	-0.030	0.030	0.32	
	2	0.000	-0.030	0.030	0.40	22.2

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC-14-SE-45

Lab Sample ID: 17H1359-17 Date(s) Analyzed 09/09/2017 09/09/2017

Instrument ID (1): ECD5 Instrument ID (2): ECD5

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1248	1	0.000	-0.030	0.030	4.6	
	2	0.000	-0.030	0.030	4.3	6.7
Aroclor-1254	1	0.000	-0.030	0.030	3.6	
	2	0.000	-0.030	0.030	4.0	10.5

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC-14-SE-46

Lab Sample ID: 17H1359-18 Date(s) Analyzed 09/09/2017 09/09/2017

Instrument ID (1): ECD5 Instrument ID (2): ECD5

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1248	1	0.000	-0.030	0.030	0.80	
	2	0.000	-0.030	0.030	0.81	1.2
Aroclor-1254	1	0.000	-0.030	0.030	0.70	
	2	0.000	-0.030	0.030	0.90	25.0
Aroclor-1260	1	0.000	-0.030	0.030	0.35	
	2	0.000	-0.030	0.030	0.45	25.0

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC-14-SE-47

Lab Sample ID: 17H1359-19 Date(s) Analyzed 09/09/2017 09/09/2017

Instrument ID (1): ECD5 Instrument ID (2): ECD5

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1248	1	0.000	-0.030	0.030	0.96	
	2	0.000	-0.030	0.030	0.97	1.0
Aroclor-1254	1	0.000	-0.030	0.030	0.78	
	2	0.000	-0.030	0.030	1.0	24.7
Aroclor-1260	1	0.000	-0.030	0.030	0.50	
	2	0.000	-0.030	0.030	0.55	9.5

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC-14-SE-48

Lab Sample ID: 17H1359-20 Date(s) Analyzed 09/09/2017 09/09/2017

Instrument ID (1): ECD5 Instrument ID (2): ECD5

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	-0.030	0.030	0.27	
	2	0.000	-0.030	0.030	0.30	10.5

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS

Lab Sample ID: B185080-BS1

Date(s) Analyzed 09/05/2017 09/05/2017

Instrument ID (1): ECD 9

Instrument ID (2): ECD 9

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	0.000	0.000	0.84	
	2	0.000	0.000	0.000	0.80	4.9
Aroclor-1260	1	0.000	0.000	0.000	0.77	
	2	0.000	0.000	0.000	0.78	1.3

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS Dup

Lab Sample ID: B185080-BSD1 Date(s) Analyzed 09/05/2017 09/05/2017

Instrument ID (1): ECD 9 Instrument ID (2): ECD 9

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	0.000	0.000	0.91	
	2	0.000	0.000	0.000	0.86	5.7
Aroclor-1260	1	0.000	0.000	0.000	0.85	
	2	0.000	0.000	0.000	0.87	2.3

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

Matrix Spike

Lab Sample ID: B185080-MS1

Date(s) Analyzed 09/05/2017 09/05/2017

Instrument ID (1): ECD 9

Instrument ID (2): ECD 9

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	0.000	0.000	0.79	
	2	0.000	0.000	0.000	0.66	17.9
Aroclor-1260	1	0.000	0.000	0.000	0.61	
	2	0.000	0.000	0.000	0.58	5.0

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

Matrix Spike Dup

Lab Sample ID: B185080-MSD1 Date(s) Analyzed 09/05/2017 09/05/2017

Instrument ID (1): ECD 9 Instrument ID (2): ECD 9

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	0.000	0.000	0.76	
	2	0.000	0.000	0.000	0.68	11.1
Aroclor-1260	1	0.000	0.000	0.000	0.64	
	2	0.000	0.000	0.000	0.62	3.2

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS

Lab Sample ID: B185083-BS1

Date(s) Analyzed 09/07/2017 09/07/2017

Instrument ID (1): ECD 9

Instrument ID (2): ECD 9

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.13	
	2	0.000	-0.030	0.030	0.14	7.4
Aroclor-1260	1	0.000	-0.030	0.030	0.12	
	2	0.000	-0.030	0.030	0.12	0.0

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS Dup

Lab Sample ID: B185083-BSD1 Date(s) Analyzed 09/07/2017 09/07/2017

Instrument ID (1): ECD 9 Instrument ID (2): ECD 9

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.16	
	2	0.000	-0.030	0.030	0.17	6.1
Aroclor-1260	1	0.000	-0.030	0.030	0.15	
	2	0.000	-0.030	0.030	0.15	0.0

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS

Lab Sample ID: B185232-BS1

Date(s) Analyzed 09/05/2017 09/05/2017

Instrument ID (1): ECD5

Instrument ID (2): ECD5

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.19	
	2	0.000	-0.030	0.030	0.22	9.5
Aroclor-1260	1	0.000	-0.030	0.030	0.18	
	2	0.000	-0.030	0.030	0.18	0.0

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS Dup

Lab Sample ID: B185232-BSD1 Date(s) Analyzed 09/05/2017 09/05/2017

Instrument ID (1): ECD5 Instrument ID (2): ECD5

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.19	
	2	0.000	-0.030	0.030	0.22	14.6
Aroclor-1260	1	0.000	-0.030	0.030	0.17	
	2	0.000	-0.030	0.030	0.18	5.7

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS

Lab Sample ID: B185250-BS1

Date(s) Analyzed 09/01/2017 09/01/2017

Instrument ID (1): ECD1

Instrument ID (2): ECD1

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	0.000	0.000	0.46	
	2	0.000	0.000	0.000	0.48	4.3
Aroclor-1260	1	0.000	0.000	0.000	0.45	
	2	0.000	0.000	0.000	0.43	4.6

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS Dup

Lab Sample ID: B185250-BSD1 Date(s) Analyzed 09/01/2017 09/01/2017

Instrument ID (1): ECD1 Instrument ID (2): ECD1

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	0.000	0.000	0.36	
	2	0.000	0.000	0.000	0.38	5.4
Aroclor-1260	1	0.000	0.000	0.000	0.34	
	2	0.000	0.000	0.000	0.34	0.0

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit
DL	Method Detection Limit
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
O-28	Initial continuing calibration standard was within method criteria. Closing continuing calibration standard was outside of method criteria, biased on the low side. Reanalysis yielded similar non-conformance, matrix interference was confirmed.
R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8082A in Product/Solid	
Aroclor-1016	CT,NH,NY,ME,NC,VA
Aroclor-1016 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1221	CT,NH,NY,ME,NC,VA
Aroclor-1221 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1232	CT,NH,NY,ME,NC,VA
Aroclor-1232 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1242	CT,NH,NY,ME,NC,VA
Aroclor-1242 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1248	CT,NH,NY,ME,NC,VA
Aroclor-1248 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1254	CT,NH,NY,ME,NC,VA
Aroclor-1254 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1260	CT,NH,NY,ME,NC,VA
Aroclor-1260 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1262	NY,NC,VA
Aroclor-1262 [2C]	NY,NC,VA
Aroclor-1268	NY,NC,VA
Aroclor-1268 [2C]	NY,NC,VA
SW-846 8082A in Soil	
Aroclor-1016	CT,NH,NY,ME,NC,VA
Aroclor-1016 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1221	CT,NH,NY,ME,NC,VA
Aroclor-1221 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1232	CT,NH,NY,ME,NC,VA
Aroclor-1232 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1242	CT,NH,NY,ME,NC,VA
Aroclor-1242 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1248	CT,NH,NY,ME,NC,VA
Aroclor-1248 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1254	CT,NH,NY,ME,NC,VA
Aroclor-1254 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1260	CT,NH,NY,ME,NC,VA
Aroclor-1260 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1262	NY,NC,VA
Aroclor-1262 [2C]	NY,NC,VA
Aroclor-1268	NY,NC,VA
Aroclor-1268 [2C]	NY,NC,VA
SW-846 8082A in Water	
Aroclor-1016	CT,NH,NY,NC,ME,VA
Aroclor-1016 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1221	CT,NH,NY,NC,ME,VA
Aroclor-1221 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1232	CT,NH,NY,NC,ME,VA
Aroclor-1232 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1242	CT,NH,NY,NC,ME,VA
Aroclor-1242 [2C]	CT,NH,NY,NC,ME,VA

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8082A in Water	
Aroclor-1248	CT,NH,NY,NC,ME,VA
Aroclor-1248 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1254	CT,NH,NY,NC,ME,VA
Aroclor-1254 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1260	CT,NH,NY,NC,ME,VA
Aroclor-1260 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1262	NH,NY,NC,ME,VA
Aroclor-1262 [2C]	NH,NY,NC,ME,VA
Aroclor-1268	NH,NY,NC,ME,VA
Aroclor-1268 [2C]	NH,NY,NC,ME,VA

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2005	100033	02/1/2018
MA	Massachusetts DEP	M-MA100	06/30/2018
CT	Connecticut Department of Publilc Health	PH-0567	09/30/2017
NY	New York State Department of Health	10899 NELAP	04/1/2018
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2018
RI	Rhode Island Department of Health	LAO00112	12/30/2017
NC	North Carolina Div. of Water Quality	652	12/31/2017
NJ	New Jersey DEP	MA007 NELAP	06/30/2018
FL	Florida Department of Health	E871027 NELAP	06/30/2018
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2018
ME	State of Maine	2011028	06/9/2019
VA	Commonwealth of Virginia	460217	12/14/2017
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2017
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2018
NC-DW	North Carolina Department of Health	25703	07/31/2018

17H1359

con-test ANALYTICAL LABORATORY

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http://www.contestlabs.com

Doc # 381 Rev 0 5 8 2015

CHAIN OF CUSTODY RECORD

39 Spruce Street
East Longmeadow, MA 01028

Page 1 of 3

Company Name:	Weston & Sampson Engineers
Address:	273 Dividend Rd Rcoky Hill, CT
Phone:	860 513-1473
Project Name:	English Station
Project Location:	510 Grand Ave, New Haven, CT
Project Number:	2170495
Project Manager:	Malcolm Beeler
Con-Test Bid:	
Invoice Recipient:	Malcolm Beeler (Weston & Sampson)
Sampled By:	~~Chris Borthiaume~~/Will Sirotnak

Requested Turnaround Time
7-Day ☑ 10-Day ☐
Other: 5-day ☐

Rush Approval Required
1-Day ☐ 3-Day ☐
2-Day ☐ 4-Day ☐

Data Delivery
Format: PDF ☑ EXCEL ☑
Other:
Enhanced Data Package Required: ☐
Email To: beelerm@wseinc.com
Fax To #:

ANALYSIS REQUESTED

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	[1]Matrix Code	Conc Code	PCBs (Soxhlet)										# of Containers	[2] Preservation Code	[3] Container Code
								1										1	I	A
1	WS-AOC-12E-AS-41	8/24/17	1000		X	O	U	X												
2	WS-AOC-12E-AS-39		1010																	
3	WS-AOC-12E-AS-37		1020																	
4	WS-AOC-12E-AS-35		1030																	
5	WS-AOC-12E-AS-25		1040																	
6	WS-AOC-12E-AS-24		1050																	
7	WS-AOC-12E-AS-21		1100																	
8	WS-AOC-12E-CO-5		1110																	
9	WS-AOC-12E-CO-17		1120																	
10	WS-AOC-6-CO-1		1130																	

Dissolved Metals Samples
○ Field Filtered
○ Lab to Filter

Orthophosphate Samples
○ Field Filtered
○ Lab to Filter

[1] **Matrix Codes:**
GW = Ground Water
WW = Waste Water
DW = Drinking Water
A = Air
S = Soil/Solid
SL = Sludge
O = Other (please define) porous media

[2] **Preservation Codes:**
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium Bisulfate
X = Sodium Hydroxide
T = Sodium Thiosulfate
O = Other (please define)

[3] **Container Codes:**
A = Amber Glass
G = Glass
P = Plastic
ST = Sterile
V = Vial
S = Summa Canister
T = Tedlar Bag
O = Other (please define)

Comments:

Please hold excess volumes for possible SPLP analyses.

Please use the following codes to indicate possible sample concentration within the **Conc Code** column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Relinquished by: (signature)	Date/Time: 8/24/17 1500
Received by: (signature)	Date/Time: 8/24/17 1500
Relinquished by: (signature)	Date/Time: 8/24/17 1515
Received by: (signature)	Date/Time: 8-24-17 3:46
Relinquished by: (signature)	Date/Time: 8-24-17 6:35
Received by: (signature)	Date/Time: 8/24/17 1825

Detection Limit Requirements
MA
CT RES DEC
Other:

Program Information

○ MCP Analytical Certification Form Required
● RCP Analysis Certification Form Required
○ MA State DW Form Required
PWSID # _____

NELAC and AIHA-LAP, LLC Accredited

TURNAROUND TIME (BUSINESS DAYS) STARTS AT 9:00 AM THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON THIS CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR IS INCORRECT, TURNAROUND TIME CANNOT START UNTIL ALL QUESTIONS HAVE BEEN ANSWERED.

PLEASE BE CAREFUL NOT TO CONTAMINATE THIS DOCUMENT

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17H1359

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Doc # 381 Rev 1_03242017

CHAIN OF CUSTODY RECORD

39 Spruce Street
East Longmeadow, MA 01028

Company Name:	Weston & Sampson
Address:	273 Dividend Rd, Rocky Hill, CT
Phone:	860-513-1473
Project Name:	English Station
Project Location:	510 Grand Ave, New Haven, CT
Project Number:	2170495
Project Manager:	Malcolm Beeler
Con-Test Quote Name/Number:	
Invoice Recipient:	Malcolm Beeler (Weston & Sampson)
Sampled By:	William Sirotnak

Requested Turnaround Time
7-Day ☑ 10-Day ☐
Due Date:

Rush-Approval Required
1-Day ☐ 3-Day ☐
2-Day ☐ 4-Day ☐

Data Delivery
Format: PDF ☑ EXCEL ☑
Other:
CLP Like Data Pkg Required: ☐
Email To: beelerm@wse.com
Fax To #:

ANALYSIS REQUESTED

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	[1]Matrix Code	Conc Code	PCBs (Soxhlet)										# of Containers / [2] Preservation Code / [3] Container Code
11	WS-AOC-6-CO-2	8/24/17	1140		X	O	U	X										
12	WS-AOC-6-CO-3		1150															
13	WS-AOC-6-CO-4		1200															
14	WS-AOC-DE-CO-DUP-18		—															
15	WS-AOC-14-SE-43		1300		X	S	U											
16	WS-AOC-14-SE-44		1310															
17	WS-AOC-14-SE-45		1320															
18	WS-AOC-14-SE-46		1330															
19	WS-AOC-14-SE-47		1340															
20	WS-AOC-14-SE-48		1350															

Dissolved Metals Samples
○ Field Filtered
○ Lab to Filter

Orthophosphate Samples
○ Field Filtered
○ Lab to Filter

[1] **Matrix Codes:**
GW = Ground Water
WW = Waste Water
DW = Drinking Water
A = Air
S = Soil
SL = Sludge
SOL = Solid
O = Other (please define) porous media

[2] **Preservation Codes:**
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium Bisulfate
X = Sodium Hydroxide
T = Sodium Thiosulfate
O = Other (please define)

[3] **Container Codes:**
A = Amber Glass
G = Glass
P = Plastic
ST = Sterile
V = Vial
S = Summa Canister
T = Tedlar Bag
O = Other (please define)

Comments:

Please hold excess volumes for possible SPLP analyses.

Please use the following codes to indicate possible sample concentration within the **Conc Code** column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

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Received by: (signature)	Date/Time: 8/24/17 1500	
Relinquished by: (signature)	Date/Time: 8/24/17 1515	
Received by: (signature)	Date/Time: 8-24-17 3:46	
Relinquished by: (signature)	Date/Time: 8-24-17 6:25	
Received by: (signature)	Date/Time: 8/24/17 1825	

Detection Limit Requirements
MA
CT RSL DEL.
Other:

Special Requirements
☐ MA MCP Required
MCP Certification Form Required
☒ CT RCP Required
RCP Certification Form Required
☐ MA State DW Required
PWSID #

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Project Entity
☐ Government ☐ Municipality ☐ MWRA ☐ WRTA
☐ Federal ☐ 21 J ☐ School
☐ City ☐ Brownfield ☐ MBTA

Other
☐ Chromatogram
☐ AIHA-LAP,LLC

PCB ONLY
☐ Soxhlet
☐ Non Soxhlet

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Doc # 381 Rev 1_03242017

CHAIN OF CUSTODY RECORD

39 Spruce Street
East Longmeadow, MA 01028

Company Name:	Weston & Sampson
Address:	273 Dividend Rd, Rocky Hill, CT
Phone:	860-513-1473
Project Name:	English Station
Project Location:	510 Grand Ave, New Haven, CT
Project Number:	2170495
Project Manager:	Malcolm Beeler
Con-Test Quote Name/Number:	
Invoice Recipient:	Malcolm Beeler (Weston & Sampson)
Sampled By:	William Sirotnak

Requested Turnaround Time
7-Day ☑ 10-Day ☐
Due Date:

Rush Approval Required
1-Day ☐ 3-Day ☐
2-Day ☐ 4-Day ☐

Data Delivery
Format: PDF ☑ EXCEL ☑
Other:
CLP Like Data Pkg Required: ☐
Email To: beelerm@wse.com
Fax To #:

ANALYSIS REQUESTED

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	[1]Matrix Code	Conc Code	PCBs
21	EB-50	8/24/17	0800		X	O	U	X
22	EB-51	8/24/17	1000		X	D	U	X

Comments:

Please hold excess volumes for possible SPLP analyses.

Please use the following codes to indicate possible sample concentration within the Conc Code column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

	Date/Time
Relinquished by: (signature)	8/25/17 1500
Received by: (signature)	8/24/17 1500
Relinquished by: (signature)	8/24/17 1515
Received by: (signature)	8-24-17 3:46
Relinquished by: (signature)	8-24-17 6:25
Received by: (signature)	8/24/17 1825

Detection Limit Requirements
MA
CT CSR DEC
Other

Special Requirements
☐ MA MCP Required
MCP Certification Form Required
☒ CT RCP Required
RCP Certification Form Required
☐ MA State DW Required
PWSID #

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Project Entity
☐ Government ☐ Municipality ☐ MWRA ☐ WRTA
☐ Federal ☐ 21 J ☐ School
☐ City ☐ Brownfield ☐ MBTA

Other
☐ Chromatogram
☐ AIHA-LAP,LLC

PCB ONLY
☐ Soxhlet
☐ Non Soxhlet

# of Containers	
[2] Preservation Code	
[3] Container Code	

Dissolved Metals Samples
○ Field Filtered
○ Lab to Filter

Orthophosphate Samples
○ Field Filtered
○ Lab to Filter

[1] Matrix Codes:
GW = Ground Water
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SOL = Solid
O = Other (please define) D. I

[2] Preservation Codes:
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M = Methanol
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S = Sulfuric Acid
B = Sodium Bisulfate
X = Sodium Hydroxide
T = Sodium Thiosulfate
O = Other (please define)

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V = Vial
S = Summa Canister
T = Tedlar Bag
O = Other (please define)

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Doc# 277 Rev 5 2017

Login Sample Receipt Checklist - (Rejection Criteria Listing - Using Acceptance Policy) Any False Statement will be brought to the attention of the Client - State True or False

Client Weston + Sampson

Received By JM Date 8/24/17 Time 1825

How were the samples received? In Cooler T No Cooler ____ On Ice T No Ice ____
Direct from Sampling ____ Ambient ____ Melted Ice ____

Were samples within Temperature? 2-6°C T By Gun # 1 Actual Temp - 5.1
By Blank # ____ Actual Temp - ____

Was Custody Seal Intact? N/A Were Samples Tampered with? N/A
Was COC Relinquished ? T Does Chain Agree With Samples? T
Are there broken/leaking/loose caps on any samples? F
Is COC in ink/ Legible? T Were samples received within holding time? T
Did COC include all pertinent Information? Client T Analysis T Sampler Name T
Project T ID's T Collection Dates/Times T
Are Sample labels filled out and legible? T
Are there Lab to Filters? N/A Who was notified? ____
Are there Rushes? N/A Who was notified? ____
Are there Short Holds? N/A Who was notified? ____
Is there enough Volume? T
Is there Headspace where applicable? N/A MS/MSD? T
Proper Media/Containers Used? T Is splitting samples required? N/A
Were trip blanks received? N/A On COC? N/A
Do all samples have the proper pH? N/A Acid ____ Base ____

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.	4	1 Liter Plastic		16 oz Amb.	
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear	6
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear	16
Bisulfate-		Col./Bacteria		Flashpoint		2oz Amb/Clear	
DI-		Other Plastic		Other Glass		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Unused Media

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.	
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear	
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear	
Bisulfate-		Col./Bacteria		Flashpoint		2oz Amb/Clear	
DI-		Other Plastic		Other Glass		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Comments:

REASONABLE CONFIDENCE PROTOCOL
LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name: Con-Test Analytical Laboratory

Client: Weston & Sampson

Project Location: 510 Grand Ave., New Haven, CT

Project Number: 17H1359

Laboratory Sample ID(s):

17H1359-01 thru 17H1359-22

Sample Date(s):

08/24/2017

List RCP Methods Used:

SW-846 8082A

1	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CTDEP method-specific Reasonable Confidence Protocol documents?	☑ Yes ☐ No
1A	Were the method specified preservation and holding time requirements met?	☑ Yes ☐ No
1B	VPH and EPH Methods only: Was the VPH and EPH method conducted without significant modifications (see Section 11.3 of respective RCP methods)?	☐ Yes ☐ No ☑ N/A
2	Were all samples received by the laboratory in a condition consistent with that described on the associated chain-of-custody document(s)?	☑ Yes ☐ No
3	Were samples received at an appropriate temperature (< 6 degrees C.)?	☑ Yes ☐ No ☐ N/A
4	Were all QA/QC performance criteria specified in the CTDEP Reasonable Confidence Protocol documents achieved?	☐ Yes ☑ No
5A	Were reporting limits specified or referenced on the chain-of-custody?	☑ Yes ☐ No
5B	Were these reporting limits met?	☑ Yes ☐ No
6	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	☑ Yes ☐ No
7	Are project-specific matrix spikes and laboratory duplicates included in this data set?	☑ Yes ☐ No

Notes: For all questions to which the response was "No" (with the exception of question #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A, or #1B is "No", the data package does not meet the requirements for "Reasonable Confidence."
This form may not be altered and all questions must be answered.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete.

Authorized Signature: Lisa Worthington **Position:** **Project Manager**

Printed Name: **Lisa A. Worthington** **Date:** **09/12/17**

Name of Laboratory: **Con-Test Analytical Laboratory**

This certification form is to be used for RCP methods only.

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

September 14, 2017

Malcolm Beeler
Weston & Sampson
273 Dividend Road
Rocky Hill, CT 06067

Project Location: 510 Grand Ave., New Haven, CT
Client Job Number:
Project Number: 2170495
Laboratory Work Order Number: 17H1621

Enclosed are results of analyses for samples received by the laboratory on August 30, 2017. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

James M. Georgantas
Project Manager

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17H1621-11 17

17H1621-12 18

17H1621-13 19

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Weston & Sampson
273 Dividend Road
Rocky Hill, CT 06067
ATTN: Malcolm Beeler

REPORT DATE: 9/14/2017

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 2170495

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 17H1621

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: 510 Grand Ave., New Haven, CT

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
WS-AOC14-CO-43	17H1621-01	Product/Solid		SW-846 8082A	
WS-AOC14-CO-44	17H1621-02	Product/Solid		SW-846 8082A	
WS-AOC14-CO-45	17H1621-03	Product/Solid		SW-846 8082A	
WS-AOC14-CO-46	17H1621-04	Product/Solid		SW-846 8082A	
WS-AOC14-CO-47	17H1621-05	Product/Solid		SW-846 8082A	
WS-AOC14-CO-48	17H1621-06	Product/Solid		SW-846 8082A	
WS-AOC14-WO-49	17H1621-07	Product/Solid		SW-846 8082A	
WS-AOC14-CO-50	17H1621-08	Product/Solid		SW-846 8082A	
WS-AOC14-CO-51	17H1621-09	Product/Solid		SW-846 8082A	
WS-AOC14-CO-52	17H1621-10	Product/Solid		SW-846 8082A	
WS-AOC14-CO-53	17H1621-11	Product/Solid		SW-846 8082A	
WS-AOC14-CO-54	17H1621-12	Product/Solid		SW-846 8082A	
WS-AOC14-CO-55	17H1621-13	Product/Solid		SW-846 8082A	
WS-AOC14-CO-56	17H1621-14	Product/Solid		SW-846 8082A	
WS-AOC14-SE-51	17H1621-15	Soil		SM 2540G	
				SW-846 8082A	
WS-AOC14-SE-52	17H1621-16	Soil		SM 2540G	
				SW-846 8082A	
WS-AOC14-SE-53	17H1621-17	Soil		SM 2540G	
				SW-846 8082A	
WS-AOC14-SE-54	17H1621-18	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 8082A	
				SW-846 8270D	
WS-AOC14-SE-55	17H1621-19	Soil		SM 2540G	
				SW-846 8082A	
WS-AOC14-SE-56	17H1621-20	Soil		SM 2540G	
				SW-846 8082A	
WS-AOC14-CO-Dup19	17H1621-21	Product/Solid		SW-846 8082A	
WS-AOC9-OIL-91	17H1621-22	Oil		EPA 600 4-81-045	
Equipment Blank-56	17H1621-23	Equipment Blank Water		SW-846 8082A	
Equipment Blank-57	17H1621-24	Equipment Blank Water		CTDEP ETPH	
				SW-846 8082A	
				SW-846 8270D	

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CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

For method 8270, only PAHs were requested and reported.

CTDEP ETPH

Qualifications:

S-01

The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences.

Analyte & Samples(s) Qualified:

o-Terphenyl
17H1621-18[WS-AOC14-SE-54]

SW-846 8082A

Qualifications:

DL-03

Elevated reporting limit due to matrix.

Analyte & Samples(s) Qualified:

17H1621-10[WS-AOC14-CO-52], 17H1621-12[WS-AOC14-CO-54], 17H1621-13[WS-AOC14-CO-55], 17H1621-14[WS-AOC14-CO-56]

V-06

Continuing calibration did not meet method specifications and was biased on the high side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the high side.

Analyte & Samples(s) Qualified:

Aroclor-1260
B185572-BS1, B185572-BSD1

Aroclor-1260 [2C]
B185572-BS1, B185572-BSD1

V-20

Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

Analyte & Samples(s) Qualified:

Aroclor-1260
17H1621-23[Equipment Blank-56], 17H1621-24[Equipment Blank-57]

SW-846 8270D

Qualifications:

RL-12

Elevated reporting limit due to matrix interference.

Analyte & Samples(s) Qualified:

17H1621-18[WS-AOC14-SE-54]

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

Lisa A. Worthington
Project Manager

con-test® ANALYTICAL LABORATORY

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1621

Date Received: 8/30/2017

Field Sample #: WS-AOC14-CO-43 Sampled: 8/30/2017 09:00

Sample ID: 17H1621-01

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	9/6/17	9/12/17 19:04	TG
Aroclor-1221 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	9/6/17	9/12/17 19:04	TG
Aroclor-1232 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	9/6/17	9/12/17 19:04	TG
Aroclor-1242 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	9/6/17	9/12/17 19:04	TG
Aroclor-1248 [2]	0.11	0.098	mg/Kg	1		SW-846 8082A	9/6/17	9/12/17 19:04	TG
Aroclor-1254 [2]	0.14	0.098	mg/Kg	1		SW-846 8082A	9/6/17	9/12/17 19:04	TG
Aroclor-1260 [2]	0.23	0.098	mg/Kg	1		SW-846 8082A	9/6/17	9/12/17 19:04	TG
Aroclor-1262 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	9/6/17	9/12/17 19:04	TG
Aroclor-1268 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	9/6/17	9/12/17 19:04	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	82.0	30-150		9/12/17 19:04
Decachlorobiphenyl [2]	78.6	30-150		9/12/17 19:04
Tetrachloro-m-xylene [1]	85.9	30-150		9/12/17 19:04
Tetrachloro-m-xylene [2]	87.7	30-150		9/12/17 19:04

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1621

Date Received: 8/30/2017

Field Sample #: WS-AOC14-CO-44 Sampled: 8/30/2017 09:10

Sample ID: 17H1621-02

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	9/6/17	9/12/17 19:22	TG
Aroclor-1221 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	9/6/17	9/12/17 19:22	TG
Aroclor-1232 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	9/6/17	9/12/17 19:22	TG
Aroclor-1242 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	9/6/17	9/12/17 19:22	TG
Aroclor-1248 [2]	0.16	0.099	mg/Kg	1		SW-846 8082A	9/6/17	9/12/17 19:22	TG
Aroclor-1254 [2]	0.18	0.099	mg/Kg	1		SW-846 8082A	9/6/17	9/12/17 19:22	TG
Aroclor-1260 [2]	0.20	0.099	mg/Kg	1		SW-846 8082A	9/6/17	9/12/17 19:22	TG
Aroclor-1262 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	9/6/17	9/12/17 19:22	TG
Aroclor-1268 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	9/6/17	9/12/17 19:22	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	81.6	30-150		9/12/17 19:22
Decachlorobiphenyl [2]	83.7	30-150		9/12/17 19:22
Tetrachloro-m-xylene [1]	83.9	30-150		9/12/17 19:22
Tetrachloro-m-xylene [2]	88.4	30-150		9/12/17 19:22

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1621

Date Received: 8/30/2017

Field Sample #: WS-AOC14-CO-45 Sampled: 8/30/2017 09:20

Sample ID: 17H1621-03

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	9/6/17	9/12/17 19:40	TG
Aroclor-1221 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	9/6/17	9/12/17 19:40	TG
Aroclor-1232 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	9/6/17	9/12/17 19:40	TG
Aroclor-1242 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	9/6/17	9/12/17 19:40	TG
Aroclor-1248 [2]	0.11	0.099	mg/Kg	1		SW-846 8082A	9/6/17	9/12/17 19:40	TG
Aroclor-1254 [2]	0.12	0.099	mg/Kg	1		SW-846 8082A	9/6/17	9/12/17 19:40	TG
Aroclor-1260 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	9/6/17	9/12/17 19:40	TG
Aroclor-1262 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	9/6/17	9/12/17 19:40	TG
Aroclor-1268 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	9/6/17	9/12/17 19:40	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	82.6	30-150		9/12/17 19:40
Decachlorobiphenyl [2]	79.9	30-150		9/12/17 19:40
Tetrachloro-m-xylene [1]	90.3	30-150		9/12/17 19:40
Tetrachloro-m-xylene [2]	89.2	30-150		9/12/17 19:40

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1621

Date Received: 8/30/2017

Field Sample #: WS-AOC14-CO-46 Sampled: 8/30/2017 09:30

Sample ID: 17H1621-04

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	9/6/17	9/12/17 19:57	TG
Aroclor-1221 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	9/6/17	9/12/17 19:57	TG
Aroclor-1232 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	9/6/17	9/12/17 19:57	TG
Aroclor-1242 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	9/6/17	9/12/17 19:57	TG
Aroclor-1248 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	9/6/17	9/12/17 19:57	TG
Aroclor-1254 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	9/6/17	9/12/17 19:57	TG
Aroclor-1260 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	9/6/17	9/12/17 19:57	TG
Aroclor-1262 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	9/6/17	9/12/17 19:57	TG
Aroclor-1268 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	9/6/17	9/12/17 19:57	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	86.1	30-150		9/12/17 19:57
Decachlorobiphenyl [2]	82.8	30-150		9/12/17 19:57
Tetrachloro-m-xylene [1]	89.8	30-150		9/12/17 19:57
Tetrachloro-m-xylene [2]	90.0	30-150		9/12/17 19:57

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1621

Date Received: 8/30/2017

Field Sample #: WS-AOC14-CO-47 Sampled: 8/30/2017 09:40

Sample ID: 17H1621-05

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	9/6/17	9/12/17 20:15	TG
Aroclor-1221 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	9/6/17	9/12/17 20:15	TG
Aroclor-1232 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	9/6/17	9/12/17 20:15	TG
Aroclor-1242 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	9/6/17	9/12/17 20:15	TG
Aroclor-1248 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	9/6/17	9/12/17 20:15	TG
Aroclor-1254 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	9/6/17	9/12/17 20:15	TG
Aroclor-1260 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	9/6/17	9/12/17 20:15	TG
Aroclor-1262 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	9/6/17	9/12/17 20:15	TG
Aroclor-1268 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	9/6/17	9/12/17 20:15	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	84.6	30-150		9/12/17 20:15
Decachlorobiphenyl [2]	79.7	30-150		9/12/17 20:15
Tetrachloro-m-xylene [1]	84.8	30-150		9/12/17 20:15
Tetrachloro-m-xylene [2]	87.9	30-150		9/12/17 20:15

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1621

Date Received: 8/30/2017

Field Sample #: WS-AOC14-CO-48 Sampled: 8/30/2017 09:50

Sample ID: 17H1621-06

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	9/6/17	9/12/17 20:33	TG
Aroclor-1221 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	9/6/17	9/12/17 20:33	TG
Aroclor-1232 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	9/6/17	9/12/17 20:33	TG
Aroclor-1242 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	9/6/17	9/12/17 20:33	TG
Aroclor-1248 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	9/6/17	9/12/17 20:33	TG
Aroclor-1254 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	9/6/17	9/12/17 20:33	TG
Aroclor-1260 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	9/6/17	9/12/17 20:33	TG
Aroclor-1262 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	9/6/17	9/12/17 20:33	TG
Aroclor-1268 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	9/6/17	9/12/17 20:33	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	81.7	30-150		9/12/17 20:33
Decachlorobiphenyl [2]	78.9	30-150		9/12/17 20:33
Tetrachloro-m-xylene [1]	84.3	30-150		9/12/17 20:33
Tetrachloro-m-xylene [2]	85.3	30-150		9/12/17 20:33

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1621

Date Received: 8/30/2017

Field Sample #: WS-AOC14-WO-49 Sampled: 8/30/2017 10:00

Sample ID: 17H1621-07

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	9/6/17	9/12/17 20:51	TG
Aroclor-1221 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	9/6/17	9/12/17 20:51	TG
Aroclor-1232 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	9/6/17	9/12/17 20:51	TG
Aroclor-1242 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	9/6/17	9/12/17 20:51	TG
Aroclor-1248 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	9/6/17	9/12/17 20:51	TG
Aroclor-1254 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	9/6/17	9/12/17 20:51	TG
Aroclor-1260 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	9/6/17	9/12/17 20:51	TG
Aroclor-1262 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	9/6/17	9/12/17 20:51	TG
Aroclor-1268 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	9/6/17	9/12/17 20:51	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	91.9	30-150		9/12/17 20:51
Decachlorobiphenyl [2]	88.1	30-150		9/12/17 20:51
Tetrachloro-m-xylene [1]	92.0	30-150		9/12/17 20:51
Tetrachloro-m-xylene [2]	91.9	30-150		9/12/17 20:51

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1621

Date Received: 8/30/2017

Field Sample #: WS-AOC14-CO-50 Sampled: 8/30/2017 10:10

Sample ID: 17H1621-08

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	9/6/17	9/12/17 21:56	TG
Aroclor-1221 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	9/6/17	9/12/17 21:56	TG
Aroclor-1232 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	9/6/17	9/12/17 21:56	TG
Aroclor-1242 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	9/6/17	9/12/17 21:56	TG
Aroclor-1248 [2]	0.10	0.096	mg/Kg	1		SW-846 8082A	9/6/17	9/12/17 21:56	TG
Aroclor-1254 [2]	0.11	0.096	mg/Kg	1		SW-846 8082A	9/6/17	9/12/17 21:56	TG
Aroclor-1260 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	9/6/17	9/12/17 21:56	TG
Aroclor-1262 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	9/6/17	9/12/17 21:56	TG
Aroclor-1268 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	9/6/17	9/12/17 21:56	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	83.8	30-150		9/12/17 21:56
Decachlorobiphenyl [2]	80.9	30-150		9/12/17 21:56
Tetrachloro-m-xylene [1]	70.8	30-150		9/12/17 21:56
Tetrachloro-m-xylene [2]	73.8	30-150		9/12/17 21:56

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1621

Date Received: 8/30/2017

Field Sample #: WS-AOC14-CO-51 Sampled: 8/30/2017 11:00

Sample ID: 17H1621-09

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	9/6/17	9/12/17 22:14	TG
Aroclor-1221 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	9/6/17	9/12/17 22:14	TG
Aroclor-1232 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	9/6/17	9/12/17 22:14	TG
Aroclor-1242 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	9/6/17	9/12/17 22:14	TG
Aroclor-1248 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	9/6/17	9/12/17 22:14	TG
Aroclor-1254 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	9/6/17	9/12/17 22:14	TG
Aroclor-1260 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	9/6/17	9/12/17 22:14	TG
Aroclor-1262 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	9/6/17	9/12/17 22:14	TG
Aroclor-1268 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	9/6/17	9/12/17 22:14	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	53.4	30-150		9/12/17 22:14
Decachlorobiphenyl [2]	52.5	30-150		9/12/17 22:14
Tetrachloro-m-xylene [1]	55.6	30-150		9/12/17 22:14
Tetrachloro-m-xylene [2]	57.5	30-150		9/12/17 22:14

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1621

Date Received: 8/30/2017

Field Sample #: WS-AOC14-CO-52 Sampled: 8/30/2017 11:10

Sample ID: 17H1621-10

Sample Matrix: Product/Solid

Sample Flags: DL-03

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	9/6/17	9/13/17 8:45	TG
Aroclor-1221 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	9/6/17	9/13/17 8:45	TG
Aroclor-1232 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	9/6/17	9/13/17 8:45	TG
Aroclor-1242 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	9/6/17	9/13/17 8:45	TG
Aroclor-1248 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	9/6/17	9/13/17 8:45	TG
Aroclor-1254 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	9/6/17	9/13/17 8:45	TG
Aroclor-1260 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	9/6/17	9/13/17 8:45	TG
Aroclor-1262 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	9/6/17	9/13/17 8:45	TG
Aroclor-1268 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	9/6/17	9/13/17 8:45	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	95.8	30-150		9/13/17 8:45
Decachlorobiphenyl [2]	101	30-150		9/13/17 8:45
Tetrachloro-m-xylene [1]	96.7	30-150		9/13/17 8:45
Tetrachloro-m-xylene [2]	103	30-150		9/13/17 8:45

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1621

Date Received: 8/30/2017

Field Sample #: WS-AOC14-CO-53 Sampled: 8/30/2017 11:20

Sample ID: 17H1621-11

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	9/6/17	9/12/17 22:49	TG
Aroclor-1221 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	9/6/17	9/12/17 22:49	TG
Aroclor-1232 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	9/6/17	9/12/17 22:49	TG
Aroclor-1242 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	9/6/17	9/12/17 22:49	TG
Aroclor-1248 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	9/6/17	9/12/17 22:49	TG
Aroclor-1254 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	9/6/17	9/12/17 22:49	TG
Aroclor-1260 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	9/6/17	9/12/17 22:49	TG
Aroclor-1262 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	9/6/17	9/12/17 22:49	TG
Aroclor-1268 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	9/6/17	9/12/17 22:49	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	81.9	30-150		9/12/17 22:49
Decachlorobiphenyl [2]	78.6	30-150		9/12/17 22:49
Tetrachloro-m-xylene [1]	81.9	30-150		9/12/17 22:49
Tetrachloro-m-xylene [2]	82.7	30-150		9/12/17 22:49

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1621

Date Received: 8/30/2017

Field Sample #: WS-AOC14-CO-54 Sampled: 8/30/2017 11:30

Sample ID: 17H1621-12

Sample Matrix: Product/Solid

Sample Flags: DL-03

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	9/6/17	9/13/17 9:02	TG
Aroclor-1221 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	9/6/17	9/13/17 9:02	TG
Aroclor-1232 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	9/6/17	9/13/17 9:02	TG
Aroclor-1242 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	9/6/17	9/13/17 9:02	TG
Aroclor-1248 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	9/6/17	9/13/17 9:02	TG
Aroclor-1254 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	9/6/17	9/13/17 9:02	TG
Aroclor-1260 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	9/6/17	9/13/17 9:02	TG
Aroclor-1262 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	9/6/17	9/13/17 9:02	TG
Aroclor-1268 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	9/6/17	9/13/17 9:02	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	96.0	30-150		9/13/17 9:02
Decachlorobiphenyl [2]	101	30-150		9/13/17 9:02
Tetrachloro-m-xylene [1]	92.4	30-150		9/13/17 9:02
Tetrachloro-m-xylene [2]	97.9	30-150		9/13/17 9:02

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1621

Date Received: 8/30/2017

Field Sample #: WS-AOC14-CO-55 Sampled: 8/30/2017 11:40

Sample ID: 17H1621-13

Sample Matrix: Product/Solid

Sample Flags: DL-03

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.96	mg/Kg	10		SW-846 8082A	9/6/17	9/13/17 9:20	TG
Aroclor-1221 [1]	ND	0.96	mg/Kg	10		SW-846 8082A	9/6/17	9/13/17 9:20	TG
Aroclor-1232 [1]	ND	0.96	mg/Kg	10		SW-846 8082A	9/6/17	9/13/17 9:20	TG
Aroclor-1242 [1]	ND	0.96	mg/Kg	10		SW-846 8082A	9/6/17	9/13/17 9:20	TG
Aroclor-1248 [1]	ND	0.96	mg/Kg	10		SW-846 8082A	9/6/17	9/13/17 9:20	TG
Aroclor-1254 [1]	ND	0.96	mg/Kg	10		SW-846 8082A	9/6/17	9/13/17 9:20	TG
Aroclor-1260 [1]	ND	0.96	mg/Kg	10		SW-846 8082A	9/6/17	9/13/17 9:20	TG
Aroclor-1262 [1]	ND	0.96	mg/Kg	10		SW-846 8082A	9/6/17	9/13/17 9:20	TG
Aroclor-1268 [1]	ND	0.96	mg/Kg	10		SW-846 8082A	9/6/17	9/13/17 9:20	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	88.8	30-150		9/13/17 9:20
Decachlorobiphenyl [2]	94.2	30-150		9/13/17 9:20
Tetrachloro-m-xylene [1]	88.4	30-150		9/13/17 9:20
Tetrachloro-m-xylene [2]	93.0	30-150		9/13/17 9:20

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1621

Date Received: 8/30/2017

Field Sample #: WS-AOC14-CO-56 Sampled: 8/30/2017 11:50

Sample ID: 17H1621-14

Sample Matrix: Product/Solid

Sample Flags: DL-03

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.96	mg/Kg	10		SW-846 8082A	9/6/17	9/13/17 9:38	TG
Aroclor-1221 [1]	ND	0.96	mg/Kg	10		SW-846 8082A	9/6/17	9/13/17 9:38	TG
Aroclor-1232 [1]	ND	0.96	mg/Kg	10		SW-846 8082A	9/6/17	9/13/17 9:38	TG
Aroclor-1242 [1]	ND	0.96	mg/Kg	10		SW-846 8082A	9/6/17	9/13/17 9:38	TG
Aroclor-1248 [1]	ND	0.96	mg/Kg	10		SW-846 8082A	9/6/17	9/13/17 9:38	TG
Aroclor-1254 [1]	ND	0.96	mg/Kg	10		SW-846 8082A	9/6/17	9/13/17 9:38	TG
Aroclor-1260 [1]	ND	0.96	mg/Kg	10		SW-846 8082A	9/6/17	9/13/17 9:38	TG
Aroclor-1262 [1]	ND	0.96	mg/Kg	10		SW-846 8082A	9/6/17	9/13/17 9:38	TG
Aroclor-1268 [1]	ND	0.96	mg/Kg	10		SW-846 8082A	9/6/17	9/13/17 9:38	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	61.6	30-150		9/13/17 9:38
Decachlorobiphenyl [2]	66.5	30-150		9/13/17 9:38
Tetrachloro-m-xylene [1]	60.6	30-150		9/13/17 9:38
Tetrachloro-m-xylene [2]	65.6	30-150		9/13/17 9:38

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1621

Date Received: 8/30/2017

Field Sample #: WS-AOC14-SE-51 Sampled: 8/30/2017 11:05

Sample ID: 17H1621-15

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.18	mg/Kg dry	4		SW-846 8082A	9/6/17	9/10/17 2:24	TG
Aroclor-1221 [1]	ND	0.18	mg/Kg dry	4		SW-846 8082A	9/6/17	9/10/17 2:24	TG
Aroclor-1232 [1]	ND	0.18	mg/Kg dry	4		SW-846 8082A	9/6/17	9/10/17 2:24	TG
Aroclor-1242 [1]	ND	0.18	mg/Kg dry	4		SW-846 8082A	9/6/17	9/10/17 2:24	TG
Aroclor-1248 [1]	0.59	0.18	mg/Kg dry	4		SW-846 8082A	9/6/17	9/10/17 2:24	TG
Aroclor-1254 [2]	0.53	0.18	mg/Kg dry	4		SW-846 8082A	9/6/17	9/10/17 2:24	TG
Aroclor-1260 [2]	0.21	0.18	mg/Kg dry	4		SW-846 8082A	9/6/17	9/10/17 2:24	TG
Aroclor-1262 [1]	ND	0.18	mg/Kg dry	4		SW-846 8082A	9/6/17	9/10/17 2:24	TG
Aroclor-1268 [1]	ND	0.18	mg/Kg dry	4		SW-846 8082A	9/6/17	9/10/17 2:24	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	61.6	30-150		9/10/17 2:24
Decachlorobiphenyl [2]	66.6	30-150		9/10/17 2:24
Tetrachloro-m-xylene [1]	74.1	30-150		9/10/17 2:24
Tetrachloro-m-xylene [2]	76.6	30-150		9/10/17 2:24

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1621

Date Received: 8/30/2017

Field Sample #: WS-AOC14-SE-51 Sampled: 8/30/2017 11:05

Sample ID: 17H1621-15

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	43.3		% Wt	1		SM 2540G	9/1/17	9/5/17 7:29	MRL

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1621

Date Received: 8/30/2017

Field Sample #: WS-AOC14-SE-52 Sampled: 8/30/2017 11:15

Sample ID: 17H1621-16

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	9/6/17	9/10/17 2:37	TG
Aroclor-1221 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	9/6/17	9/10/17 2:37	TG
Aroclor-1232 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	9/6/17	9/10/17 2:37	TG
Aroclor-1242 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	9/6/17	9/10/17 2:37	TG
Aroclor-1248 [2]	0.31	0.10	mg/Kg dry	4		SW-846 8082A	9/6/17	9/10/17 2:37	TG
Aroclor-1254 [2]	0.34	0.10	mg/Kg dry	4		SW-846 8082A	9/6/17	9/10/17 2:37	TG
Aroclor-1260 [2]	0.12	0.10	mg/Kg dry	4		SW-846 8082A	9/6/17	9/10/17 2:37	TG
Aroclor-1262 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	9/6/17	9/10/17 2:37	TG
Aroclor-1268 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	9/6/17	9/10/17 2:37	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	71.7	30-150		9/10/17 2:37
Decachlorobiphenyl [2]	75.9	30-150		9/10/17 2:37
Tetrachloro-m-xylene [1]	85.1	30-150		9/10/17 2:37
Tetrachloro-m-xylene [2]	88.0	30-150		9/10/17 2:37

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1621

Date Received: 8/30/2017

Field Sample #: WS-AOC14-SE-52 Sampled: 8/30/2017 11:15

Sample ID: 17H1621-16

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	76.3		% Wt	1		SM 2540G	9/1/17	9/5/17 7:29	MRL

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1621

Date Received: 8/30/2017

Field Sample #: WS-AOC14-SE-53 Sampled: 8/30/2017 11:25

Sample ID: 17H1621-17

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	9/6/17	9/10/17 2:49	TG
Aroclor-1221 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	9/6/17	9/10/17 2:49	TG
Aroclor-1232 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	9/6/17	9/10/17 2:49	TG
Aroclor-1242 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	9/6/17	9/10/17 2:49	TG
Aroclor-1248 [2]	0.097	0.093	mg/Kg dry	4		SW-846 8082A	9/6/17	9/10/17 2:49	TG
Aroclor-1254 [2]	0.12	0.093	mg/Kg dry	4		SW-846 8082A	9/6/17	9/10/17 2:49	TG
Aroclor-1260 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	9/6/17	9/10/17 2:49	TG
Aroclor-1262 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	9/6/17	9/10/17 2:49	TG
Aroclor-1268 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	9/6/17	9/10/17 2:49	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	71.4	30-150		9/10/17 2:49
Decachlorobiphenyl [2]	74.8	30-150		9/10/17 2:49
Tetrachloro-m-xylene [1]	80.4	30-150		9/10/17 2:49
Tetrachloro-m-xylene [2]	84.4	30-150		9/10/17 2:49

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1621

Date Received: 8/30/2017

Field Sample #: WS-AOC14-SE-53 Sampled: 8/30/2017 11:25

Sample ID: 17H1621-17

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	84.0		% Wt	1		SM 2540G	9/1/17	9/5/17 7:29	MRL

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1621

Date Received: 8/30/2017

Field Sample #: WS-AOC14-SE-54 Sampled: 8/30/2017 11:35

Sample ID: 17H1621-18

Sample Matrix: Soil

Sample Flags: RL-12

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	1.1	mg/Kg dry	2		SW-846 8270D	9/6/17	9/8/17 15:49	BGL
Acenaphthylene	ND	1.1	mg/Kg dry	2		SW-846 8270D	9/6/17	9/8/17 15:49	BGL
Anthracene	ND	1.1	mg/Kg dry	2		SW-846 8270D	9/6/17	9/8/17 15:49	BGL
Benzo(a)anthracene	ND	1.1	mg/Kg dry	2		SW-846 8270D	9/6/17	9/8/17 15:49	BGL
Benzo(a)pyrene	ND	1.1	mg/Kg dry	2		SW-846 8270D	9/6/17	9/8/17 15:49	BGL
Benzo(b)fluoranthene	ND	1.1	mg/Kg dry	2		SW-846 8270D	9/6/17	9/8/17 15:49	BGL
Benzo(g,h,i)perylene	ND	1.1	mg/Kg dry	2		SW-846 8270D	9/6/17	9/8/17 15:49	BGL
Benzo(k)fluoranthene	ND	1.1	mg/Kg dry	2		SW-846 8270D	9/6/17	9/8/17 15:49	BGL
Chrysene	ND	1.1	mg/Kg dry	2		SW-846 8270D	9/6/17	9/8/17 15:49	BGL
Dibenz(a,h)anthracene	ND	1.1	mg/Kg dry	2		SW-846 8270D	9/6/17	9/8/17 15:49	BGL
Fluoranthene	1.7	1.1	mg/Kg dry	2		SW-846 8270D	9/6/17	9/8/17 15:49	BGL
Fluorene	ND	1.1	mg/Kg dry	2		SW-846 8270D	9/6/17	9/8/17 15:49	BGL
Indeno(1,2,3-cd)pyrene	ND	1.1	mg/Kg dry	2		SW-846 8270D	9/6/17	9/8/17 15:49	BGL
2-Methylnaphthalene	ND	1.1	mg/Kg dry	2		SW-846 8270D	9/6/17	9/8/17 15:49	BGL
Naphthalene	ND	1.1	mg/Kg dry	2		SW-846 8270D	9/6/17	9/8/17 15:49	BGL
Phenanthrene	ND	1.1	mg/Kg dry	2		SW-846 8270D	9/6/17	9/8/17 15:49	BGL
Pyrene	1.6	1.1	mg/Kg dry	2		SW-846 8270D	9/6/17	9/8/17 15:49	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Nitrobenzene-d5	62.0	30-130		9/8/17 15:49
2-Fluorobiphenyl	61.7	30-130		9/8/17 15:49
p-Terphenyl-d14	72.0	30-130		9/8/17 15:49

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1621

Date Received: 8/30/2017

Field Sample #: WS-AOC14-SE-54 Sampled: 8/30/2017 11:35

Sample ID: 17H1621-18

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.12	mg/Kg dry	4		SW-846 8082A	9/6/17	9/10/17 3:02	TG
Aroclor-1221 [1]	ND	0.12	mg/Kg dry	4		SW-846 8082A	9/6/17	9/10/17 3:02	TG
Aroclor-1232 [1]	ND	0.12	mg/Kg dry	4		SW-846 8082A	9/6/17	9/10/17 3:02	TG
Aroclor-1242 [1]	ND	0.12	mg/Kg dry	4		SW-846 8082A	9/6/17	9/10/17 3:02	TG
Aroclor-1248 [1]	0.21	0.12	mg/Kg dry	4		SW-846 8082A	9/6/17	9/10/17 3:02	TG
Aroclor-1254 [2]	0.35	0.12	mg/Kg dry	4		SW-846 8082A	9/6/17	9/10/17 3:02	TG
Aroclor-1260 [1]	ND	0.12	mg/Kg dry	4		SW-846 8082A	9/6/17	9/10/17 3:02	TG
Aroclor-1262 [1]	ND	0.12	mg/Kg dry	4		SW-846 8082A	9/6/17	9/10/17 3:02	TG
Aroclor-1268 [1]	ND	0.12	mg/Kg dry	4		SW-846 8082A	9/6/17	9/10/17 3:02	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	57.4	30-150		9/10/17 3:02
Decachlorobiphenyl [2]	60.6	30-150		9/10/17 3:02
Tetrachloro-m-xylene [1]	71.6	30-150		9/10/17 3:02
Tetrachloro-m-xylene [2]	75.4	30-150		9/10/17 3:02

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1621

Date Received: 8/30/2017

Field Sample #: WS-AOC14-SE-54 Sampled: 8/30/2017 11:35

Sample ID: 17H1621-18

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	1900	320	mg/Kg dry	20		CTDEP ETPH	9/6/17	9/8/17 3:46	PJG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
o-Terphenyl	*	50-150	S-01	9/8/17 3:46

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1621

Date Received: 8/30/2017

Field Sample #: WS-AOC14-SE-54 Sampled: 8/30/2017 11:35

Sample ID: 17H1621-18

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	62.5		% Wt	1		SM 2540G	9/1/17	9/5/17 7:29	MRL

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1621

Date Received: 8/30/2017

Field Sample #: WS-AOC14-SE-55 Sampled: 8/30/2017 11:45

Sample ID: 17H1621-19

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.52	mg/Kg dry	8		SW-846 8082A	9/6/17	9/10/17 3:15	TG
Aroclor-1221 [1]	ND	0.52	mg/Kg dry	8		SW-846 8082A	9/6/17	9/10/17 3:15	TG
Aroclor-1232 [1]	ND	0.52	mg/Kg dry	8		SW-846 8082A	9/6/17	9/10/17 3:15	TG
Aroclor-1242 [1]	ND	0.52	mg/Kg dry	8		SW-846 8082A	9/6/17	9/10/17 3:15	TG
Aroclor-1248 [1]	2.1	0.52	mg/Kg dry	8		SW-846 8082A	9/6/17	9/10/17 3:15	TG
Aroclor-1254 [2]	1.7	0.52	mg/Kg dry	8		SW-846 8082A	9/6/17	9/10/17 3:15	TG
Aroclor-1260 [2]	0.64	0.52	mg/Kg dry	8		SW-846 8082A	9/6/17	9/10/17 3:15	TG
Aroclor-1262 [1]	ND	0.52	mg/Kg dry	8		SW-846 8082A	9/6/17	9/10/17 3:15	TG
Aroclor-1268 [1]	ND	0.52	mg/Kg dry	8		SW-846 8082A	9/6/17	9/10/17 3:15	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	52.5	30-150		9/10/17 3:15
Decachlorobiphenyl [2]	61.5	30-150		9/10/17 3:15
Tetrachloro-m-xylene [1]	66.1	30-150		9/10/17 3:15
Tetrachloro-m-xylene [2]	71.8	30-150		9/10/17 3:15

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1621

Date Received: 8/30/2017

Field Sample #: WS-AOC14-SE-55 Sampled: 8/30/2017 11:45

Sample ID: 17H1621-19

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	30.8		% Wt	1		SM 2540G	9/1/17	9/5/17 7:29	MRL

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1621

Date Received: 8/30/2017

Field Sample #: WS-AOC14-SE-56 Sampled: 8/30/2017 11:55

Sample ID: 17H1621-20

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.17	mg/Kg dry	4		SW-846 8082A	9/6/17	9/10/17 3:27	TG
Aroclor-1221 [1]	ND	0.17	mg/Kg dry	4		SW-846 8082A	9/6/17	9/10/17 3:27	TG
Aroclor-1232 [1]	ND	0.17	mg/Kg dry	4		SW-846 8082A	9/6/17	9/10/17 3:27	TG
Aroclor-1242 [1]	ND	0.17	mg/Kg dry	4		SW-846 8082A	9/6/17	9/10/17 3:27	TG
Aroclor-1248 [2]	0.33	0.17	mg/Kg dry	4		SW-846 8082A	9/6/17	9/10/17 3:27	TG
Aroclor-1254 [2]	0.55	0.17	mg/Kg dry	4		SW-846 8082A	9/6/17	9/10/17 3:27	TG
Aroclor-1260 [2]	0.30	0.17	mg/Kg dry	4		SW-846 8082A	9/6/17	9/10/17 3:27	TG
Aroclor-1262 [1]	ND	0.17	mg/Kg dry	4		SW-846 8082A	9/6/17	9/10/17 3:27	TG
Aroclor-1268 [1]	ND	0.17	mg/Kg dry	4		SW-846 8082A	9/6/17	9/10/17 3:27	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	63.2	30-150		9/10/17 3:27
Decachlorobiphenyl [2]	68.9	30-150		9/10/17 3:27
Tetrachloro-m-xylene [1]	75.1	30-150		9/10/17 3:27
Tetrachloro-m-xylene [2]	78.8	30-150		9/10/17 3:27

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1621

Date Received: 8/30/2017

Field Sample #: WS-AOC14-SE-56 Sampled: 8/30/2017 11:55

Sample ID: 17H1621-20

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	47.8		% Wt	1		SM 2540G	9/1/17	9/5/17 7:29	MRL

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1621

Date Received: 8/30/2017

Field Sample #: WS-AOC14-CO-Dup19 Sampled: 8/30/2017 00:00

Sample ID: 17H1621-21

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	9/6/17	9/13/17 0:00	TG
Aroclor-1221 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	9/6/17	9/13/17 0:00	TG
Aroclor-1232 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	9/6/17	9/13/17 0:00	TG
Aroclor-1242 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	9/6/17	9/13/17 0:00	TG
Aroclor-1248 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	9/6/17	9/13/17 0:00	TG
Aroclor-1254 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	9/6/17	9/13/17 0:00	TG
Aroclor-1260 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	9/6/17	9/13/17 0:00	TG
Aroclor-1262 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	9/6/17	9/13/17 0:00	TG
Aroclor-1268 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	9/6/17	9/13/17 0:00	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	72.4	30-150		9/13/17 0:00
Decachlorobiphenyl [2]	69.8	30-150		9/13/17 0:00
Tetrachloro-m-xylene [1]	66.8	30-150		9/13/17 0:00
Tetrachloro-m-xylene [2]	66.9	30-150		9/13/17 0:00

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1621

Date Received: 8/30/2017

Field Sample #: WS-AOC9-OIL-91 Sampled: 8/30/2017 08:30

Sample ID: 17H1621-22

Sample Matrix: Oil

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.99	mg/Kg	1		EPA 600 4-81-045	9/7/17	9/13/17 11:03	TG
Aroclor-1221 [1]	ND	0.99	mg/Kg	1		EPA 600 4-81-045	9/7/17	9/13/17 11:03	TG
Aroclor-1232 [1]	ND	0.99	mg/Kg	1		EPA 600 4-81-045	9/7/17	9/13/17 11:03	TG
Aroclor-1242 [1]	ND	0.99	mg/Kg	1		EPA 600 4-81-045	9/7/17	9/13/17 11:03	TG
Aroclor-1248 [1]	ND	0.99	mg/Kg	1		EPA 600 4-81-045	9/7/17	9/13/17 11:03	TG
Aroclor-1254 [1]	ND	0.99	mg/Kg	1		EPA 600 4-81-045	9/7/17	9/13/17 11:03	TG
Aroclor-1260 [1]	5.0	0.99	mg/Kg	1		EPA 600 4-81-045	9/7/17	9/13/17 11:03	TG
Aroclor-1262 [1]	ND	0.99	mg/Kg	1		EPA 600 4-81-045	9/7/17	9/13/17 11:03	TG
Aroclor-1268 [1]	ND	0.99	mg/Kg	1		EPA 600 4-81-045	9/7/17	9/13/17 11:03	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	105	30-150		9/13/17 11:03
Decachlorobiphenyl [2]	86.6	30-150		9/13/17 11:03
Tetrachloro-m-xylene [1]	105	30-150		9/13/17 11:03
Tetrachloro-m-xylene [2]	101	30-150		9/13/17 11:03

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1621

Date Received: 8/30/2017

Field Sample #: Equipment Blank-56 Sampled: 8/30/2017 08:00

Sample ID: 17H1621-23

Sample Matrix: Equipment Blank Water

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/6/17	9/8/17 22:24	TG
Aroclor-1221 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/6/17	9/8/17 22:24	TG
Aroclor-1232 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/6/17	9/8/17 22:24	TG
Aroclor-1242 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/6/17	9/8/17 22:24	TG
Aroclor-1248 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/6/17	9/8/17 22:24	TG
Aroclor-1254 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/6/17	9/8/17 22:24	TG
Aroclor-1260 [1]	ND	0.20	µg/L	1	V-20	SW-846 8082A	9/6/17	9/8/17 22:24	TG
Aroclor-1262 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/6/17	9/8/17 22:24	TG
Aroclor-1268 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/6/17	9/8/17 22:24	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	92.9	30-150		9/8/17 22:24
Decachlorobiphenyl [2]	100	30-150		9/8/17 22:24
Tetrachloro-m-xylene [1]	93.7	30-150		9/8/17 22:24
Tetrachloro-m-xylene [2]	90.9	30-150		9/8/17 22:24

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1621

Date Received: 8/30/2017

Field Sample #: Equipment Blank-57 Sampled: 8/30/2017 08:15

Sample ID: 17H1621-24

Sample Matrix: Equipment Blank Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene (SIM)	ND	0.30	µg/L	1		SW-846 8270D	9/2/17	9/7/17 19:12	CJM
Acenaphthylene (SIM)	ND	0.30	µg/L	1		SW-846 8270D	9/2/17	9/7/17 19:12	CJM
Anthracene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	9/2/17	9/7/17 19:12	CJM
Benzo(a)anthracene (SIM)	ND	0.050	µg/L	1		SW-846 8270D	9/2/17	9/7/17 19:12	CJM
Benzo(a)pyrene (SIM)	ND	0.10	µg/L	1		SW-846 8270D	9/2/17	9/7/17 19:12	CJM
Benzo(b)fluoranthene (SIM)	ND	0.050	µg/L	1		SW-846 8270D	9/2/17	9/7/17 19:12	CJM
Benzo(g,h,i)perylene (SIM)	ND	0.50	µg/L	1		SW-846 8270D	9/2/17	9/7/17 19:12	CJM
Benzo(k)fluoranthene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	9/2/17	9/7/17 19:12	CJM
Chrysene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	9/2/17	9/7/17 19:12	CJM
Dibenz(a,h)anthracene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	9/2/17	9/7/17 19:12	CJM
Fluoranthene (SIM)	ND	0.50	µg/L	1		SW-846 8270D	9/2/17	9/7/17 19:12	CJM
Fluorene (SIM)	ND	1.0	µg/L	1		SW-846 8270D	9/2/17	9/7/17 19:12	CJM
Indeno(1,2,3-cd)pyrene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	9/2/17	9/7/17 19:12	CJM
2-Methylnaphthalene (SIM)	ND	1.0	µg/L	1		SW-846 8270D	9/2/17	9/7/17 19:12	CJM
Naphthalene (SIM)	ND	1.0	µg/L	1		SW-846 8270D	9/2/17	9/7/17 19:12	CJM
Phenanthrene (SIM)	ND	0.050	µg/L	1		SW-846 8270D	9/2/17	9/7/17 19:12	CJM
Pyrene (SIM)	ND	1.0	µg/L	1		SW-846 8270D	9/2/17	9/7/17 19:12	CJM

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Nitrobenzene-d5	75.1	30-130		9/7/17 19:12
2-Fluorobiphenyl	73.1	30-130		9/7/17 19:12
p-Terphenyl-d14	67.2	30-130		9/7/17 19:12

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1621

Date Received: 8/30/2017

Field Sample #: Equipment Blank-57 Sampled: 8/30/2017 08:15

Sample ID: 17H1621-24

Sample Matrix: Equipment Blank Water

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/6/17	9/8/17 22:37	TG
Aroclor-1221 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/6/17	9/8/17 22:37	TG
Aroclor-1232 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/6/17	9/8/17 22:37	TG
Aroclor-1242 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/6/17	9/8/17 22:37	TG
Aroclor-1248 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/6/17	9/8/17 22:37	TG
Aroclor-1254 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/6/17	9/8/17 22:37	TG
Aroclor-1260 [1]	ND	0.20	µg/L	1	V-20	SW-846 8082A	9/6/17	9/8/17 22:37	TG
Aroclor-1262 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/6/17	9/8/17 22:37	TG
Aroclor-1268 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/6/17	9/8/17 22:37	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	93.5	30-150		9/8/17 22:37
Decachlorobiphenyl [2]	101	30-150		9/8/17 22:37
Tetrachloro-m-xylene [1]	92.9	30-150		9/8/17 22:37
Tetrachloro-m-xylene [2]	89.8	30-150		9/8/17 22:37

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1621

Date Received: 8/30/2017

Field Sample #: Equipment Blank-57 Sampled: 8/30/2017 08:15

Sample ID: 17H1621-24

Sample Matrix: Equipment Blank Water

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	ND	0.075	mg/L	1		CTDEP ETPH	9/6/17	9/8/17 20:44	SCS

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
o-Terphenyl	95.6	50-150		9/8/17 20:44

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Sample Extraction Data

Prep Method: SW-846 3546-CTDEP ETPH

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17H1621-18 [WS-AOC14-SE-54]	B185603	30.0	1.00	09/06/17

Prep Method: SW-846 3510C-CTDEP ETPH

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
17H1621-24 [Equipment Blank-57]	B185641	1000	1.00	09/06/17

Prep Method: SW-846 3580A-EPA 600 4-81-045

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17H1621-22 [WS-AOC9-OIL-91]	B185719	0.203	10.0	09/07/17

Prep Method: % Solids-SM 2540G

Lab Number [Field ID]	Batch	Date
17H1621-15 [WS-AOC14-SE-51]	B185393	09/01/17
17H1621-16 [WS-AOC14-SE-52]	B185393	09/01/17
17H1621-17 [WS-AOC14-SE-53]	B185393	09/01/17
17H1621-18 [WS-AOC14-SE-54]	B185393	09/01/17
17H1621-19 [WS-AOC14-SE-55]	B185393	09/01/17
17H1621-20 [WS-AOC14-SE-56]	B185393	09/01/17

Prep Method: SW-846 3540C-SW-846 8082A

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17H1621-01 [WS-AOC14-CO-43]	B185662	2.04	10.0	09/06/17
17H1621-02 [WS-AOC14-CO-44]	B185662	2.02	10.0	09/06/17
17H1621-03 [WS-AOC14-CO-45]	B185662	2.03	10.0	09/06/17
17H1621-04 [WS-AOC14-CO-46]	B185662	2.08	10.0	09/06/17
17H1621-05 [WS-AOC14-CO-47]	B185662	2.04	10.0	09/06/17
17H1621-06 [WS-AOC14-CO-48]	B185662	2.07	10.0	09/06/17
17H1621-07 [WS-AOC14-WO-49]	B185662	2.15	10.0	09/06/17
17H1621-08 [WS-AOC14-CO-50]	B185662	2.09	10.0	09/06/17
17H1621-09 [WS-AOC14-CO-51]	B185662	2.05	10.0	09/06/17
17H1621-10 [WS-AOC14-CO-52]	B185662	2.02	10.0	09/06/17
17H1621-11 [WS-AOC14-CO-53]	B185662	2.02	10.0	09/06/17
17H1621-12 [WS-AOC14-CO-54]	B185662	2.02	10.0	09/06/17
17H1621-13 [WS-AOC14-CO-55]	B185662	2.08	10.0	09/06/17
17H1621-14 [WS-AOC14-CO-56]	B185662	2.08	10.0	09/06/17
17H1621-21 [WS-AOC14-CO-Dup19]	B185662	2.09	10.0	09/06/17

Prep Method: SW-846 3540C-SW-846 8082A

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17H1621-15 [WS-AOC14-SE-51]	B185576	10.1	10.0	09/06/17
17H1621-16 [WS-AOC14-SE-52]	B185576	10.2	10.0	09/06/17
17H1621-17 [WS-AOC14-SE-53]	B185576	10.2	10.0	09/06/17
17H1621-18 [WS-AOC14-SE-54]	B185576	10.3	10.0	09/06/17
17H1621-19 [WS-AOC14-SE-55]	B185576	10.0	10.0	09/06/17

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Sample Extraction Data

Prep Method: SW-846 3540C-SW-846 8082A

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17H1621-20 [WS-AOC14-SE-56]	B185576	10.1	10.0	09/06/17

Prep Method: SW-846 3510C-SW-846 8082A

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
17H1621-23 [Equipment Blank-56]	B185572	1000	10.0	09/06/17
17H1621-24 [Equipment Blank-57]	B185572	1000	10.0	09/06/17

Prep Method: SW-846 3546-SW-846 8270D

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17H1621-18 [WS-AOC14-SE-54]	B185658	30.0	2.00	09/06/17

Prep Method: SW-846 3510C-SW-846 8270D

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
17H1621-24 [Equipment Blank-57]	B185447	1000	1.00	09/02/17

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B185447 - SW-846 3510C										
Blank (B185447-BLK1)				Prepared: 09/02/17 Analyzed: 09/06/17						
Acenaphthene (SIM)	ND	0.30	µg/L							
Acenaphthylene (SIM)	ND	0.30	µg/L							
Anthracene (SIM)	ND	0.20	µg/L							
Benzo(a)anthracene (SIM)	ND	0.050	µg/L							
Benzo(a)pyrene (SIM)	ND	0.10	µg/L							
Benzo(b)fluoranthene (SIM)	ND	0.050	µg/L							
Benzo(g,h,i)perylene (SIM)	ND	0.50	µg/L							
Benzo(k)fluoranthene (SIM)	ND	0.20	µg/L							
Chrysene (SIM)	ND	0.20	µg/L							
Dibenz(a,h)anthracene (SIM)	ND	0.20	µg/L							
Fluoranthene (SIM)	ND	0.50	µg/L							
Fluorene (SIM)	ND	1.0	µg/L							
Indeno(1,2,3-cd)pyrene (SIM)	ND	0.20	µg/L							
2-Methylnaphthalene (SIM)	ND	1.0	µg/L							
Naphthalene (SIM)	ND	1.0	µg/L							
Phenanthrene (SIM)	ND	0.050	µg/L							
Pyrene (SIM)	ND	1.0	µg/L							
Surrogate: Nitrobenzene-d5	*77.8*		µg/L	100		77.8	30-130			
Surrogate: 2-Fluorobiphenyl	*73.6*		µg/L	100		73.6	30-130			
Surrogate: p-Terphenyl-d14	*68.8*		µg/L	100		68.8	30-130			
LCS (B185447-BS1)				Prepared: 09/02/17 Analyzed: 09/06/17						
Acenaphthene (SIM)	48.8	7.5	µg/L	50.0		97.7	40-140			
Acenaphthylene (SIM)	47.6	7.5	µg/L	50.0		95.3	40-140			
Anthracene (SIM)	51.3	5.0	µg/L	50.0		103	40-140			
Benzo(a)anthracene (SIM)	50.0	1.2	µg/L	50.0		100	40-140			
Benzo(a)pyrene (SIM)	53.6	2.5	µg/L	50.0		107	40-140			
Benzo(b)fluoranthene (SIM)	53.7	1.2	µg/L	50.0		107	40-140			
Benzo(g,h,i)perylene (SIM)	51.6	12	µg/L	50.0		103	40-140			
Benzo(k)fluoranthene (SIM)	52.7	5.0	µg/L	50.0		105	40-140			
Chrysene (SIM)	50.4	5.0	µg/L	50.0		101	40-140			
Dibenz(a,h)anthracene (SIM)	52.5	5.0	µg/L	50.0		105	40-140			
Fluoranthene (SIM)	51.0	12	µg/L	50.0		102	40-140			
Fluorene (SIM)	50.0	25	µg/L	50.0		100	40-140			
Indeno(1,2,3-cd)pyrene (SIM)	51.9	5.0	µg/L	50.0		104	40-140			
2-Methylnaphthalene (SIM)	47.7	25	µg/L	50.0		95.4	40-140			
Naphthalene (SIM)	45.9	25	µg/L	50.0		91.8	40-140			
Phenanthrene (SIM)	50.4	1.2	µg/L	50.0		101	40-140			
Pyrene (SIM)	49.6	25	µg/L	50.0		99.1	40-140			
Surrogate: Nitrobenzene-d5	*100*		µg/L	100		100	30-130			
Surrogate: 2-Fluorobiphenyl	*106*		µg/L	100		106	30-130			
Surrogate: p-Terphenyl-d14	*84.5*		µg/L	100		84.5	30-130			

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B185447 - SW-846 3510C										
LCS Dup (B185447-BSD1)				Prepared: 09/02/17 Analyzed: 09/06/17						
Acenaphthene (SIM)	44.4	7.5	µg/L	50.0		88.8	40-140	9.60	20	
Acenaphthylene (SIM)	43.4	7.5	µg/L	50.0		86.8	40-140	9.34	20	
Anthracene (SIM)	46.4	5.0	µg/L	50.0		92.9	40-140	9.87	20	
Benzo(a)anthracene (SIM)	45.1	1.2	µg/L	50.0		90.2	40-140	10.4	20	
Benzo(a)pyrene (SIM)	47.8	2.5	µg/L	50.0		95.7	40-140	11.3	20	
Benzo(b)fluoranthene (SIM)	48.7	1.2	µg/L	50.0		97.4	40-140	9.86	20	
Benzo(g,h,i)perylene (SIM)	46.1	12	µg/L	50.0		92.2	40-140	11.4	20	
Benzo(k)fluoranthene (SIM)	47.4	5.0	µg/L	50.0		94.8	40-140	10.5	20	
Chrysene (SIM)	45.6	5.0	µg/L	50.0		91.2	40-140	9.99	20	
Dibenz(a,h)anthracene (SIM)	46.8	5.0	µg/L	50.0		93.6	40-140	11.4	20	
Fluoranthene (SIM)	44.9	12	µg/L	50.0		89.8	40-140	12.7	20	
Fluorene (SIM)	44.2	25	µg/L	50.0		88.5	40-140	12.3	20	
Indeno(1,2,3-cd)pyrene (SIM)	46.0	5.0	µg/L	50.0		92.1	40-140	12.0	20	‡
2-Methylnaphthalene (SIM)	43.1	25	µg/L	50.0		86.2	40-140	10.1	20	
Naphthalene (SIM)	41.9	25	µg/L	50.0		83.8	40-140	9.00	20	
Phenanthrene (SIM)	45.5	1.2	µg/L	50.0		91.0	40-140	10.1	20	
Pyrene (SIM)	45.8	25	µg/L	50.0		91.7	40-140	7.76	20	
Surrogate: Nitrobenzene-d5	*90.0*		µg/L	100		90.0	30-130			
Surrogate: 2-Fluorobiphenyl	*94.8*		µg/L	100		94.8	30-130			
Surrogate: p-Terphenyl-d14	*75.1*		µg/L	100		75.1	30-130			
Batch B185658 - SW-846 3546										
Blank (B185658-BLK1)				Prepared: 09/06/17 Analyzed: 09/07/17						
Acenaphthene	ND	0.17	mg/Kg wet							
Acenaphthylene	ND	0.17	mg/Kg wet							
Anthracene	ND	0.17	mg/Kg wet							
Benzo(a)anthracene	ND	0.17	mg/Kg wet							
Benzo(a)pyrene	ND	0.17	mg/Kg wet							
Benzo(b)fluoranthene	ND	0.17	mg/Kg wet							
Benzo(g,h,i)perylene	ND	0.17	mg/Kg wet							
Benzo(k)fluoranthene	ND	0.17	mg/Kg wet							
Chrysene	ND	0.17	mg/Kg wet							
Dibenz(a,h)anthracene	ND	0.17	mg/Kg wet							
Fluoranthene	ND	0.17	mg/Kg wet							
Fluorene	ND	0.17	mg/Kg wet							
Indeno(1,2,3-cd)pyrene	ND	0.17	mg/Kg wet							
2-Methylnaphthalene	ND	0.17	mg/Kg wet							
Naphthalene	ND	0.17	mg/Kg wet							
Phenanthrene	ND	0.17	mg/Kg wet							
Pyrene	ND	0.17	mg/Kg wet							
Surrogate: Nitrobenzene-d5	*2.27*		mg/Kg wet	3.33		68.1	30-130			
Surrogate: 2-Fluorobiphenyl	*2.41*		mg/Kg wet	3.33		72.4	30-130			
Surrogate: p-Terphenyl-d14	*3.28*		mg/Kg wet	3.33		98.5	30-130			

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B185658 - SW-846 3546										
LCS (B185658-BS1)				Prepared: 09/06/17 Analyzed: 09/07/17						
Acenaphthene	1.06	0.17	mg/Kg wet	1.67		63.6	40-140			
Acenaphthylene	1.05	0.17	mg/Kg wet	1.67		63.0	40-140			
Anthracene	1.13	0.17	mg/Kg wet	1.67		67.9	40-140			
Benzo(a)anthracene	1.20	0.17	mg/Kg wet	1.67		71.9	40-140			
Benzo(a)pyrene	1.18	0.17	mg/Kg wet	1.67		70.9	40-140			
Benzo(b)fluoranthene	1.15	0.17	mg/Kg wet	1.67		68.8	40-140			
Benzo(g,h,i)perylene	0.995	0.17	mg/Kg wet	1.67		59.7	40-140			
Benzo(k)fluoranthene	1.13	0.17	mg/Kg wet	1.67		68.0	40-140			
Chrysene	1.12	0.17	mg/Kg wet	1.67		67.4	40-140			
Dibenz(a,h)anthracene	1.01	0.17	mg/Kg wet	1.67		60.5	40-140			
Fluoranthene	1.13	0.17	mg/Kg wet	1.67		67.8	40-140			
Fluorene	1.13	0.17	mg/Kg wet	1.67		68.0	40-140			
Indeno(1,2,3-cd)pyrene	1.04	0.17	mg/Kg wet	1.67		62.3	40-140			
2-Methylnaphthalene	1.16	0.17	mg/Kg wet	1.67		69.3	40-140			
Naphthalene	1.06	0.17	mg/Kg wet	1.67		63.5	40-140			
Phenanthrene	1.16	0.17	mg/Kg wet	1.67		69.6	40-140			
Pyrene	1.18	0.17	mg/Kg wet	1.67		71.0	40-140			
Surrogate: Nitrobenzene-d5	*2.56*		mg/Kg wet	3.33		76.7	30-130			
Surrogate: 2-Fluorobiphenyl	*2.61*		mg/Kg wet	3.33		78.4	30-130			
Surrogate: p-Terphenyl-d14	*2.92*		mg/Kg wet	3.33		87.5	30-130			
LCS Dup (B185658-BSD1)				Prepared: 09/06/17 Analyzed: 09/07/17						
Acenaphthene	1.07	0.17	mg/Kg wet	1.67		64.4	40-140	1.16	30	
Acenaphthylene	1.05	0.17	mg/Kg wet	1.67		63.1	40-140	0.190	30	
Anthracene	1.09	0.17	mg/Kg wet	1.67		65.6	40-140	3.36	30	
Benzo(a)anthracene	1.17	0.17	mg/Kg wet	1.67		70.4	40-140	2.08	30	
Benzo(a)pyrene	1.16	0.17	mg/Kg wet	1.67		69.7	40-140	1.76	30	
Benzo(b)fluoranthene	1.14	0.17	mg/Kg wet	1.67		68.2	40-140	0.993	30	
Benzo(g,h,i)perylene	0.995	0.17	mg/Kg wet	1.67		59.7	40-140	0.0335	30	
Benzo(k)fluoranthene	1.14	0.17	mg/Kg wet	1.67		68.3	40-140	0.352	30	
Chrysene	1.11	0.17	mg/Kg wet	1.67		66.5	40-140	1.35	30	
Dibenz(a,h)anthracene	1.08	0.17	mg/Kg wet	1.67		65.1	40-140	7.36	30	
Fluoranthene	1.11	0.17	mg/Kg wet	1.67		66.7	40-140	1.64	30	
Fluorene	1.11	0.17	mg/Kg wet	1.67		66.5	40-140	2.29	30	
Indeno(1,2,3-cd)pyrene	1.04	0.17	mg/Kg wet	1.67		62.6	40-140	0.384	30	
2-Methylnaphthalene	1.18	0.17	mg/Kg wet	1.67		70.6	40-140	1.83	30	
Naphthalene	1.07	0.17	mg/Kg wet	1.67		64.3	40-140	1.35	30	
Phenanthrene	1.12	0.17	mg/Kg wet	1.67		67.0	40-140	3.81	30	
Pyrene	1.15	0.17	mg/Kg wet	1.67		69.1	40-140	2.66	30	
Surrogate: Nitrobenzene-d5	*2.67*		mg/Kg wet	3.33		80.1	30-130			
Surrogate: 2-Fluorobiphenyl	*2.67*		mg/Kg wet	3.33		80.0	30-130			
Surrogate: p-Terphenyl-d14	*2.90*		mg/Kg wet	3.33		87.1	30-130			

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QUALITY CONTROL

Polychlorinated Biphenyls By GC/ECD - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B185572 - SW-846 3510C										
Blank (B185572-BLK1)				Prepared: 09/06/17 Analyzed: 09/08/17						
Aroclor-1016	ND	0.10	µg/L							
Aroclor-1016 [2C]	ND	0.10	µg/L							
Aroclor-1221	ND	0.10	µg/L							
Aroclor-1221 [2C]	ND	0.10	µg/L							
Aroclor-1232	ND	0.10	µg/L							
Aroclor-1232 [2C]	ND	0.10	µg/L							
Aroclor-1242	ND	0.10	µg/L							
Aroclor-1242 [2C]	ND	0.10	µg/L							
Aroclor-1248	ND	0.10	µg/L							
Aroclor-1248 [2C]	ND	0.10	µg/L							
Aroclor-1254	ND	0.10	µg/L							
Aroclor-1254 [2C]	ND	0.10	µg/L							
Aroclor-1260	ND	0.10	µg/L							
Aroclor-1260 [2C]	ND	0.10	µg/L							
Aroclor-1262	ND	0.10	µg/L							
Aroclor-1262 [2C]	ND	0.10	µg/L							
Aroclor-1268	ND	0.10	µg/L							
Aroclor-1268 [2C]	ND	0.10	µg/L							
Surrogate: Decachlorobiphenyl	*2.15*		µg/L	2.00		107	30-150			
Surrogate: Decachlorobiphenyl [2C]	*2.27*		µg/L	2.00		114	30-150			
Surrogate: Tetrachloro-m-xylene	*2.11*		µg/L	2.00		105	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*2.01*		µg/L	2.00		100	30-150			
LCS (B185572-BS1)				Prepared: 09/06/17 Analyzed: 09/08/17						
Aroclor-1016	0.52	0.20	µg/L	0.500		104	40-140			
Aroclor-1016 [2C]	0.48	0.20	µg/L	0.500		96.7	40-140			
Aroclor-1260	0.50	0.20	µg/L	0.500		100	40-140			V-06
Aroclor-1260 [2C]	0.48	0.20	µg/L	0.500		96.2	40-140			V-06
Surrogate: Decachlorobiphenyl	*2.00*		µg/L	2.00		100	30-150			
Surrogate: Decachlorobiphenyl [2C]	*2.13*		µg/L	2.00		107	30-150			
Surrogate: Tetrachloro-m-xylene	*1.92*		µg/L	2.00		96.1	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.84*		µg/L	2.00		92.1	30-150			
LCS Dup (B185572-BSD1)				Prepared: 09/06/17 Analyzed: 09/08/17						
Aroclor-1016	0.51	0.20	µg/L	0.500		103	40-140	1.23	20	
Aroclor-1016 [2C]	0.49	0.20	µg/L	0.500		98.1	40-140	1.48	20	
Aroclor-1260	0.51	0.20	µg/L	0.500		102	40-140	1.23	20	V-06
Aroclor-1260 [2C]	0.49	0.20	µg/L	0.500		98.1	40-140	1.99	20	V-06
Surrogate: Decachlorobiphenyl	*1.97*		µg/L	2.00		98.3	30-150			
Surrogate: Decachlorobiphenyl [2C]	*2.12*		µg/L	2.00		106	30-150			
Surrogate: Tetrachloro-m-xylene	*1.86*		µg/L	2.00		93.1	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.78*		µg/L	2.00		89.2	30-150			

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QUALITY CONTROL

Polychlorinated Biphenyls By GC/ECD - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B185719 - SW-846 3580A										
Blank (B185719-BLK1)				Prepared: 09/07/17 Analyzed: 09/10/17						
Aroclor-1016	ND	0.97	mg/Kg							
Aroclor-1016 [2C]	ND	0.97	mg/Kg							
Aroclor-1221	ND	0.97	mg/Kg							
Aroclor-1221 [2C]	ND	0.97	mg/Kg							
Aroclor-1232	ND	0.97	mg/Kg							
Aroclor-1232 [2C]	ND	0.97	mg/Kg							
Aroclor-1242	ND	0.97	mg/Kg							
Aroclor-1242 [2C]	ND	0.97	mg/Kg							
Aroclor-1248	ND	0.97	mg/Kg							
Aroclor-1248 [2C]	ND	0.97	mg/Kg							
Aroclor-1254	ND	0.97	mg/Kg							
Aroclor-1254 [2C]	ND	0.97	mg/Kg							
Aroclor-1260	ND	0.97	mg/Kg							
Aroclor-1260 [2C]	ND	0.97	mg/Kg							
Aroclor-1262	ND	0.97	mg/Kg							
Aroclor-1262 [2C]	ND	0.97	mg/Kg							
Aroclor-1268	ND	0.97	mg/Kg							
Aroclor-1268 [2C]	ND	0.97	mg/Kg							
Surrogate: Decachlorobiphenyl	*8.26*		mg/Kg	9.72		85.0	30-150			
Surrogate: Decachlorobiphenyl [2C]	*7.76*		mg/Kg	9.72		79.8	30-150			
Surrogate: Tetrachloro-m-xylene	*8.12*		mg/Kg	9.72		83.6	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*8.59*		mg/Kg	9.72		88.4	30-150			
LCS (B185719-BS1)				Prepared: 09/07/17 Analyzed: 09/10/17						
Aroclor-1260	35	6.3	mg/Kg	33.8		104	85-115			
Aroclor-1260 [2C]	34	6.3	mg/Kg	33.8		101	85-115			
Surrogate: Decachlorobiphenyl	*62.1*		mg/Kg	62.9		98.8	30-150			
Surrogate: Decachlorobiphenyl [2C]	*59.4*		mg/Kg	62.9		94.4	30-150			
Surrogate: Tetrachloro-m-xylene	*58.8*		mg/Kg	62.9		93.4	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*60.4*		mg/Kg	62.9		96.0	30-150			
LCS Dup (B185719-BSD1)				Prepared: 09/07/17 Analyzed: 09/10/17						
Aroclor-1260	34	6.5	mg/Kg	33.8		101	85-115	3.14	30	
Aroclor-1260 [2C]	33	6.5	mg/Kg	33.8		98.3	85-115	2.75	30	
Surrogate: Decachlorobiphenyl	*62.4*		mg/Kg	64.7		96.5	30-150			
Surrogate: Decachlorobiphenyl [2C]	*59.8*		mg/Kg	64.7		92.3	30-150			
Surrogate: Tetrachloro-m-xylene	*58.4*		mg/Kg	64.7		90.3	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*60.4*		mg/Kg	64.7		93.3	30-150			

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QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B185576 - SW-846 3540C										
Blank (B185576-BLK1)				Prepared: 09/06/17 Analyzed: 09/09/17						
Aroclor-1016	ND	0.020	mg/Kg wet							
Aroclor-1016 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1221	ND	0.020	mg/Kg wet							
Aroclor-1221 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1232	ND	0.020	mg/Kg wet							
Aroclor-1232 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1242	ND	0.020	mg/Kg wet							
Aroclor-1242 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1248	ND	0.020	mg/Kg wet							
Aroclor-1248 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1254	ND	0.020	mg/Kg wet							
Aroclor-1254 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1260	ND	0.020	mg/Kg wet							
Aroclor-1260 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1262	ND	0.020	mg/Kg wet							
Aroclor-1262 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1268	ND	0.020	mg/Kg wet							
Aroclor-1268 [2C]	ND	0.020	mg/Kg wet							
Surrogate: Decachlorobiphenyl	*0.214*		mg/Kg wet	0.200		107	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.206*		mg/Kg wet	0.200		103	30-150			
Surrogate: Tetrachloro-m-xylene	*0.209*		mg/Kg wet	0.200		104	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.209*		mg/Kg wet	0.200		105	30-150			
LCS (B185576-BS1)				Prepared: 09/06/17 Analyzed: 09/09/17						
Aroclor-1016	0.20	0.020	mg/Kg wet	0.200		101	40-140			
Aroclor-1016 [2C]	0.19	0.020	mg/Kg wet	0.200		95.4	40-140			
Aroclor-1260	0.18	0.020	mg/Kg wet	0.200		88.1	40-140			
Aroclor-1260 [2C]	0.16	0.020	mg/Kg wet	0.200		81.3	40-140			
Surrogate: Decachlorobiphenyl	*0.209*		mg/Kg wet	0.200		105	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.204*		mg/Kg wet	0.200		102	30-150			
Surrogate: Tetrachloro-m-xylene	*0.206*		mg/Kg wet	0.200		103	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.206*		mg/Kg wet	0.200		103	30-150			
LCS Dup (B185576-BSD1)				Prepared: 09/06/17 Analyzed: 09/09/17						
Aroclor-1016	0.19	0.020	mg/Kg wet	0.200		95.0	40-140	6.46	30	
Aroclor-1016 [2C]	0.18	0.020	mg/Kg wet	0.200		90.1	40-140	5.67	30	
Aroclor-1260	0.16	0.020	mg/Kg wet	0.200		79.8	40-140	9.91	30	
Aroclor-1260 [2C]	0.15	0.020	mg/Kg wet	0.200		73.5	40-140	10.0	30	
Surrogate: Decachlorobiphenyl	*0.179*		mg/Kg wet	0.200		89.3	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.175*		mg/Kg wet	0.200		87.4	30-150			
Surrogate: Tetrachloro-m-xylene	*0.193*		mg/Kg wet	0.200		96.7	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.196*		mg/Kg wet	0.200		98.2	30-150			

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QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B185662 - SW-846 3540C										
Blank (B185662-BLK1)				Prepared: 09/06/17 Analyzed: 09/12/17						
Aroclor-1016	ND	0.10	mg/Kg							
Aroclor-1016 [2C]	ND	0.10	mg/Kg							
Aroclor-1221	ND	0.10	mg/Kg							
Aroclor-1221 [2C]	ND	0.10	mg/Kg							
Aroclor-1232	ND	0.10	mg/Kg							
Aroclor-1232 [2C]	ND	0.10	mg/Kg							
Aroclor-1242	ND	0.10	mg/Kg							
Aroclor-1242 [2C]	ND	0.10	mg/Kg							
Aroclor-1248	ND	0.10	mg/Kg							
Aroclor-1248 [2C]	ND	0.10	mg/Kg							
Aroclor-1254	ND	0.10	mg/Kg							
Aroclor-1254 [2C]	ND	0.10	mg/Kg							
Aroclor-1260	ND	0.10	mg/Kg							
Aroclor-1260 [2C]	ND	0.10	mg/Kg							
Aroclor-1262	ND	0.10	mg/Kg							
Aroclor-1262 [2C]	ND	0.10	mg/Kg							
Aroclor-1268	ND	0.10	mg/Kg							
Aroclor-1268 [2C]	ND	0.10	mg/Kg							
Surrogate: Decachlorobiphenyl	*1.03*		mg/Kg	1.00		103	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.964*		mg/Kg	1.00		96.4	30-150			
Surrogate: Tetrachloro-m-xylene	*0.922*		mg/Kg	1.00		92.2	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.925*		mg/Kg	1.00		92.5	30-150			
LCS (B185662-BS1)				Prepared: 09/06/17 Analyzed: 09/12/17						
Aroclor-1016	0.91	0.10	mg/Kg	1.00		91.1	40-140			
Aroclor-1016 [2C]	0.89	0.10	mg/Kg	1.00		88.7	40-140			
Aroclor-1260	0.83	0.10	mg/Kg	1.00		83.1	40-140			
Aroclor-1260 [2C]	0.78	0.10	mg/Kg	1.00		77.8	40-140			
Surrogate: Decachlorobiphenyl	*1.04*		mg/Kg	1.00		104	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.989*		mg/Kg	1.00		98.9	30-150			
Surrogate: Tetrachloro-m-xylene	*0.938*		mg/Kg	1.00		93.8	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.944*		mg/Kg	1.00		94.4	30-150			
LCS Dup (B185662-BSD1)				Prepared: 09/06/17 Analyzed: 09/12/17						
Aroclor-1016	0.92	0.10	mg/Kg	1.00		91.7	40-140	0.703	30	
Aroclor-1016 [2C]	0.91	0.10	mg/Kg	1.00		91.4	40-140	3.03	30	
Aroclor-1260	0.85	0.10	mg/Kg	1.00		85.2	40-140	2.47	30	
Aroclor-1260 [2C]	0.79	0.10	mg/Kg	1.00		79.2	40-140	1.75	30	
Surrogate: Decachlorobiphenyl	*1.02*		mg/Kg	1.00		102	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.980*		mg/Kg	1.00		98.0	30-150			
Surrogate: Tetrachloro-m-xylene	*0.956*		mg/Kg	1.00		95.6	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.960*		mg/Kg	1.00		96.0	30-150			

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QUALITY CONTROL

Petroleum Hydrocarbons Analyses - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B185603 - SW-846 3546										
Blank (B185603-BLK1)				Prepared: 09/06/17 Analyzed: 09/07/17						
CT ETPH	ND	10	mg/Kg wet							
Surrogate: o-Terphenyl	*3.25*		mg/Kg wet	3.33		97.5	50-150			
LCS (B185603-BS1)				Prepared: 09/06/17 Analyzed: 09/07/17						
CT ETPH	23.2	10	mg/Kg wet	33.3		69.5	60-120			
Surrogate: o-Terphenyl	*2.82*		mg/Kg wet	3.33		84.6	50-150			
LCS Dup (B185603-BSD1)				Prepared: 09/06/17 Analyzed: 09/07/17						
CT ETPH	25.8	10	mg/Kg wet	33.3		77.3	60-120	10.6	30	
Surrogate: o-Terphenyl	*3.33*		mg/Kg wet	3.33		99.8	50-150			
Batch B185641 - SW-846 3510C										
Blank (B185641-BLK1)				Prepared: 09/06/17 Analyzed: 09/08/17						
CT ETPH	ND	0.075	mg/L							
Surrogate: o-Terphenyl	*0.0982*		mg/L	0.100		98.2	50-150			
LCS (B185641-BS1)				Prepared: 09/06/17 Analyzed: 09/08/17						
CT ETPH	0.781	0.075	mg/L	1.00		78.1	60-120			
Surrogate: o-Terphenyl	*0.0952*		mg/L	0.100		95.2	50-150			
LCS Dup (B185641-BSD1)				Prepared: 09/06/17 Analyzed: 09/08/17						
CT ETPH	0.756	0.075	mg/L	1.00		75.6	60-120	3.30	30	
Surrogate: o-Terphenyl	*0.0925*		mg/L	0.100		92.5	50-150			

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC14-CO-43

Lab Sample ID: 17H1621-01 Date(s) Analyzed: 09/12/2017 09/12/2017

Instrument ID (1): ECD4 Instrument ID (2): ECD4

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1248	1	0.000	0.000	0.000	0.099	
	2	0.000	0.000	0.000	0.11	10.5
Aroclor-1254	1	0.000	0.000	0.000	0.14	
	2	0.000	0.000	0.000	0.14	0.0
Aroclor-1260	1	0.000	0.000	0.000	0.20	
	2	0.000	0.000	0.000	0.23	14.0

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC14-CO-44

Lab Sample ID: 17H1621-02 Date(s) Analyzed: 09/12/2017 09/12/2017

Instrument ID (1): ECD4 Instrument ID (2): ECD4

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1248	1	0.000	0.000	0.000	0.14	
	2	0.000	0.000	0.000	0.16	13.3
Aroclor-1254	1	0.000	0.000	0.000	0.16	
	2	0.000	0.000	0.000	0.18	11.8
Aroclor-1260	1	0.000	0.000	0.000	0.15	
	2	0.000	0.000	0.000	0.20	28.6

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC14-CO-45

Lab Sample ID: 17H1621-03 Date(s) Analyzed: 09/12/2017 09/12/2017

Instrument ID (1): ECD4 Instrument ID (2): ECD4

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1248	1	0.000	0.000	0.000	0.11	
	2	0.000	0.000	0.000	0.11	0.0
Aroclor-1254	1	0.000	0.000	0.000	0.12	
	2	0.000	0.000	0.000	0.12	0.0

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC14-CO-50

Lab Sample ID: 17H1621-08

Date(s) Analyzed: 09/12/2017 09/12/2017

Instrument ID (1): ECD4

Instrument ID (2): ECD4

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1248	1	0.000	0.000	0.000	0.096	
	2	0.000	0.000	0.000	0.10	4.1
Aroclor-1254	1	0.000	0.000	0.000	0.11	
	2	0.000	0.000	0.000	0.11	0.0

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC14-SE-51

Lab Sample ID: 17H1621-15 Date(s) Analyzed: 09/10/2017 09/10/2017

Instrument ID (1): ECD4 Instrument ID (2): ECD4

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1248	1	0.000	-0.030	0.030	0.59	
	2	0.000	-0.030	0.030	0.56	5.2
Aroclor-1254	1	0.000	-0.030	0.030	0.47	
	2	0.000	-0.030	0.030	0.53	12.0
Aroclor-1260	1	0.000	-0.030	0.030	0.19	
	2	0.000	-0.030	0.030	0.21	10.0

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC14-SE-52

Lab Sample ID: 17H1621-16

Date(s) Analyzed: 09/10/2017 09/10/2017

Instrument ID (1): ECD4

Instrument ID (2): ECD4

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1248	1	0.000	-0.030	0.030	0.30	
	2	0.000	-0.030	0.030	0.31	3.3
Aroclor-1254	1	0.000	-0.030	0.030	0.31	
	2	0.000	-0.030	0.030	0.34	9.2

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC14-SE-53

Lab Sample ID: 17H1621-17

Date(s) Analyzed: 09/10/2017 09/10/2017

Instrument ID (1): ECD4

Instrument ID (2): ECD4

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	0.097	
	2	0.000	-0.030	0.030	0.12	21.2

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC14-SE-54

Lab Sample ID: 17H1621-18

Date(s) Analyzed: 09/10/2017 09/10/2017

Instrument ID (1): ECD4

Instrument ID (2): ECD4

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1248	1	0.000	-0.030	0.030	0.21	
	2	0.000	-0.030	0.030	0.21	0.0
Aroclor-1254	1	0.000	-0.030	0.030	0.29	
	2	0.000	-0.030	0.030	0.35	18.8

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC14-SE-55

Lab Sample ID: 17H1621-19 Date(s) Analyzed: 09/10/2017 09/10/2017

Instrument ID (1): ECD4 Instrument ID (2): ECD4

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1248	1	0.000	-0.030	0.030	2.1	
	2	0.000	-0.030	0.030	1.9	10.0
Aroclor-1254	1	0.000	-0.030	0.030	1.6	
	2	0.000	-0.030	0.030	1.7	6.1
Aroclor-1260	1	0.000	-0.030	0.030	0.57	
	2	0.000	-0.030	0.030	0.64	11.6

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC14-SE-56

Lab Sample ID: 17H1621-20 Date(s) Analyzed: 09/10/2017 09/10/2017

Instrument ID (1): ECD4 Instrument ID (2): ECD4

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1248	1	0.000	-0.030	0.030	0.31	
	2	0.000	-0.030	0.030	0.33	6.3
Aroclor-1254	1	0.000	-0.030	0.030	0.47	
	2	0.000	-0.030	0.030	0.55	15.7
Aroclor-1260	1	0.000	-0.030	0.030	0.29	
	2	0.000	-0.030	0.030	0.30	3.4

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

EPA 600 4-81-045

WS-AOC9-OIL-91

Lab Sample ID: 17H1621-22

Date(s) Analyzed: 09/13/2017 09/13/2017

Instrument ID (1): ECD4

Instrument ID (2): ECD4

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	0.000	0.000	5.0	
	2	0.000	0.000	0.000	4.2	17.4

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS

Lab Sample ID: B185572-BS1

Date(s) Analyzed: 09/08/2017 09/08/2017

Instrument ID (1): ECD10

Instrument ID (2): ECD10

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	0.000	0.000	0.52	
	2	0.000	0.000	0.000	0.48	8.0
Aroclor-1260	1	0.000	0.000	0.000	0.50	
	2	0.000	0.000	0.000	0.48	4.1

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS Dup

Lab Sample ID: B185572-BSD1 Date(s) Analyzed: 09/08/2017 09/08/2017

Instrument ID (1): ECD10 Instrument ID (2): ECD10

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	0.000	0.000	0.51	
	2	0.000	0.000	0.000	0.49	4.0
Aroclor-1260	1	0.000	0.000	0.000	0.51	
	2	0.000	0.000	0.000	0.49	4.0

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS

Lab Sample ID: B185576-BS1

Date(s) Analyzed: 09/09/2017 09/09/2017

Instrument ID (1): ECD4

Instrument ID (2): ECD4

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.20	
	2	0.000	-0.030	0.030	0.19	5.1
Aroclor-1260	1	0.000	-0.030	0.030	0.18	
	2	0.000	-0.030	0.030	0.16	11.8

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS Dup

Lab Sample ID: B185576-BSD1 Date(s) Analyzed: 09/09/2017 09/09/2017

Instrument ID (1): ECD4 Instrument ID (2): ECD4

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.19	
	2	0.000	-0.030	0.030	0.18	5.4
Aroclor-1260	1	0.000	-0.030	0.030	0.16	
	2	0.000	-0.030	0.030	0.15	6.5

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS

Lab Sample ID: B185662-BS1

Date(s) Analyzed: 09/12/2017 09/12/2017

Instrument ID (1): ECD4

Instrument ID (2): ECD4

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	0.000	0.000	0.91	
	2	0.000	0.000	0.000	0.89	2.2
Aroclor-1260	1	0.000	0.000	0.000	0.83	
	2	0.000	0.000	0.000	0.78	6.2

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS Dup

Lab Sample ID: B185662-BSD1 Date(s) Analyzed: 09/12/2017 09/12/2017

Instrument ID (1): ECD4 Instrument ID (2): ECD4

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	0.000	0.000	0.92	
	2	0.000	0.000	0.000	0.91	1.1
Aroclor-1260	1	0.000	0.000	0.000	0.85	
	2	0.000	0.000	0.000	0.79	7.3

con-test® ANALYTICAL LABORATORY

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

EPA 600 4-81-045

LCS

Lab Sample ID: B185719-BS1

Date(s) Analyzed: 09/10/2017 09/10/2017

Instrument ID (1):

Instrument ID (2):

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	0.000	0.000	35	
	2	0.000	0.000	0.000	34	2.9

con-test® ANALYTICAL LABORATORY

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

EPA 600 4-81-045

LCS Dup

Lab Sample ID: B185719-BSD1

Date(s) Analyzed: 09/10/2017 09/10/2017

Instrument ID (1):

Instrument ID (2):

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	0.000	0.000	34	
	2	0.000	0.000	0.000	33	3.0

con-test® ANALYTICAL LABORATORY

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit
DL	Method Detection Limit
MCL	Maximum Contaminant Level

Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.

No results have been blank subtracted unless specified in the case narrative section.

DL-03	Elevated reporting limit due to matrix.
RL-12	Elevated reporting limit due to matrix interference.
S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences.
V-06	Continuing calibration did not meet method specifications and was biased on the high side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the high side.
V-20	Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
CTDEP ETPH in Soil	
CT ETPH	CT
CTDEP ETPH in Water	
CT ETPH	CT
EPA 600 4-81-045 in Oil	
Aroclor-1016	MA,NY,ME
Aroclor-1016 [2C]	MA,NY,ME
Aroclor-1221	MA,NY,ME
Aroclor-1221 [2C]	MA,NY,ME
Aroclor-1232	MA,NY,ME
Aroclor-1232 [2C]	MA,NY,ME
Aroclor-1242	MA,NY,ME
Aroclor-1242 [2C]	MA,NY,ME
Aroclor-1248	MA,NY,ME
Aroclor-1248 [2C]	MA,NY,ME
Aroclor-1254	MA,NY,ME
Aroclor-1254 [2C]	MA,NY,ME
Aroclor-1260	MA,NY,ME
Aroclor-1260 [2C]	MA,NY,ME
Aroclor-1262	MA,NY,ME
Aroclor-1262 [2C]	MA,NY,ME
Aroclor-1268	MA,NY,ME
Aroclor-1268 [2C]	MA,NY,ME
SW-846 8082A in Product/Solid	
Aroclor-1016	CT,NH,NY,ME,NC,VA
Aroclor-1016 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1221	CT,NH,NY,ME,NC,VA
Aroclor-1221 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1232	CT,NH,NY,ME,NC,VA
Aroclor-1232 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1242	CT,NH,NY,ME,NC,VA
Aroclor-1242 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1248	CT,NH,NY,ME,NC,VA
Aroclor-1248 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1254	CT,NH,NY,ME,NC,VA
Aroclor-1254 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1260	CT,NH,NY,ME,NC,VA
Aroclor-1260 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1262	NY,NC,VA
Aroclor-1262 [2C]	NY,NC,VA
Aroclor-1268	NY,NC,VA
Aroclor-1268 [2C]	NY,NC,VA
SW-846 8082A in Soil	
Aroclor-1016	CT,NH,NY,ME,NC,VA
Aroclor-1016 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1221	CT,NH,NY,ME,NC,VA

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8082A in Soil	
Aroclor-1221 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1232	CT,NH,NY,ME,NC,VA
Aroclor-1232 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1242	CT,NH,NY,ME,NC,VA
Aroclor-1242 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1248	CT,NH,NY,ME,NC,VA
Aroclor-1248 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1254	CT,NH,NY,ME,NC,VA
Aroclor-1254 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1260	CT,NH,NY,ME,NC,VA
Aroclor-1260 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1262	NY,NC,VA
Aroclor-1262 [2C]	NY,NC,VA
Aroclor-1268	NY,NC,VA
Aroclor-1268 [2C]	NY,NC,VA
SW-846 8082A in Water	
Aroclor-1016	CT,NH,NY,NC,ME,VA
Aroclor-1016 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1221	CT,NH,NY,NC,ME,VA
Aroclor-1221 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1232	CT,NH,NY,NC,ME,VA
Aroclor-1232 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1242	CT,NH,NY,NC,ME,VA
Aroclor-1242 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1248	CT,NH,NY,NC,ME,VA
Aroclor-1248 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1254	CT,NH,NY,NC,ME,VA
Aroclor-1254 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1260	CT,NH,NY,NC,ME,VA
Aroclor-1260 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1262	NH,NY,NC,ME,VA
Aroclor-1262 [2C]	NH,NY,NC,ME,VA
Aroclor-1268	NH,NY,NC,ME,VA
Aroclor-1268 [2C]	NH,NY,NC,ME,VA
SW-846 8270D in Soil	
Acenaphthene	CT,NY,NH,ME,NC,VA
Acenaphthylene	CT,NY,NH,ME,NC,VA
Anthracene	CT,NY,NH,ME,NC,VA
Benzo(a)anthracene	CT,NY,NH,ME,NC,VA
Benzo(a)pyrene	CT,NY,NH,ME,NC,VA
Benzo(b)fluoranthene	CT,NY,NH,ME,NC,VA
Benzo(g,h,i)perylene	CT,NY,NH,ME,NC,VA
Benzo(k)fluoranthene	CT,NY,NH,ME,NC,VA
Chrysene	CT,NY,NH,ME,NC,VA
Dibenz(a,h)anthracene	CT,NY,NH,ME,NC,VA
Fluoranthene	CT,NY,NH,ME,NC,VA

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8270D in Soil	
Fluorene	CT,NY,NH,ME,NC,VA
Indeno(1,2,3-cd)pyrene	CT,NY,NH,ME,NC,VA
2-Methylnaphthalene	CT,NY,NH,ME,NC,VA
Naphthalene	CT,NY,NH,ME,NC,VA
Phenanthrene	CT,NY,NH,ME,NC,VA
Pyrene	CT,NY,NH,ME,NC,VA
SW-846 8270D in Water	
Acenaphthene	CT,NY,NH,ME,NC,VA
Acenaphthylene	CT,NY,NH,ME,NC,VA
Anthracene	CT,NY,NH,ME,NC,VA
Benzo(a)anthracene	CT,NY,NH,ME,NC,VA
Benzo(a)pyrene	CT,NY,NH,ME,NC,VA
Benzo(b)fluoranthene	CT,NY,NH,ME,NC,VA
Benzo(g,h,i)perylene	CT,NY,NH,ME,NC,VA
Benzo(k)fluoranthene	CT,NY,NH,ME,NC,VA
Chrysene	CT,NY,NH,ME,NC,VA
Dibenz(a,h)anthracene	CT,NY,NH,ME,NC,VA
Fluoranthene	CT,NY,NH,ME,NC,VA
Fluorene	CT,NY,NH,ME,NC,VA
Indeno(1,2,3-cd)pyrene	CT,NY,NH,ME,NC,VA
2-Methylnaphthalene	CT,NY,NH,ME,NC,VA
Naphthalene	CT,NY,NH,ME,NC,VA
Phenanthrene	CT,NY,NH,ME,NC,VA
Pyrene	CT,NY,NH,ME,NC,VA

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2005	100033	02/1/2018
MA	Massachusetts DEP	M-MA100	06/30/2018
CT	Connecticut Department of Publilc Health	PH-0567	09/30/2017
NY	New York State Department of Health	10899 NELAP	04/1/2018
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2018
RI	Rhode Island Department of Health	LAO00112	12/30/2017
NC	North Carolina Div. of Water Quality	652	12/31/2017
NJ	New Jersey DEP	MA007 NELAP	06/30/2018
FL	Florida Department of Health	E871027 NELAP	06/30/2018
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2018
ME	State of Maine	2011028	06/9/2019
VA	Commonwealth of Virginia	460217	12/14/2017
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2017
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2018
NC-DW	North Carolina Department of Health	25703	07/31/2018

con-test ANALYTICAL LABORATORY
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17H1621

http://www.contestlabs.com

Doc # 381 Rev 0 5 8 2015

CHAIN OF CUSTODY RECORD

39 Spruce Street
East Longmeadow, MA 01028

Company Name:	Weston & Sampson Engineers
Address:	273 Dividend Rd Rocky Hill, CT
Phone:	860 513-1473
Project Name:	English Station
Project Location:	510 Grand Ave, New Haven, CT
Project Number:	2170495
Project Manager:	Malcolm Beeler
Con-Test Bid:	
Invoice Recipient:	Malcolm Beeler (Weston & Sampson)
Sampled By:	~~Chris Berthiaume~~/Will Sirotnak

Requested Turnaround Time
7-Day ☑ 10-Day ☐
Other: 5-day ☐

Rush-Approval Required
1-Day ☐ 3-Day ☐
2-Day ☐ 4-Day ☐

Data Delivery
Format: PDF ☑ EXCEL ☑
Other:
Enhanced Data Package Required: ☐
Email To: beelerm@wseinc.com
Fax To #:

ANALYSIS REQUESTED

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	[1]Matrix Code	Conc Code	PCBs Via Soxhlet										# of Containers
								I										[2] Preservation Code
								H										[3] Container Code
								A										
01	WS-AOC14-Co-43	8/30/17	900		X	O	U	X										
02	WS-AOC14-Co-44		910					X										
03	WS-AOC14-Co-45		920					X										
04	WS-AOC14-Co-46		930					X										
05	WS-AOC14-Co-47		940					X										
06	WS-AOC14-Co-48		950					X										
07	WS-AOC14-WO-49		1000					X										
08	WS-AOC14-Co-50		1010					X										
09	WS-AOC14-Co-51		1100					X										
10	WS-AOC14-Co-52		1110					X										

Dissolved Metals Samples
○ Field Filtered
○ Lab to Filter

Orthophosphate Samples
○ Field Filtered
○ Lab to Filter

[1] **Matrix Codes:**
GW = Ground Water
WW = Waste Water
DW = Drinking Water
A = Air
S = Soil/Solid
SL = Sludge
O = Other (please define) Porous media

[2] **Preservation Codes:**
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium Bisulfate
X = Sodium Hydroxide
T = Sodium Thiosulfate
O = Other (please define)

[3] **Container Codes:**
A = Amber Glass
G = Glass
P = Plastic
ST = Sterile
V = Vial
S = Summa Canister
T = Tedlar Bag
O = Other (please define)

Comments:

Please hold excess volumes for possible SPLP analyses.

Please use the following codes to indicate possible sample concentration within the Conc Code column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Relinquished by: (signature)	Date/Time:
8/30/17	
Received by: (signature)	Date/Time:
Tom Mace	8/30/17 1645
Relinquished by: (signature)	Date/Time:
Tom Mace	8/30/17 1830
Received by: (signature)	Date/Time:
Phil Tod	8/30/17 1830
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:

Detection Limit Requirements
MA
CT RES DEC
Other:

Program Information

○ MCP Analytical Certification Form Required
● RCP Analysis Certification Form Required
○ MA State DW Form Required
PWSID # _____

NELAC and AIHA-LAP, LLC Accredited

TURNAROUND TIME (BUSINESS DAYS) STARTS AT 9:00 AM THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON THIS CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR IS INCORRECT, TURNAROUND TIME CANNOT START UNTIL ALL QUESTIONS HAVE BEEN ANSWERED.

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Fax: 413-525-6405
Email: info@contestlabs.com

17H1162

http://www.contestlabs.com

Doc # 381 Rev 0 5 8 2015

CHAIN OF CUSTODY RECORD

39 Spruce Street
East Longmeadow, MA 01028

Company Name:	Weston & Sampson Engineers
Address:	273 Dividend Rd Rcoky Hill, CT
Phone:	860 513-1473
Project Name:	English Station
Project Location:	510 Grand Ave, New Haven, CT
Project Number:	2170495
Project Manager:	Malcolm Beeler
Con-Test Bid:	
Invoice Recipient:	Malcolm Beeler (Weston & Sampson)
Sampled By:	~~Chris Borthiaume~~/Will Sirotnak

Requested Turnaround Time
7-Day ☑ 10-Day ☐
Other: 5-day ☐

Rush Approval Required
1-Day ☐ 3-Day ☐
2-Day ☐ 4-Day ☐

Data Delivery
Format: PDF ☑ EXCEL ☑
Other:
Enhanced Data Package Required: ☐
Email To: beelerm@wseinc.com
Fax To #:

ANALYSIS REQUESTED

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	[1]Matrix Code	Conc Code	PCBs via Soxhlet	ETPH	PAHs	# of Containers	[2] Preservation Code	[3] Container Code
11	WS-AOC14-CO-53	8/30/17	1120		X	O	U	X			1	I	A
12	WS-AOC14-CO-54	8/30/17	1130					X					
13	WS-AOC14-CO-55		1140					X					
14	WS-AOC14-CO-56		1150					X					
15	WS-AOC14-SE-51		1105			S		X					
16	WS-AOC14-SE-52		1115					X					
17	WS-AOC14-SE-53		1125					X					
18	WS-AOC14-SE-54		1135					X	X	X			
19	WS-AOC14-SE-55		1145					X					
20	WS-AOC14-SE-56		1155					X					

Dissolved Metals Samples
○ Field Filtered
○ Lab to Filter

Orthophosphate Samples
○ Field Filtered
○ Lab to Filter

[1] **Matrix Codes:**
GW = Ground Water
WW = Waste Water
DW = Drinking Water
A = Air
S = Soil/Solid
SL = Sludge
O = Other (please define) Porous Media

[2] **Preservation Codes:**
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium Bisulfate
X = Sodium Hydroxide
T = Sodium Thiosulfate
O = Other (please define)

[3] **Container Codes:**
A = Amber Glass
G = Glass
P = Plastic
ST = Sterile
V = Vial
S = Summa Canister
T = Tedlar Bag
O = Other (please define)

Comments:

Please hold excess volumes for possible SPLP analyses.

Please use the following codes to indicate possible sample concentration within the **Conc Code** column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Relinquished by: (signature) 8/30/17	Date/Time:
Received by: (signature) Tom Mac	Date/Time: 8/30/17 1645
Relinquished by: (signature) Tom Mac	Date/Time: 8/30/17 1830
Received by: (signature) 2.4°C	Date/Time: 8/30/17 1830
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:

Detection Limit Requirements
MA
CT RES DEC
Other:

Program Information

○ MCP Analytical Certification Form Required
● RCP Analysis Certification Form Required
○ MA State DW Form Required
PWSID # _____

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http://www.contestlabs.com

Doc # 381 Rev 0 5 8 2015

CHAIN OF CUSTODY RECORD

39 Spruce Street
East Longmeadow, MA 01028

Company Name:	Weston & Sampson Engineers
Address:	273 Dividend Rd Rocky Hill, CT
Phone:	860 513-1473
Project Name:	English Station
Project Location:	510 Grand Ave, New Haven, CT
Project Number:	2170495
Project Manager:	Malcolm Beeler
Con-Test Bid:	
Invoice Recipient:	Malcolm Beeler (Weston & Sampson)
Sampled By:	~~Chris Berthiaume~~/Will Sirotnak

Requested Turnaround Time
7-Day ☑ 10-Day ☐
Other: 5-day ☐

Rush-Approval Required
1-Day ☐ 3-Day ☐
2-Day ☐ 4-Day ☐

Data Delivery
Format: PDF ☑ EXCEL ☑
Other:
Enhanced Data Package Required: ☐
Email To: beelerm@wseinc.com
Fax To #:

ANALYSIS REQUESTED

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	[1]Matrix Code	Conc Code	PCBs via Soxhlet	PCBs	ETPH	PAHs								# of Containers / [2] Preservation Code / [3] Container Code
								1											# of Containers
								H											[2] Preservation Code
								A											[3] Container Code
21	WS-AOC14-Co-Dup 19	8/30/17	—		X	O	U	X											
22	WS-AOC9-OIL-91	|	830		X	OIL	U		X										
23	Equipment Blank-56	|	800		X	W	U		X										
24	Equipment Blank-57	~	815		X	W	U		X	X	X								

Dissolved Metals Samples
○ Field Filtered
○ Lab to Filter

Orthophosphate Samples
○ Field Filtered
○ Lab to Filter

[1] **Matrix Codes:**
GW = Ground Water
WW = Waste Water
DW = Drinking Water
A = Air
S = Soil/Solid
SL = Sludge
O = Other (please define)
Porous Media

[2] **Preservation Codes:**
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium Bisulfate
X = Sodium Hydroxide
T = Sodium Thiosulfate
O = Other (please define)

[3] **Container Codes:**
A = Amber Glass
G = Glass
P = Plastic
ST = Sterile
V = Vial
S = Summa Canister
T = Tedlar Bag
O = Other (please define)

Comments:

Please hold excess volumes for possible SPLP analyses.

Please use the following codes to indicate possible sample concentration within the **Conc Code** column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Relinquished by: (signature)	Date/Time:
8/30/17	
Received by: (signature) Tom Marie 8/30/17	Date/Time: 1645
Relinquished by: (signature) Tom Marie 8/30/17	Date/Time: 1830
Received by: (signature) 8/30/17	Date/Time: 1830
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:

Detection Limit Requirements
MA
CT RES DEC
Other:

Program Information

○ MCP Analytical Certification Form Required
● RCP Analysis Certification Form Required
○ MA State DW Form Required
PWSID # _____

NELAC and AIHA-LAP, LLC Accredited

TURNAROUND TIME (BUSINESS DAYS) STARTS AT 9:00 AM THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON THIS CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR IS INCORRECT, TURNAROUND TIME CANNOT START UNTIL ALL QUESTIONS HAVE BEEN ANSWERED.

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F: 413-525-6405
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con-test® ANALYTICAL LABORATORY

Doc# 277 Rev 5 2017

Login Sample Receipt Checklist - (Rejection Criteria Listing - Using Acceptance Policy) Any False Statement will be brought to the attention of the Client - State True or False

Client Weston & Sampson

Received By RLF Date 8/30/17 Time 1830

How were the samples received? In Cooler T No Cooler ___ On Ice T No Ice ___
Direct from Sampling X RLF Ambient ___ Melted Ice ___

Were samples within Temperature? 2-6°C T By Gun # 1 Actual Temp - 2.4°C
By Blank # ___ Actual Temp -

Was Custody Seal Intact? NA Were Samples Tampered with? NA
Was COC Relinquished ? T Does Chain Agree With Samples? T
Are there broken/leaking/loose caps on any samples? F
Is COC in ink/ Legible? T Were samples received within holding time? T
Did COC include all pertinent Information? Client T Analysis ID's T Sampler Name T
Project T Collection Dates/Times T
Are Sample labels filled out and legible? T
Are there Lab to Filters? F Who was notified? ___
Are there Rushes? F Who was notified? ___
Are there Short Holds? F Who was notified? ___
Is there enough Volume? T
Is there Headspace where applicable? NA MS/MSD? NA
Proper Media/Containers Used? T Is splitting samples required? F
Were trip blanks received? F On COC? NA
Do all samples have the proper pH? Acid NA Base NA

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.	8	1 Liter Plastic		16 oz Amb.	
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear	6
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear	16
Bisulfate-		Col./Bacteria		Flashpoint		2oz Amb/Clear	
DI-		Other Plastic		Other Glass		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Unused Media

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.	
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear	
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear	
Bisulfate-		Col./Bacteria		Flashpoint		2oz Amb/Clear	
DI-		Other Plastic		Other Glass		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Comments:

D:\HPCHEM\1\DATA\A090717.SEC\A0907107.D

CT ETPH DISCRIMINATION CHECK

Date Acquired	9/8/17
Data File Name	A0907107.D
Sample Name	ETPH 1500
Instrument Name	5890DFID

Compound	Ret Time	Target Response	Average Response	*%D +/- 20
c - 9	1.28	633604	668690	-5
c - 10	1.63	642603	668690	-4
c - 12	2.35	661457	668690	-1
c - 14	3.01	675114	668690	1
c - 16	3.61	691044	668690	3
c - 18	4.23	682814	668690	2
o-Terphenyl	4.51	760564	668690	
c - 20	4.83	689419	668690	3
c - 22	5.34	698070	668690	4
c - 24	5.77	652285	668690	-2
c - 26	6.17	681611	668690	2
c - 28	6.52	673200	668690	1
c - 30	6.86	670545	668690	0
c - 32	7.16	656318	668690	-2
c - 34	7.46	660463	668690	-1
c - 36	7.77	661808	668690	-1

* One compound allowed %D </= 50%

Samples

17H1579-01RE1
17H1544-11
17H1621-18@20X

D:\HPCHEM\1\DATA\A091117\A0911006.D

CT ETPH DISCRIMINATION CHECK

Date Acquired	9/11/17
Data File Name	A0911006.D
Sample Name	ETPH 1500
Instrument Name	5890DFID

Compound	Ret Time	Target Response	Average Response	*%D +/- 20
c - 9	1.29	524328	554084	-5
c - 10	1.64	532804	554084	-4
c - 12	2.37	552317	554084	0
c - 14	3.04	566100	554084	2
c - 16	3.65	580624	554084	5
c - 18	4.29	575815	554084	4
o-Terphenyl	4.57	636260	554084	
c - 20	4.89	583143	554084	5
c - 22	5.39	592516	554084	7
c - 24	5.83	553643	554084	0
c - 26	6.23	583238	554084	5
c - 28	6.59	572763	554084	3
c - 30	6.92	554883	554084	0
c - 32	7.23	523847	554084	-5
c - 34	7.53	511661	554084	-8
c - 36	7.87	503585	554084	-9

* One compound allowed %D <= 50%

Samples

17I0043-04@10X

D:\HPCHEM\1\DATA\A090817\A0908022.D

CT ETPH DISCRIMINATION CHECK

Date Acquired	9/8/17
Data File Name	A0908022.D
Sample Name	ETPH 1500
Instrument Name	5890DFID

Compound	Ret Time	Target Response	Average Response	*%D +/- 20
c - 9	1.29	481727	522771	-8
c - 10	1.64	490421	522771	-6
c - 12	2.37	509864	522771	-2
c - 14	3.04	523547	522771	0
c - 16	3.65	537626	522771	3
c - 18	4.29	533903	522771	2
o-Terphenyl	4.57	592385	522771	
c - 20	4.89	542364	522771	4
c - 22	5.39	553081	522771	6
c - 24	5.83	517523	522771	-1
c - 26	6.23	545373	522771	4
c - 28	6.59	537619	522771	3
c - 30	6.92	530058	522771	1
c - 32	7.24	513896	522771	-2
c - 34	7.53	512488	522771	-2
c - 36	7.88	512079	522771	-2

* One compound allowed %D </= 50%

Samples

17I0043-01
17I0043-02
17I0043-03
17I0043-05

D:\HPCHEM\1\DATA\A090817.SEC\A0908023.D

CT ETPH DISCRIMINATION CHECK

Date Acquired	9/8/17
Data File Name	A0908023.D
Sample Name	ETPH 1500
Instrument Name	5890DFID

Compound	Ret Time	Target Response	Average Response	*%D +/- 20
c - 9	1.28	595189	627905	-5
c - 10	1.62	603227	627905	-4
c - 12	2.34	621946	627905	-1
c - 14	3.01	635030	627905	1
c - 16	3.61	650070	627905	4
c - 18	4.23	642037	627905	2
o-Terphenyl	4.51	713270	627905	
c - 20	4.83	648513	627905	3
c - 22	5.34	656041	627905	4
c - 24	5.77	610215	627905	-3
c - 26	6.16	640547	627905	2
c - 28	6.52	632830	627905	1
c - 30	6.85	628422	627905	0
c - 32	7.16	615507	627905	-2
c - 34	7.46	619124	627905	-1
c - 36	7.77	619880	627905	-1

* One compound allowed %D </= 50%

Samples

17H1621-24
17I0058-15
17I0065-01
17I0066-03
17H1066-03
17H1066-02
17H1066-03
17H1066-04
17H1066-05
17H1643-01
17H1643-01
117I0028-01

REASONABLE CONFIDENCE PROTOCOL
LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name: Con-Test Analytical Laboratory

Client: Weston & Sampson

Project Location: 510 Grand Ave., New Haven, CT

Project Number: 17H1621

Laboratory Sample ID(s):

17H1621-01 thru 17H1621-24

Sample Date(s):

08/30/2017

List RCP Methods Used:

CTDEP ETPH, EPA 600 4-81-045, SW-846 8082A, SW-846 8270D

1	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CTDEP method-specific Reasonable Confidence Protocol documents?	☑ Yes ☐ No
1A	Were the method specified preservation and holding time requirements met?	☑ Yes ☐ No
1B	VPH and EPH Methods only: Was the VPH and EPH method conducted without significant modifications (see Section 11.3 of respective RCP methods)?	☐ Yes ☐ No ☑ N/A
2	Were all samples received by the laboratory in a condition consistent with that described on the associated chain-of-custody document(s)?	☑ Yes ☐ No
3	Were samples received at an appropriate temperature (< 6 degrees C.)?	☑ Yes ☐ No ☐ N/A
4	Were all QA/QC performance criteria specified in the CTDEP Reasonable Confidence Protocol documents achieved?	☐ Yes ☑ No
5A	Were reporting limits specified or referenced on the chain-of-custody?	☑ Yes ☐ No
5B	Were these reporting limits met?	☑ Yes ☐ No
6	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	☐ Yes ☑ No
7	Are project-specific matrix spikes and laboratory duplicates included in this data set?	☐ Yes ☑ No

Notes: For all questions to which the response was "No" (with the exception of question #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A, or #1B is "No", the data package does not meet the requirements for "Reasonable Confidence."
This form may not be altered and all questions must be answered.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete.

Authorized Signature: Lisa Worthington **Position:** **Project Manager**

Printed Name: **Lisa A. Worthington** **Date:** **09/14/17**

Name of Laboratory: **Con-Test Analytical Laboratory**

This certification form is to be used for RCP methods only.

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

September 15, 2017

Malcolm Beeler
Weston & Sampson
273 Dividend Road
Rocky Hill, CT 06067

Project Location: 510 Grand Ave., New Haven, CT
Client Job Number:
Project Number: 2170495
Laboratory Work Order Number: 17I0058

Enclosed are results of analyses for samples received by the laboratory on September 1, 2017. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

James M. Georgantas
Project Manager

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con-test® ANALYTICAL LABORATORY

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Weston & Sampson
273 Dividend Road
Rocky Hill, CT 06067
ATTN: Malcolm Beeler

REPORT DATE: 9/15/2017

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 2170495

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 17I0058

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: 510 Grand Ave., New Haven, CT

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
WS-AOC14-SE-57	17I0058-01	Soil		SM 2540G	
				SW-846 8082A	
WS-AOC14-SE-58	17I0058-02	Soil		SM 2540G	
				SW-846 8082A	
WS-AOC14-SE-59	17I0058-03	Soil		SM 2540G	
				SW-846 8082A	
WS-AOC14-SE-60	17I0058-04	Soil		SM 2540G	
				SW-846 8082A	
WS-AOC14-SE-61	17I0058-05	Soil		SM 2540G	
				SW-846 8082A	
WS-AOC14-SE-62	17I0058-06	Soil		SM 2540G	
				SW-846 8082A	
WS-AOC14-SE-63	17I0058-07	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 8082A	
				SW-846 8270D	
WS-AOC14-CO-57	17I0058-08	Product/Solid		SW-846 8082A	
WS-AOC14-CO-58	17I0058-09	Product/Solid		SW-846 8082A	
WS-AOC14-CO-59	17I0058-10	Product/Solid		SW-846 8082A	
WS-AOC14-CO-60	17I0058-11	Product/Solid		SW-846 8082A	
WS-AOC14-CO-61	17I0058-12	Product/Solid		SW-846 8082A	
WS-AOC14-CO-62	17I0058-13	Product/Solid		SW-846 8082A	
WS-AOC14-CO-63	17I0058-14	Product/Solid		SW-846 8082A	
Equipment Blank-59	17I0058-15	Equipment Blank Water		CTDEP ETPH	
				SW-846 8082A	
				SW-846 8270D	
Equipment Blank-60	17I0058-16	Equipment Blank Water		SW-846 8082A	

con-test® ANALYTICAL LABORATORY

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CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

For method 8270, only PAHs were requested and reported.

SW-846 8082A

Qualifications:

DL-03

Elevated reporting limit due to matrix.

Analyte & Samples(s) Qualified:

17I0058-10[WS-AOC14-CO-59]

O-03

Sample contains two incompletely resolved aroclors. Aroclor with the closest matching pattern is reported.

Analyte & Samples(s) Qualified:

Aroclor-1254 [2C]
17I0058-02[WS-AOC14-SE-58]

V-06

Continuing calibration did not meet method specifications and was biased on the high side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the high side.

Analyte & Samples(s) Qualified:

Aroclor-1260 [2C]
B185791-BS1, B185791-BSD1

SW-846 8270D

Qualifications:

E

Reported result is estimated. Value reported over verified calibration range.

Analyte & Samples(s) Qualified:

Benzo(b)fluoranthene
17I0058-07[WS-AOC14-SE-63]

Fluoranthene
17I0058-07[WS-AOC14-SE-63]

Phenanthrene
17I0058-07[WS-AOC14-SE-63]

Pyrene
17I0058-07[WS-AOC14-SE-63]

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

Lisa A. Worthington
Project Manager

con-test® ANALYTICAL LABORATORY

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0058

Date Received: 9/1/2017

Field Sample #: WS-AOC14-SE-57 Sampled: 9/1/2017 08:30

Sample ID: 17I0058-01

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.12	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 22:38	KAL
Aroclor-1221 [1]	ND	0.12	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 22:38	KAL
Aroclor-1232 [1]	ND	0.12	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 22:38	KAL
Aroclor-1242 [1]	ND	0.12	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 22:38	KAL
Aroclor-1248 [1]	ND	0.12	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 22:38	KAL
Aroclor-1254 [1]	ND	0.12	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 22:38	KAL
Aroclor-1260 [1]	ND	0.12	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 22:38	KAL
Aroclor-1262 [1]	ND	0.12	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 22:38	KAL
Aroclor-1268 [1]	ND	0.12	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 22:38	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	35.0	30-150		9/13/17 22:38
Decachlorobiphenyl [2]	47.5	30-150		9/13/17 22:38
Tetrachloro-m-xylene [1]	37.2	30-150		9/13/17 22:38
Tetrachloro-m-xylene [2]	34.9	30-150		9/13/17 22:38

con-test® ANALYTICAL LABORATORY

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0058

Date Received: 9/1/2017

Field Sample #: WS-AOC14-SE-57 Sampled: 9/1/2017 08:30

Sample ID: 17I0058-01

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	68.0		% Wt	1		SM 2540G	9/6/17	9/7/17 7:42	MRL

con-test® ANALYTICAL LABORATORY

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0058

Date Received: 9/1/2017

Field Sample #: WS-AOC14-SE-58 Sampled: 9/1/2017 08:40

Sample ID: 17I0058-02

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 22:56	KAL
Aroclor-1221 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 22:56	KAL
Aroclor-1232 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 22:56	KAL
Aroclor-1242 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 22:56	KAL
Aroclor-1248 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 22:56	KAL
Aroclor-1254 [2]	0.13	0.086	mg/Kg dry	4	O-03	SW-846 8082A	9/8/17	9/13/17 22:56	KAL
Aroclor-1260 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 22:56	KAL
Aroclor-1262 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 22:56	KAL
Aroclor-1268 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 22:56	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	83.9	30-150		9/13/17 22:56
Decachlorobiphenyl [2]	102	30-150		9/13/17 22:56
Tetrachloro-m-xylene [1]	91.3	30-150		9/13/17 22:56
Tetrachloro-m-xylene [2]	87.4	30-150		9/13/17 22:56

con-test® ANALYTICAL LABORATORY

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0058

Date Received: 9/1/2017

Field Sample #: WS-AOC14-SE-58 Sampled: 9/1/2017 08:40

Sample ID: 17I0058-02

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	92.5		% Wt	1		SM 2540G	9/6/17	9/7/17 7:42	MRL

con-test® ANALYTICAL LABORATORY

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0058

Date Received: 9/1/2017

Field Sample #: WS-AOC14-SE-59 Sampled: 9/1/2017 08:50

Sample ID: 17I0058-03

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.14	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 23:13	KAL
Aroclor-1221 [1]	ND	0.14	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 23:13	KAL
Aroclor-1232 [1]	ND	0.14	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 23:13	KAL
Aroclor-1242 [1]	ND	0.14	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 23:13	KAL
Aroclor-1248 [1]	ND	0.14	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 23:13	KAL
Aroclor-1254 [2]	0.16	0.14	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 23:13	KAL
Aroclor-1260 [1]	ND	0.14	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 23:13	KAL
Aroclor-1262 [1]	ND	0.14	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 23:13	KAL
Aroclor-1268 [1]	ND	0.14	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 23:13	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	91.2	30-150		9/13/17 23:13
Decachlorobiphenyl [2]	119	30-150		9/13/17 23:13
Tetrachloro-m-xylene [1]	95.5	30-150		9/13/17 23:13
Tetrachloro-m-xylene [2]	90.3	30-150		9/13/17 23:13

con-test® ANALYTICAL LABORATORY

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0058

Date Received: 9/1/2017

Field Sample #: WS-AOC14-SE-59 Sampled: 9/1/2017 08:50

Sample ID: 17I0058-03

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	57.3		% Wt	1		SM 2540G	9/6/17	9/7/17 7:42	MRL

con-test® ANALYTICAL LABORATORY

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0058

Date Received: 9/1/2017

Field Sample #: WS-AOC14-SE-60 Sampled: 9/1/2017 09:00

Sample ID: 17I0058-04

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.14	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 23:30	KAL
Aroclor-1221 [1]	ND	0.14	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 23:30	KAL
Aroclor-1232 [1]	ND	0.14	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 23:30	KAL
Aroclor-1242 [1]	ND	0.14	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 23:30	KAL
Aroclor-1248 [1]	ND	0.14	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 23:30	KAL
Aroclor-1254 [2]	0.17	0.14	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 23:30	KAL
Aroclor-1260 [1]	ND	0.14	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 23:30	KAL
Aroclor-1262 [1]	ND	0.14	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 23:30	KAL
Aroclor-1268 [1]	ND	0.14	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 23:30	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	89.4	30-150		9/13/17 23:30
Decachlorobiphenyl [2]	115	30-150		9/13/17 23:30
Tetrachloro-m-xylene [1]	94.2	30-150		9/13/17 23:30
Tetrachloro-m-xylene [2]	91.1	30-150		9/13/17 23:30

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0058

Date Received: 9/1/2017

Field Sample #: WS-AOC14-SE-60 Sampled: 9/1/2017 09:00

Sample ID: 17I0058-04

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	56.1		% Wt	1		SM 2540G	9/6/17	9/7/17 7:42	MRL

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0058

Date Received: 9/1/2017

Field Sample #: WS-AOC14-SE-61 Sampled: 9/1/2017 09:10

Sample ID: 17I0058-05

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 23:48	KAL
Aroclor-1221 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 23:48	KAL
Aroclor-1232 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 23:48	KAL
Aroclor-1242 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 23:48	KAL
Aroclor-1248 [2]	0.12	0.088	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 23:48	KAL
Aroclor-1254 [2]	0.15	0.088	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 23:48	KAL
Aroclor-1260 [2]	0.14	0.088	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 23:48	KAL
Aroclor-1262 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 23:48	KAL
Aroclor-1268 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 23:48	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	84.8	30-150		9/13/17 23:48
Decachlorobiphenyl [2]	126	30-150		9/13/17 23:48
Tetrachloro-m-xylene [1]	87.4	30-150		9/13/17 23:48
Tetrachloro-m-xylene [2]	82.6	30-150		9/13/17 23:48

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0058

Date Received: 9/1/2017

Field Sample #: WS-AOC14-SE-61 Sampled: 9/1/2017 09:10

Sample ID: 17I0058-05

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	90.8		% Wt	1		SM 2540G	9/6/17	9/7/17 7:42	MRL

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0058

Date Received: 9/1/2017

Field Sample #: WS-AOC14-SE-62 Sampled: 9/1/2017 09:20

Sample ID: 17I0058-06

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	9/8/17	9/14/17 0:05	KAL
Aroclor-1221 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	9/8/17	9/14/17 0:05	KAL
Aroclor-1232 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	9/8/17	9/14/17 0:05	KAL
Aroclor-1242 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	9/8/17	9/14/17 0:05	KAL
Aroclor-1248 [2]	0.20	0.084	mg/Kg dry	4		SW-846 8082A	9/8/17	9/14/17 0:05	KAL
Aroclor-1254 [2]	0.27	0.084	mg/Kg dry	4		SW-846 8082A	9/8/17	9/14/17 0:05	KAL
Aroclor-1260 [2]	0.27	0.084	mg/Kg dry	4		SW-846 8082A	9/8/17	9/14/17 0:05	KAL
Aroclor-1262 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	9/8/17	9/14/17 0:05	KAL
Aroclor-1268 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	9/8/17	9/14/17 0:05	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	82.5	30-150		9/14/17 0:05
Decachlorobiphenyl [2]	146	30-150		9/14/17 0:05
Tetrachloro-m-xylene [1]	85.4	30-150		9/14/17 0:05
Tetrachloro-m-xylene [2]	80.8	30-150		9/14/17 0:05

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0058

Date Received: 9/1/2017

Field Sample #: WS-AOC14-SE-62 Sampled: 9/1/2017 09:20

Sample ID: 17I0058-06

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	95.8		% Wt	1		SM 2540G	9/6/17	9/7/17 7:42	MRL

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0058

Date Received: 9/1/2017

Field Sample #: WS-AOC14-SE-63 Sampled: 9/1/2017 09:30

Sample ID: 17I0058-07

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	0.42	0.27	mg/Kg dry	1		SW-846 8270D	9/8/17	9/11/17 18:31	BGL
Acenaphthene	ND	1.4	mg/Kg dry	5		SW-846 8270D	9/8/17	9/12/17 15:56	BGL
Acenaphthylene	0.29	0.27	mg/Kg dry	1		SW-846 8270D	9/8/17	9/11/17 18:31	BGL
Acenaphthylene	ND	1.4	mg/Kg dry	5		SW-846 8270D	9/8/17	9/12/17 15:56	BGL
Anthracene	1.8	0.27	mg/Kg dry	1		SW-846 8270D	9/8/17	9/11/17 18:31	BGL
Anthracene	1.9	1.4	mg/Kg dry	5		SW-846 8270D	9/8/17	9/12/17 15:56	BGL
Benzo(a)anthracene	5.1	0.27	mg/Kg dry	1		SW-846 8270D	9/8/17	9/11/17 18:31	BGL
Benzo(a)anthracene	5.3	1.4	mg/Kg dry	5		SW-846 8270D	9/8/17	9/12/17 15:56	BGL
Benzo(a)pyrene	4.6	0.27	mg/Kg dry	1		SW-846 8270D	9/8/17	9/11/17 18:31	BGL
Benzo(a)pyrene	4.7	1.4	mg/Kg dry	5		SW-846 8270D	9/8/17	9/12/17 15:56	BGL
Benzo(b)fluoranthene	6.6	0.27	mg/Kg dry	1	E	SW-846 8270D	9/8/17	9/11/17 18:31	BGL
Benzo(b)fluoranthene	6.7	1.4	mg/Kg dry	5		SW-846 8270D	9/8/17	9/12/17 15:56	BGL
Benzo(g,h,i)perylene	3.2	0.27	mg/Kg dry	1		SW-846 8270D	9/8/17	9/11/17 18:31	BGL
Benzo(g,h,i)perylene	2.6	1.4	mg/Kg dry	5		SW-846 8270D	9/8/17	9/12/17 15:56	BGL
Benzo(k)fluoranthene	2.3	0.27	mg/Kg dry	1		SW-846 8270D	9/8/17	9/11/17 18:31	BGL
Benzo(k)fluoranthene	2.4	1.4	mg/Kg dry	5		SW-846 8270D	9/8/17	9/12/17 15:56	BGL
Chrysene	5.6	0.27	mg/Kg dry	1		SW-846 8270D	9/8/17	9/11/17 18:31	BGL
Chrysene	5.7	1.4	mg/Kg dry	5		SW-846 8270D	9/8/17	9/12/17 15:56	BGL
Dibenz(a,h)anthracene	0.86	0.27	mg/Kg dry	1		SW-846 8270D	9/8/17	9/11/17 18:31	BGL
Dibenz(a,h)anthracene	ND	1.4	mg/Kg dry	5		SW-846 8270D	9/8/17	9/12/17 15:56	BGL
Fluoranthene	16	0.27	mg/Kg dry	1	E	SW-846 8270D	9/8/17	9/11/17 18:31	BGL
Fluoranthene	14	1.4	mg/Kg dry	5		SW-846 8270D	9/8/17	9/12/17 15:56	BGL
Fluorene	0.80	0.27	mg/Kg dry	1		SW-846 8270D	9/8/17	9/11/17 18:31	BGL
Fluorene	ND	1.4	mg/Kg dry	5		SW-846 8270D	9/8/17	9/12/17 15:56	BGL
Indeno(1,2,3-cd)pyrene	3.5	0.27	mg/Kg dry	1		SW-846 8270D	9/8/17	9/11/17 18:31	BGL
Indeno(1,2,3-cd)pyrene	2.8	1.4	mg/Kg dry	5		SW-846 8270D	9/8/17	9/12/17 15:56	BGL
2-Methylnaphthalene	1.0	0.27	mg/Kg dry	1		SW-846 8270D	9/8/17	9/11/17 18:31	BGL
2-Methylnaphthalene	ND	1.4	mg/Kg dry	5		SW-846 8270D	9/8/17	9/12/17 15:56	BGL
Naphthalene	1.8	0.27	mg/Kg dry	1		SW-846 8270D	9/8/17	9/11/17 18:31	BGL
Naphthalene	1.9	1.4	mg/Kg dry	5		SW-846 8270D	9/8/17	9/12/17 15:56	BGL
Phenanthrene	8.8	0.27	mg/Kg dry	1	E	SW-846 8270D	9/8/17	9/11/17 18:31	BGL
Phenanthrene	8.0	1.4	mg/Kg dry	5		SW-846 8270D	9/8/17	9/12/17 15:56	BGL
Pyrene	15	0.27	mg/Kg dry	1	E	SW-846 8270D	9/8/17	9/11/17 18:31	BGL
Pyrene	12	1.4	mg/Kg dry	5		SW-846 8270D	9/8/17	9/12/17 15:56	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Nitrobenzene-d5	44.5	30-130		9/11/17 18:31
Nitrobenzene-d5	45.7	30-130		9/12/17 15:56
2-Fluorobiphenyl	44.6	30-130		9/11/17 18:31
2-Fluorobiphenyl	46.8	30-130		9/12/17 15:56
p-Terphenyl-d14	54.0	30-130		9/11/17 18:31
p-Terphenyl-d14	50.4	30-130		9/12/17 15:56

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0058

Date Received: 9/1/2017

Field Sample #: WS-AOC14-SE-63 Sampled: 9/1/2017 09:30

Sample ID: 17I0058-07

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.13	mg/Kg dry	4		SW-846 8082A	9/8/17	9/14/17 0:23	KAL
Aroclor-1221 [1]	ND	0.13	mg/Kg dry	4		SW-846 8082A	9/8/17	9/14/17 0:23	KAL
Aroclor-1232 [1]	ND	0.13	mg/Kg dry	4		SW-846 8082A	9/8/17	9/14/17 0:23	KAL
Aroclor-1242 [1]	ND	0.13	mg/Kg dry	4		SW-846 8082A	9/8/17	9/14/17 0:23	KAL
Aroclor-1248 [2]	0.23	0.13	mg/Kg dry	4		SW-846 8082A	9/8/17	9/14/17 0:23	KAL
Aroclor-1254 [2]	0.28	0.13	mg/Kg dry	4		SW-846 8082A	9/8/17	9/14/17 0:23	KAL
Aroclor-1260 [2]	0.21	0.13	mg/Kg dry	4		SW-846 8082A	9/8/17	9/14/17 0:23	KAL
Aroclor-1262 [1]	ND	0.13	mg/Kg dry	4		SW-846 8082A	9/8/17	9/14/17 0:23	KAL
Aroclor-1268 [1]	ND	0.13	mg/Kg dry	4		SW-846 8082A	9/8/17	9/14/17 0:23	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	82.0	30-150		9/14/17 0:23
Decachlorobiphenyl [2]	121	30-150		9/14/17 0:23
Tetrachloro-m-xylene [1]	87.3	30-150		9/14/17 0:23
Tetrachloro-m-xylene [2]	82.1	30-150		9/14/17 0:23

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0058

Date Received: 9/1/2017

Field Sample #: WS-AOC14-SE-63 Sampled: 9/1/2017 09:30

Sample ID: 17I0058-07

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	1300	160	mg/Kg dry	10		CTDEP ETPH	9/8/17	9/12/17 0:11	SCS

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
o-Terphenyl	81.8	50-150		9/12/17 0:11

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0058

Date Received: 9/1/2017

Field Sample #: WS-AOC14-SE-63 Sampled: 9/1/2017 09:30

Sample ID: 17I0058-07

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	62.9		% Wt	1		SM 2540G	9/6/17	9/7/17 7:42	MRL

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0058

Date Received: 9/1/2017

Field Sample #: WS-AOC14-CO-57 Sampled: 9/1/2017 08:35

Sample ID: 17I0058-08

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.079	mg/Kg	1		SW-846 8082A	9/8/17	9/14/17 15:03	TG
Aroclor-1221 [1]	ND	0.079	mg/Kg	1		SW-846 8082A	9/8/17	9/14/17 15:03	TG
Aroclor-1232 [1]	ND	0.079	mg/Kg	1		SW-846 8082A	9/8/17	9/14/17 15:03	TG
Aroclor-1242 [1]	ND	0.079	mg/Kg	1		SW-846 8082A	9/8/17	9/14/17 15:03	TG
Aroclor-1248 [1]	ND	0.079	mg/Kg	1		SW-846 8082A	9/8/17	9/14/17 15:03	TG
Aroclor-1254 [1]	ND	0.079	mg/Kg	1		SW-846 8082A	9/8/17	9/14/17 15:03	TG
Aroclor-1260 [1]	ND	0.079	mg/Kg	1		SW-846 8082A	9/8/17	9/14/17 15:03	TG
Aroclor-1262 [1]	ND	0.079	mg/Kg	1		SW-846 8082A	9/8/17	9/14/17 15:03	TG
Aroclor-1268 [1]	ND	0.079	mg/Kg	1		SW-846 8082A	9/8/17	9/14/17 15:03	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	68.5	30-150		9/14/17 15:03
Decachlorobiphenyl [2]	67.4	30-150		9/14/17 15:03
Tetrachloro-m-xylene [1]	82.7	30-150		9/14/17 15:03
Tetrachloro-m-xylene [2]	86.0	30-150		9/14/17 15:03

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0058

Date Received: 9/1/2017

Field Sample #: WS-AOC14-CO-58 Sampled: 9/1/2017 08:45

Sample ID: 17I0058-09

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	9/8/17	9/14/17 15:16	TG
Aroclor-1221 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	9/8/17	9/14/17 15:16	TG
Aroclor-1232 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	9/8/17	9/14/17 15:16	TG
Aroclor-1242 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	9/8/17	9/14/17 15:16	TG
Aroclor-1248 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	9/8/17	9/14/17 15:16	TG
Aroclor-1254 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	9/8/17	9/14/17 15:16	TG
Aroclor-1260 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	9/8/17	9/14/17 15:16	TG
Aroclor-1262 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	9/8/17	9/14/17 15:16	TG
Aroclor-1268 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	9/8/17	9/14/17 15:16	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	81.8	30-150		9/14/17 15:16
Decachlorobiphenyl [2]	80.5	30-150		9/14/17 15:16
Tetrachloro-m-xylene [1]	88.3	30-150		9/14/17 15:16
Tetrachloro-m-xylene [2]	89.4	30-150		9/14/17 15:16

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0058

Date Received: 9/1/2017

Field Sample #: WS-AOC14-CO-59 Sampled: 9/1/2017 08:55

Sample ID: 17I0058-10

Sample Matrix: Product/Solid

Sample Flags: DL-03

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	9/8/17	9/14/17 15:28	TG
Aroclor-1221 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	9/8/17	9/14/17 15:28	TG
Aroclor-1232 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	9/8/17	9/14/17 15:28	TG
Aroclor-1242 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	9/8/17	9/14/17 15:28	TG
Aroclor-1248 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	9/8/17	9/14/17 15:28	TG
Aroclor-1254 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	9/8/17	9/14/17 15:28	TG
Aroclor-1260 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	9/8/17	9/14/17 15:28	TG
Aroclor-1262 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	9/8/17	9/14/17 15:28	TG
Aroclor-1268 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	9/8/17	9/14/17 15:28	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	80.0	30-150		9/14/17 15:28
Decachlorobiphenyl [2]	94.1	30-150		9/14/17 15:28
Tetrachloro-m-xylene [1]	86.4	30-150		9/14/17 15:28
Tetrachloro-m-xylene [2]	90.6	30-150		9/14/17 15:28

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0058

Date Received: 9/1/2017

Field Sample #: WS-AOC14-CO-60 Sampled: 9/1/2017 09:05

Sample ID: 17I0058-11

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	9/8/17	9/14/17 15:41	TG
Aroclor-1221 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	9/8/17	9/14/17 15:41	TG
Aroclor-1232 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	9/8/17	9/14/17 15:41	TG
Aroclor-1242 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	9/8/17	9/14/17 15:41	TG
Aroclor-1248 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	9/8/17	9/14/17 15:41	TG
Aroclor-1254 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	9/8/17	9/14/17 15:41	TG
Aroclor-1260 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	9/8/17	9/14/17 15:41	TG
Aroclor-1262 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	9/8/17	9/14/17 15:41	TG
Aroclor-1268 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	9/8/17	9/14/17 15:41	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	73.0	30-150		9/14/17 15:41
Decachlorobiphenyl [2]	75.4	30-150		9/14/17 15:41
Tetrachloro-m-xylene [1]	82.8	30-150		9/14/17 15:41
Tetrachloro-m-xylene [2]	83.1	30-150		9/14/17 15:41

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0058

Date Received: 9/1/2017

Field Sample #: WS-AOC14-CO-61 Sampled: 9/1/2017 09:15

Sample ID: 17I0058-12

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	9/8/17	9/14/17 15:54	TG
Aroclor-1221 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	9/8/17	9/14/17 15:54	TG
Aroclor-1232 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	9/8/17	9/14/17 15:54	TG
Aroclor-1242 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	9/8/17	9/14/17 15:54	TG
Aroclor-1248 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	9/8/17	9/14/17 15:54	TG
Aroclor-1254 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	9/8/17	9/14/17 15:54	TG
Aroclor-1260 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	9/8/17	9/14/17 15:54	TG
Aroclor-1262 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	9/8/17	9/14/17 15:54	TG
Aroclor-1268 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	9/8/17	9/14/17 15:54	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	54.8	30-150		9/14/17 15:54
Decachlorobiphenyl [2]	55.2	30-150		9/14/17 15:54
Tetrachloro-m-xylene [1]	66.8	30-150		9/14/17 15:54
Tetrachloro-m-xylene [2]	69.5	30-150		9/14/17 15:54

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0058

Date Received: 9/1/2017

Field Sample #: WS-AOC14-CO-62 Sampled: 9/1/2017 09:25

Sample ID: 17I0058-13

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	9/8/17	9/14/17 16:06	TG
Aroclor-1221 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	9/8/17	9/14/17 16:06	TG
Aroclor-1232 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	9/8/17	9/14/17 16:06	TG
Aroclor-1242 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	9/8/17	9/14/17 16:06	TG
Aroclor-1248 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	9/8/17	9/14/17 16:06	TG
Aroclor-1254 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	9/8/17	9/14/17 16:06	TG
Aroclor-1260 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	9/8/17	9/14/17 16:06	TG
Aroclor-1262 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	9/8/17	9/14/17 16:06	TG
Aroclor-1268 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	9/8/17	9/14/17 16:06	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	65.6	30-150		9/14/17 16:06
Decachlorobiphenyl [2]	65.4	30-150		9/14/17 16:06
Tetrachloro-m-xylene [1]	73.9	30-150		9/14/17 16:06
Tetrachloro-m-xylene [2]	75.2	30-150		9/14/17 16:06

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0058

Date Received: 9/1/2017

Field Sample #: WS-AOC14-CO-63 Sampled: 9/1/2017 09:35

Sample ID: 17I0058-14

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	9/8/17	9/14/17 16:19	TG
Aroclor-1221 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	9/8/17	9/14/17 16:19	TG
Aroclor-1232 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	9/8/17	9/14/17 16:19	TG
Aroclor-1242 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	9/8/17	9/14/17 16:19	TG
Aroclor-1248 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	9/8/17	9/14/17 16:19	TG
Aroclor-1254 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	9/8/17	9/14/17 16:19	TG
Aroclor-1260 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	9/8/17	9/14/17 16:19	TG
Aroclor-1262 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	9/8/17	9/14/17 16:19	TG
Aroclor-1268 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	9/8/17	9/14/17 16:19	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	84.9	30-150		9/14/17 16:19
Decachlorobiphenyl [2]	82.4	30-150		9/14/17 16:19
Tetrachloro-m-xylene [1]	85.2	30-150		9/14/17 16:19
Tetrachloro-m-xylene [2]	85.7	30-150		9/14/17 16:19

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0058

Date Received: 9/1/2017

Field Sample #: Equipment Blank-59 Sampled: 9/1/2017 08:00

Sample ID: 17I0058-15

Sample Matrix: Equipment Blank Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene (SIM)	ND	0.30	µg/L	1		SW-846 8270D	9/8/17	9/11/17 15:30	CJM
Acenaphthylene (SIM)	ND	0.30	µg/L	1		SW-846 8270D	9/8/17	9/11/17 15:30	CJM
Anthracene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	9/8/17	9/11/17 15:30	CJM
Benzo(a)anthracene (SIM)	ND	0.050	µg/L	1		SW-846 8270D	9/8/17	9/11/17 15:30	CJM
Benzo(a)pyrene (SIM)	ND	0.10	µg/L	1		SW-846 8270D	9/8/17	9/11/17 15:30	CJM
Benzo(b)fluoranthene (SIM)	ND	0.050	µg/L	1		SW-846 8270D	9/8/17	9/11/17 15:30	CJM
Benzo(g,h,i)perylene (SIM)	ND	0.50	µg/L	1		SW-846 8270D	9/8/17	9/11/17 15:30	CJM
Benzo(k)fluoranthene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	9/8/17	9/11/17 15:30	CJM
Chrysene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	9/8/17	9/11/17 15:30	CJM
Dibenz(a,h)anthracene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	9/8/17	9/11/17 15:30	CJM
Fluoranthene (SIM)	ND	0.50	µg/L	1		SW-846 8270D	9/8/17	9/11/17 15:30	CJM
Fluorene (SIM)	ND	1.0	µg/L	1		SW-846 8270D	9/8/17	9/11/17 15:30	CJM
Indeno(1,2,3-cd)pyrene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	9/8/17	9/11/17 15:30	CJM
2-Methylnaphthalene (SIM)	ND	1.0	µg/L	1		SW-846 8270D	9/8/17	9/11/17 15:30	CJM
Naphthalene (SIM)	ND	1.0	µg/L	1		SW-846 8270D	9/8/17	9/11/17 15:30	CJM
Phenanthrene (SIM)	ND	0.050	µg/L	1		SW-846 8270D	9/8/17	9/11/17 15:30	CJM
Pyrene (SIM)	ND	1.0	µg/L	1		SW-846 8270D	9/8/17	9/11/17 15:30	CJM

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Nitrobenzene-d5	64.8	30-130		9/11/17 15:30
2-Fluorobiphenyl	63.9	30-130		9/11/17 15:30
p-Terphenyl-d14	52.4	30-130		9/11/17 15:30

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0058

Date Received: 9/1/2017

Field Sample #: Equipment Blank-59 Sampled: 9/1/2017 08:00

Sample ID: 17I0058-15

Sample Matrix: Equipment Blank Water

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/8/17	9/13/17 1:40	JMB
Aroclor-1221 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/8/17	9/13/17 1:40	JMB
Aroclor-1232 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/8/17	9/13/17 1:40	JMB
Aroclor-1242 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/8/17	9/13/17 1:40	JMB
Aroclor-1248 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/8/17	9/13/17 1:40	JMB
Aroclor-1254 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/8/17	9/13/17 1:40	JMB
Aroclor-1260 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/8/17	9/13/17 1:40	JMB
Aroclor-1262 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/8/17	9/13/17 1:40	JMB
Aroclor-1268 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/8/17	9/13/17 1:40	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	67.8	30-150		9/13/17 1:40
Decachlorobiphenyl [2]	72.7	30-150		9/13/17 1:40
Tetrachloro-m-xylene [1]	67.1	30-150		9/13/17 1:40
Tetrachloro-m-xylene [2]	68.5	30-150		9/13/17 1:40

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0058

Date Received: 9/1/2017

Field Sample #: Equipment Blank-59 Sampled: 9/1/2017 08:00

Sample ID: 17I0058-15

Sample Matrix: Equipment Blank Water

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	ND	0.075	mg/L	1		CTDEP ETPH	9/7/17	9/8/17 21:02	SCS

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
o-Terphenyl	95.8	50-150		9/8/17 21:02

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0058

Date Received: 9/1/2017

Field Sample #: Equipment Blank-60 Sampled: 9/1/2017 08:15

Sample ID: 17I0058-16

Sample Matrix: Equipment Blank Water

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/8/17	9/13/17 1:52	JMB
Aroclor-1221 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/8/17	9/13/17 1:52	JMB
Aroclor-1232 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/8/17	9/13/17 1:52	JMB
Aroclor-1242 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/8/17	9/13/17 1:52	JMB
Aroclor-1248 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/8/17	9/13/17 1:52	JMB
Aroclor-1254 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/8/17	9/13/17 1:52	JMB
Aroclor-1260 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/8/17	9/13/17 1:52	JMB
Aroclor-1262 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/8/17	9/13/17 1:52	JMB
Aroclor-1268 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/8/17	9/13/17 1:52	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	73.6	30-150		9/13/17 1:52
Decachlorobiphenyl [2]	75.8	30-150		9/13/17 1:52
Tetrachloro-m-xylene [1]	83.1	30-150		9/13/17 1:52
Tetrachloro-m-xylene [2]	81.6	30-150		9/13/17 1:52

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Sample Extraction Data

Prep Method: SW-846 3546-CTDEP ETPH

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17I0058-07 [WS-AOC14-SE-63]	B185825	30.0	1.00	09/08/17

Prep Method: SW-846 3510C-CTDEP ETPH

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
17I0058-15 [Equipment Blank-59]	B185690	1000	1.00	09/07/17

Prep Method: % Solids-SM 2540G

Lab Number [Field ID]	Batch	Date
17I0058-01 [WS-AOC14-SE-57]	B185578	09/06/17
17I0058-02 [WS-AOC14-SE-58]	B185578	09/06/17
17I0058-03 [WS-AOC14-SE-59]	B185578	09/06/17
17I0058-04 [WS-AOC14-SE-60]	B185578	09/06/17
17I0058-05 [WS-AOC14-SE-61]	B185578	09/06/17
17I0058-06 [WS-AOC14-SE-62]	B185578	09/06/17
17I0058-07 [WS-AOC14-SE-63]	B185578	09/06/17

Prep Method: SW-846 3540C-SW-846 8082A

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17I0058-08 [WS-AOC14-CO-57]	B185833	2.52	10.0	09/08/17
17I0058-09 [WS-AOC14-CO-58]	B185833	2.09	10.0	09/08/17
17I0058-10 [WS-AOC14-CO-59]	B185833	2.02	10.0	09/08/17
17I0058-11 [WS-AOC14-CO-60]	B185833	2.09	10.0	09/08/17
17I0058-12 [WS-AOC14-CO-61]	B185833	2.19	10.0	09/08/17
17I0058-13 [WS-AOC14-CO-62]	B185833	2.03	10.0	09/08/17
17I0058-14 [WS-AOC14-CO-63]	B185833	2.16	10.0	09/08/17

Prep Method: SW-846 3540C-SW-846 8082A

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17I0058-01 [WS-AOC14-SE-57]	B185859	10.0	10.0	09/08/17
17I0058-02 [WS-AOC14-SE-58]	B185859	10.0	10.0	09/08/17
17I0058-03 [WS-AOC14-SE-59]	B185859	10.0	10.0	09/08/17
17I0058-04 [WS-AOC14-SE-60]	B185859	10.0	10.0	09/08/17
17I0058-05 [WS-AOC14-SE-61]	B185859	10.0	10.0	09/08/17
17I0058-06 [WS-AOC14-SE-62]	B185859	10.0	10.0	09/08/17
17I0058-07 [WS-AOC14-SE-63]	B185859	10.0	10.0	09/08/17

Prep Method: SW-846 3510C-SW-846 8082A

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
17I0058-15 [Equipment Blank-59]	B185791	1000	10.0	09/08/17
17I0058-16 [Equipment Blank-60]	B185791	1000	10.0	09/08/17

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Sample Extraction Data

Prep Method: SW-846 3546-SW-846 8270D

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17I0058-07 [WS-AOC14-SE-63]	B185827	30.0	1.00	09/08/17
17I0058-07RE1 [WS-AOC14-SE-63]	B185827	30.0	1.00	09/08/17

Prep Method: SW-846 3510C-SW-846 8270D

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
17I0058-15 [Equipment Blank-59]	B185792	1000	1.00	09/08/17

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B185792 - SW-846 3510C										
Blank (B185792-BLK1)				Prepared: 09/08/17 Analyzed: 09/11/17						
Acenaphthene (SIM)	ND	0.30	µg/L							
Acenaphthylene (SIM)	ND	0.30	µg/L							
Anthracene (SIM)	ND	0.20	µg/L							
Benzo(a)anthracene (SIM)	ND	0.050	µg/L							
Benzo(a)pyrene (SIM)	ND	0.10	µg/L							
Benzo(b)fluoranthene (SIM)	ND	0.050	µg/L							
Benzo(g,h,i)perylene (SIM)	ND	0.50	µg/L							
Benzo(k)fluoranthene (SIM)	ND	0.20	µg/L							
Chrysene (SIM)	ND	0.20	µg/L							
Dibenz(a,h)anthracene (SIM)	ND	0.20	µg/L							
Fluoranthene (SIM)	ND	0.50	µg/L							
Fluorene (SIM)	ND	1.0	µg/L							
Indeno(1,2,3-cd)pyrene (SIM)	ND	0.20	µg/L							
2-Methylnaphthalene (SIM)	ND	1.0	µg/L							
Naphthalene (SIM)	ND	1.0	µg/L							
Phenanthrene (SIM)	ND	0.050	µg/L							
Pyrene (SIM)	ND	1.0	µg/L							
Surrogate: Nitrobenzene-d5	*70.8*		µg/L	100		70.8	30-130			
Surrogate: 2-Fluorobiphenyl	*71.7*		µg/L	100		71.7	30-130			
Surrogate: p-Terphenyl-d14	*62.0*		µg/L	100		62.0	30-130			
LCS (B185792-BS1)				Prepared: 09/08/17 Analyzed: 09/11/17						
Acenaphthene (SIM)	43.4	7.5	µg/L	50.0		86.8	40-140			
Acenaphthylene (SIM)	42.3	7.5	µg/L	50.0		84.6	40-140			
Anthracene (SIM)	45.3	5.0	µg/L	50.0		90.6	40-140			
Benzo(a)anthracene (SIM)	44.2	1.2	µg/L	50.0		88.4	40-140			
Benzo(a)pyrene (SIM)	47.2	2.5	µg/L	50.0		94.3	40-140			
Benzo(b)fluoranthene (SIM)	48.1	1.2	µg/L	50.0		96.2	40-140			
Benzo(g,h,i)perylene (SIM)	45.1	12	µg/L	50.0		90.2	40-140			
Benzo(k)fluoranthene (SIM)	46.8	5.0	µg/L	50.0		93.7	40-140			
Chrysene (SIM)	44.3	5.0	µg/L	50.0		88.6	40-140			
Dibenz(a,h)anthracene (SIM)	45.8	5.0	µg/L	50.0		91.6	40-140			
Fluoranthene (SIM)	45.0	12	µg/L	50.0		90.1	40-140			
Fluorene (SIM)	44.8	25	µg/L	50.0		89.5	40-140			
Indeno(1,2,3-cd)pyrene (SIM)	45.4	5.0	µg/L	50.0		90.8	40-140			
2-Methylnaphthalene (SIM)	42.0	25	µg/L	50.0		84.0	40-140			
Naphthalene (SIM)	40.1	25	µg/L	50.0		80.2	40-140			
Phenanthrene (SIM)	44.3	1.2	µg/L	50.0		88.6	40-140			
Pyrene (SIM)	44.4	25	µg/L	50.0		88.8	40-140			
Surrogate: Nitrobenzene-d5	*84.2*		µg/L	100		84.2	30-130			
Surrogate: 2-Fluorobiphenyl	*93.6*		µg/L	100		93.6	30-130			
Surrogate: p-Terphenyl-d14	*74.5*		µg/L	100		74.5	30-130			

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B185792 - SW-846 3510C										
LCS Dup (B185792-BSD1)				Prepared: 09/08/17 Analyzed: 09/11/17						
Acenaphthene (SIM)	43.8	7.5	µg/L	50.0		87.6	40-140	0.974	20	
Acenaphthylene (SIM)	42.3	7.5	µg/L	50.0		84.6	40-140	0.00	20	
Anthracene (SIM)	46.4	5.0	µg/L	50.0		92.8	40-140	2.35	20	
Benzo(a)anthracene (SIM)	44.8	1.2	µg/L	50.0		89.6	40-140	1.40	20	
Benzo(a)pyrene (SIM)	47.8	2.5	µg/L	50.0		95.6	40-140	1.37	20	
Benzo(b)fluoranthene (SIM)	48.5	1.2	µg/L	50.0		97.0	40-140	0.880	20	
Benzo(g,h,i)perylene (SIM)	46.2	12	µg/L	50.0		92.5	40-140	2.46	20	
Benzo(k)fluoranthene (SIM)	47.2	5.0	µg/L	50.0		94.4	40-140	0.744	20	
Chrysene (SIM)	44.8	5.0	µg/L	50.0		89.6	40-140	1.23	20	
Dibenz(a,h)anthracene (SIM)	46.9	5.0	µg/L	50.0		93.8	40-140	2.32	20	
Fluoranthene (SIM)	46.6	12	µg/L	50.0		93.1	40-140	3.28	20	
Fluorene (SIM)	45.1	25	µg/L	50.0		90.2	40-140	0.779	20	
Indeno(1,2,3-cd)pyrene (SIM)	46.4	5.0	µg/L	50.0		92.7	40-140	2.07	20	‡
2-Methylnaphthalene (SIM)	42.0	25	µg/L	50.0		84.0	40-140	0.00	20	
Naphthalene (SIM)	40.3	25	µg/L	50.0		80.6	40-140	0.622	20	
Phenanthrene (SIM)	45.1	1.2	µg/L	50.0		90.2	40-140	1.73	20	
Pyrene (SIM)	44.1	25	µg/L	50.0		88.2	40-140	0.678	20	
Surrogate: Nitrobenzene-d5	*82.6*		µg/L	100		82.6	30-130			
Surrogate: 2-Fluorobiphenyl	*93.7*		µg/L	100		93.7	30-130			
Surrogate: p-Terphenyl-d14	*74.4*		µg/L	100		74.4	30-130			
Batch B185827 - SW-846 3546										
Blank (B185827-BLK1)				Prepared: 09/08/17 Analyzed: 09/11/17						
Acenaphthene	ND	0.17	mg/Kg wet							
Acenaphthylene	ND	0.17	mg/Kg wet							
Anthracene	ND	0.17	mg/Kg wet							
Benzo(a)anthracene	ND	0.17	mg/Kg wet							
Benzo(a)pyrene	ND	0.17	mg/Kg wet							
Benzo(b)fluoranthene	ND	0.17	mg/Kg wet							
Benzo(g,h,i)perylene	ND	0.17	mg/Kg wet							
Benzo(k)fluoranthene	ND	0.17	mg/Kg wet							
Chrysene	ND	0.17	mg/Kg wet							
Dibenz(a,h)anthracene	ND	0.17	mg/Kg wet							
Fluoranthene	ND	0.17	mg/Kg wet							
Fluorene	ND	0.17	mg/Kg wet							
Indeno(1,2,3-cd)pyrene	ND	0.17	mg/Kg wet							
2-Methylnaphthalene	ND	0.17	mg/Kg wet							
Naphthalene	ND	0.17	mg/Kg wet							
Phenanthrene	ND	0.17	mg/Kg wet							
Pyrene	ND	0.17	mg/Kg wet							
Surrogate: Nitrobenzene-d5	*2.30*		mg/Kg wet	3.33		69.1	30-130			
Surrogate: 2-Fluorobiphenyl	*2.30*		mg/Kg wet	3.33		69.2	30-130			
Surrogate: p-Terphenyl-d14	*3.12*		mg/Kg wet	3.33		93.6	30-130			

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B185827 - SW-846 3546										
LCS (B185827-BS1)				Prepared: 09/08/17 Analyzed: 09/11/17						
Acenaphthene	1.01	0.17	mg/Kg wet	1.67		60.7	40-140			
Acenaphthylene	1.00	0.17	mg/Kg wet	1.67		60.1	40-140			
Anthracene	1.07	0.17	mg/Kg wet	1.67		64.2	40-140			
Benzo(a)anthracene	1.15	0.17	mg/Kg wet	1.67		69.0	40-140			
Benzo(a)pyrene	1.14	0.17	mg/Kg wet	1.67		68.5	40-140			
Benzo(b)fluoranthene	1.10	0.17	mg/Kg wet	1.67		65.9	40-140			
Benzo(g,h,i)perylene	1.17	0.17	mg/Kg wet	1.67		70.2	40-140			
Benzo(k)fluoranthene	1.11	0.17	mg/Kg wet	1.67		66.6	40-140			
Chrysene	1.07	0.17	mg/Kg wet	1.67		64.4	40-140			
Dibenz(a,h)anthracene	1.13	0.17	mg/Kg wet	1.67		67.5	40-140			
Fluoranthene	1.07	0.17	mg/Kg wet	1.67		64.4	40-140			
Fluorene	1.08	0.17	mg/Kg wet	1.67		64.5	40-140			
Indeno(1,2,3-cd)pyrene	1.16	0.17	mg/Kg wet	1.67		69.7	40-140			
2-Methylnaphthalene	1.16	0.17	mg/Kg wet	1.67		69.7	40-140			
Naphthalene	1.06	0.17	mg/Kg wet	1.67		63.7	40-140			
Phenanthrene	1.08	0.17	mg/Kg wet	1.67		65.1	40-140			
Pyrene	1.17	0.17	mg/Kg wet	1.67		70.3	40-140			
Surrogate: Nitrobenzene-d5	*2.58*		mg/Kg wet	3.33		77.3	30-130			
Surrogate: 2-Fluorobiphenyl	*2.60*		mg/Kg wet	3.33		77.9	30-130			
Surrogate: p-Terphenyl-d14	*2.98*		mg/Kg wet	3.33		89.3	30-130			
LCS Dup (B185827-BSD1)				Prepared: 09/08/17 Analyzed: 09/11/17						
Acenaphthene	0.976	0.17	mg/Kg wet	1.67		58.6	40-140	3.55	30	
Acenaphthylene	0.972	0.17	mg/Kg wet	1.67		58.3	40-140	3.07	30	
Anthracene	1.04	0.17	mg/Kg wet	1.67		62.5	40-140	2.65	30	
Benzo(a)anthracene	1.11	0.17	mg/Kg wet	1.67		66.7	40-140	3.39	30	
Benzo(a)pyrene	1.10	0.17	mg/Kg wet	1.67		66.1	40-140	3.51	30	
Benzo(b)fluoranthene	1.05	0.17	mg/Kg wet	1.67		63.1	40-140	4.31	30	
Benzo(g,h,i)perylene	1.14	0.17	mg/Kg wet	1.67		68.6	40-140	2.39	30	
Benzo(k)fluoranthene	1.07	0.17	mg/Kg wet	1.67		64.2	40-140	3.73	30	
Chrysene	1.05	0.17	mg/Kg wet	1.67		62.7	40-140	2.64	30	
Dibenz(a,h)anthracene	1.12	0.17	mg/Kg wet	1.67		67.3	40-140	0.356	30	
Fluoranthene	1.07	0.17	mg/Kg wet	1.67		64.2	40-140	0.311	30	
Fluorene	1.03	0.17	mg/Kg wet	1.67		61.8	40-140	4.24	30	
Indeno(1,2,3-cd)pyrene	1.15	0.17	mg/Kg wet	1.67		69.0	40-140	1.01	30	
2-Methylnaphthalene	1.11	0.17	mg/Kg wet	1.67		66.6	40-140	4.61	30	
Naphthalene	1.00	0.17	mg/Kg wet	1.67		60.2	40-140	5.65	30	
Phenanthrene	1.05	0.17	mg/Kg wet	1.67		63.2	40-140	2.93	30	
Pyrene	1.13	0.17	mg/Kg wet	1.67		67.6	40-140	4.03	30	
Surrogate: Nitrobenzene-d5	*2.45*		mg/Kg wet	3.33		73.5	30-130			
Surrogate: 2-Fluorobiphenyl	*2.49*		mg/Kg wet	3.33		74.7	30-130			
Surrogate: p-Terphenyl-d14	*2.88*		mg/Kg wet	3.33		86.5	30-130			

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QUALITY CONTROL

Polychlorinated Biphenyls By GC/ECD - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B185791 - SW-846 3510C										
Blank (B185791-BLK1)				Prepared: 09/08/17 Analyzed: 09/13/17						
Aroclor-1016	ND	0.20	µg/L							
Aroclor-1016 [2C]	ND	0.20	µg/L							
Aroclor-1221	ND	0.20	µg/L							
Aroclor-1221 [2C]	ND	0.20	µg/L							
Aroclor-1232	ND	0.20	µg/L							
Aroclor-1232 [2C]	ND	0.20	µg/L							
Aroclor-1242	ND	0.20	µg/L							
Aroclor-1242 [2C]	ND	0.20	µg/L							
Aroclor-1248	ND	0.20	µg/L							
Aroclor-1248 [2C]	ND	0.20	µg/L							
Aroclor-1254	ND	0.20	µg/L							
Aroclor-1254 [2C]	ND	0.20	µg/L							
Aroclor-1260	ND	0.20	µg/L							
Aroclor-1260 [2C]	ND	0.20	µg/L							
Aroclor-1262	ND	0.20	µg/L							
Aroclor-1262 [2C]	ND	0.20	µg/L							
Aroclor-1268	ND	0.20	µg/L							
Aroclor-1268 [2C]	ND	0.20	µg/L							
Surrogate: Decachlorobiphenyl	*1.80*		µg/L	2.00		90.0	30-150			
Surrogate: Decachlorobiphenyl [2C]	*1.79*		µg/L	2.00		89.4	30-150			
Surrogate: Tetrachloro-m-xylene	*1.84*		µg/L	2.00		92.0	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.61*		µg/L	2.00		80.7	30-150			
LCS (B185791-BS1)				Prepared: 09/08/17 Analyzed: 09/13/17						
Aroclor-1016	0.44	0.20	µg/L	0.500		87.5	40-140			
Aroclor-1016 [2C]	0.55	0.20	µg/L	0.500		110	40-140			
Aroclor-1260	0.42	0.20	µg/L	0.500		84.3	40-140			
Aroclor-1260 [2C]	0.50	0.20	µg/L	0.500		99.3	40-140			V-06
Surrogate: Decachlorobiphenyl	*1.89*		µg/L	2.00		94.7	30-150			
Surrogate: Decachlorobiphenyl [2C]	*1.86*		µg/L	2.00		93.0	30-150			
Surrogate: Tetrachloro-m-xylene	*1.92*		µg/L	2.00		96.0	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.65*		µg/L	2.00		82.4	30-150			
LCS Dup (B185791-BSD1)				Prepared: 09/08/17 Analyzed: 09/13/17						
Aroclor-1016	0.41	0.20	µg/L	0.500		81.4	40-140	7.20	20	
Aroclor-1016 [2C]	0.51	0.20	µg/L	0.500		103	40-140	6.78	20	
Aroclor-1260	0.38	0.20	µg/L	0.500		76.7	40-140	9.45	20	
Aroclor-1260 [2C]	0.45	0.20	µg/L	0.500		90.8	40-140	8.95	20	V-06
Surrogate: Decachlorobiphenyl	*1.73*		µg/L	2.00		86.4	30-150			
Surrogate: Decachlorobiphenyl [2C]	*1.72*		µg/L	2.00		86.0	30-150			
Surrogate: Tetrachloro-m-xylene	*1.73*		µg/L	2.00		86.6	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.58*		µg/L	2.00		79.0	30-150			

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QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B185833 - SW-846 3540C										
Blank (B185833-BLK1)				Prepared: 09/08/17 Analyzed: 09/14/17						
Aroclor-1016	ND	0.10	mg/Kg							
Aroclor-1016 [2C]	ND	0.10	mg/Kg							
Aroclor-1221	ND	0.10	mg/Kg							
Aroclor-1221 [2C]	ND	0.10	mg/Kg							
Aroclor-1232	ND	0.10	mg/Kg							
Aroclor-1232 [2C]	ND	0.10	mg/Kg							
Aroclor-1242	ND	0.10	mg/Kg							
Aroclor-1242 [2C]	ND	0.10	mg/Kg							
Aroclor-1248	ND	0.10	mg/Kg							
Aroclor-1248 [2C]	ND	0.10	mg/Kg							
Aroclor-1254	ND	0.10	mg/Kg							
Aroclor-1254 [2C]	ND	0.10	mg/Kg							
Aroclor-1260	ND	0.10	mg/Kg							
Aroclor-1260 [2C]	ND	0.10	mg/Kg							
Aroclor-1262	ND	0.10	mg/Kg							
Aroclor-1262 [2C]	ND	0.10	mg/Kg							
Aroclor-1268	ND	0.10	mg/Kg							
Aroclor-1268 [2C]	ND	0.10	mg/Kg							
Surrogate: Decachlorobiphenyl	*0.931*		mg/Kg	1.00		93.1	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.892*		mg/Kg	1.00		89.2	30-150			
Surrogate: Tetrachloro-m-xylene	*0.922*		mg/Kg	1.00		92.2	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.926*		mg/Kg	1.00		92.6	30-150			
LCS (B185833-BS1)				Prepared: 09/08/17 Analyzed: 09/14/17						
Aroclor-1016	0.90	0.10	mg/Kg	1.00		89.7	40-140			
Aroclor-1016 [2C]	0.84	0.10	mg/Kg	1.00		83.7	40-140			
Aroclor-1260	0.83	0.10	mg/Kg	1.00		82.6	40-140			
Aroclor-1260 [2C]	0.75	0.10	mg/Kg	1.00		75.2	40-140			
Surrogate: Decachlorobiphenyl	*0.962*		mg/Kg	1.00		96.2	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.928*		mg/Kg	1.00		92.8	30-150			
Surrogate: Tetrachloro-m-xylene	*0.915*		mg/Kg	1.00		91.5	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.927*		mg/Kg	1.00		92.7	30-150			
LCS Dup (B185833-BSD1)				Prepared: 09/08/17 Analyzed: 09/14/17						
Aroclor-1016	0.92	0.10	mg/Kg	1.00		91.9	40-140	2.46	30	
Aroclor-1016 [2C]	0.88	0.10	mg/Kg	1.00		88.0	40-140	4.96	30	
Aroclor-1260	0.83	0.10	mg/Kg	1.00		82.6	40-140	0.0660	30	
Aroclor-1260 [2C]	0.76	0.10	mg/Kg	1.00		76.0	40-140	1.06	30	
Surrogate: Decachlorobiphenyl	*0.960*		mg/Kg	1.00		96.0	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.925*		mg/Kg	1.00		92.5	30-150			
Surrogate: Tetrachloro-m-xylene	*0.904*		mg/Kg	1.00		90.4	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.909*		mg/Kg	1.00		90.9	30-150			

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QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B185859 - SW-846 3540C										
Blank (B185859-BLK1)				Prepared: 09/08/17 Analyzed: 09/13/17						
Aroclor-1016	ND	0.020	mg/Kg wet							
Aroclor-1016 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1221	ND	0.020	mg/Kg wet							
Aroclor-1221 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1232	ND	0.020	mg/Kg wet							
Aroclor-1232 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1242	ND	0.020	mg/Kg wet							
Aroclor-1242 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1248	ND	0.020	mg/Kg wet							
Aroclor-1248 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1254	ND	0.020	mg/Kg wet							
Aroclor-1254 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1260	ND	0.020	mg/Kg wet							
Aroclor-1260 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1262	ND	0.020	mg/Kg wet							
Aroclor-1262 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1268	ND	0.020	mg/Kg wet							
Aroclor-1268 [2C]	ND	0.020	mg/Kg wet							
Surrogate: Decachlorobiphenyl	*0.168*		mg/Kg wet	0.200		84.0	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.155*		mg/Kg wet	0.200		77.6	30-150			
Surrogate: Tetrachloro-m-xylene	*0.160*		mg/Kg wet	0.200		80.2	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.139*		mg/Kg wet	0.200		69.3	30-150			
LCS (B185859-BS1)				Prepared: 09/08/17 Analyzed: 09/13/17						
Aroclor-1016	0.17	0.020	mg/Kg wet	0.200		82.8	40-140			
Aroclor-1016 [2C]	0.16	0.020	mg/Kg wet	0.200		79.4	40-140			
Aroclor-1260	0.16	0.020	mg/Kg wet	0.200		77.8	40-140			
Aroclor-1260 [2C]	0.16	0.020	mg/Kg wet	0.200		77.7	40-140			
Surrogate: Decachlorobiphenyl	*0.188*		mg/Kg wet	0.200		93.9	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.171*		mg/Kg wet	0.200		85.7	30-150			
Surrogate: Tetrachloro-m-xylene	*0.198*		mg/Kg wet	0.200		99.2	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.150*		mg/Kg wet	0.200		75.2	30-150			
LCS Dup (B185859-BSD1)				Prepared: 09/08/17 Analyzed: 09/13/17						
Aroclor-1016	0.14	0.020	mg/Kg wet	0.200		69.0	40-140	18.2	30	
Aroclor-1016 [2C]	0.14	0.020	mg/Kg wet	0.200		68.4	40-140	14.8	30	
Aroclor-1260	0.13	0.020	mg/Kg wet	0.200		63.9	40-140	19.6	30	
Aroclor-1260 [2C]	0.13	0.020	mg/Kg wet	0.200		64.1	40-140	19.1	30	
Surrogate: Decachlorobiphenyl	*0.149*		mg/Kg wet	0.200		74.4	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.146*		mg/Kg wet	0.200		73.0	30-150			
Surrogate: Tetrachloro-m-xylene	*0.160*		mg/Kg wet	0.200		80.2	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.140*		mg/Kg wet	0.200		69.9	30-150			

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QUALITY CONTROL

Petroleum Hydrocarbons Analyses - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B185690 - SW-846 3510C										
Blank (B185690-BLK1)				Prepared: 09/07/17 Analyzed: 09/08/17						
CT ETPH	ND	0.075	mg/L							
Surrogate: o-Terphenyl	*0.0970*		mg/L	0.100		97.0	50-150			
LCS (B185690-BS1)				Prepared: 09/07/17 Analyzed: 09/08/17						
CT ETPH	0.772	0.075	mg/L	1.00		77.2	60-120			
Surrogate: o-Terphenyl	*0.0991*		mg/L	0.100		99.1	50-150			
LCS Dup (B185690-BSD1)				Prepared: 09/07/17 Analyzed: 09/08/17						
CT ETPH	0.750	0.075	mg/L	1.00		75.0	60-120	2.84	30	
Surrogate: o-Terphenyl	*0.0956*		mg/L	0.100		95.6	50-150			
Batch B185825 - SW-846 3546										
Blank (B185825-BLK1)				Prepared: 09/08/17 Analyzed: 09/11/17						
CT ETPH	ND	10	mg/Kg wet							
Surrogate: o-Terphenyl	*2.79*		mg/Kg wet	3.33		83.6	50-150			
LCS (B185825-BS1)				Prepared: 09/08/17 Analyzed: 09/11/17						
CT ETPH	23.3	10	mg/Kg wet	33.3		70.0	60-120			
Surrogate: o-Terphenyl	*2.74*		mg/Kg wet	3.33		82.2	50-150			
LCS Dup (B185825-BSD1)				Prepared: 09/08/17 Analyzed: 09/11/17						
CT ETPH	24.1	10	mg/Kg wet	33.3		72.4	60-120	3.33	30	
Surrogate: o-Terphenyl	*2.81*		mg/Kg wet	3.33		84.4	50-150			

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC14-SE-58

Lab Sample ID: 17I0058-02

Date(s) Analyzed: 09/13/2017 09/13/2017

Instrument ID (1):

Instrument ID (2):

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	0.11	
	2	0.000	-0.030	0.030	0.13	16.7

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC14-SE-60

Lab Sample ID: 17I0058-04

Date(s) Analyzed: 09/13/2017 09/13/2017

Instrument ID (1):

Instrument ID (2):

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	0.17	
	2	0.000	-0.030	0.030	0.17	0.0

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC14-SE-61

Lab Sample ID: 17I0058-05 Date(s) Analyzed: 09/13/2017 09/13/2017

Instrument ID (1): Instrument ID (2):

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1248	1	0.000	-0.030	0.030	0.11	
	2	0.000	-0.030	0.030	0.12	8.7
Aroclor-1254	1	0.000	-0.030	0.030	0.13	
	2	0.000	-0.030	0.030	0.15	14.3
Aroclor-1260	1	0.000	-0.030	0.030	0.12	
	2	0.000	-0.030	0.030	0.14	15.4

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC14-SE-62

Lab Sample ID: 17I0058-06 Date(s) Analyzed: 09/14/2017 09/14/2017

Instrument ID (1): Instrument ID (2):

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1248	1	0.000	-0.030	0.030	0.17	
	2	0.000	-0.030	0.030	0.20	16.2
Aroclor-1254	1	0.000	-0.030	0.030	0.23	
	2	0.000	-0.030	0.030	0.27	16.0
Aroclor-1260	1	0.000	-0.030	0.030	0.26	
	2	0.000	-0.030	0.030	0.27	3.8

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC14-SE-63

Lab Sample ID: 17I0058-07 Date(s) Analyzed: 09/14/2017 09/14/2017

Instrument ID (1): Instrument ID (2):

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1248	1	0.000	-0.030	0.030	0.22	
	2	0.000	-0.030	0.030	0.23	4.4
Aroclor-1254	1	0.000	-0.030	0.030	0.23	
	2	0.000	-0.030	0.030	0.28	19.6
Aroclor-1260	1	0.000	-0.030	0.030	0.21	
	2	0.000	-0.030	0.030	0.21	0.0

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit
DL	Method Detection Limit
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
DL-03	Elevated reporting limit due to matrix.
E	Reported result is estimated. Value reported over verified calibration range.
O-03	Sample contains two incompletely resolved aroclors. Aroclor with the closest matching pattern is reported.
V-06	Continuing calibration did not meet method specifications and was biased on the high side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the high side.

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
CTDEP ETPH in Soil	
CT ETPH	CT
CTDEP ETPH in Water	
CT ETPH	CT
SW-846 8082A in Product/Solid	
Aroclor-1016	CT,NH,NY,ME,NC,VA
Aroclor-1016 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1221	CT,NH,NY,ME,NC,VA
Aroclor-1221 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1232	CT,NH,NY,ME,NC,VA
Aroclor-1232 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1242	CT,NH,NY,ME,NC,VA
Aroclor-1242 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1248	CT,NH,NY,ME,NC,VA
Aroclor-1248 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1254	CT,NH,NY,ME,NC,VA
Aroclor-1254 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1260	CT,NH,NY,ME,NC,VA
Aroclor-1260 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1262	NY,NC,VA
Aroclor-1262 [2C]	NY,NC,VA
Aroclor-1268	NY,NC,VA
Aroclor-1268 [2C]	NY,NC,VA
SW-846 8082A in Soil	
Aroclor-1016	CT,NH,NY,ME,NC,VA
Aroclor-1016 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1221	CT,NH,NY,ME,NC,VA
Aroclor-1221 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1232	CT,NH,NY,ME,NC,VA
Aroclor-1232 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1242	CT,NH,NY,ME,NC,VA
Aroclor-1242 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1248	CT,NH,NY,ME,NC,VA
Aroclor-1248 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1254	CT,NH,NY,ME,NC,VA
Aroclor-1254 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1260	CT,NH,NY,ME,NC,VA
Aroclor-1260 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1262	NY,NC,VA
Aroclor-1262 [2C]	NY,NC,VA
Aroclor-1268	NY,NC,VA
Aroclor-1268 [2C]	NY,NC,VA
SW-846 8082A in Water	
Aroclor-1016	CT,NH,NY,NC,ME,VA
Aroclor-1016 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1221	CT,NH,NY,NC,ME,VA

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8082A in Water	
Aroclor-1221 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1232	CT,NH,NY,NC,ME,VA
Aroclor-1232 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1242	CT,NH,NY,NC,ME,VA
Aroclor-1242 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1248	CT,NH,NY,NC,ME,VA
Aroclor-1248 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1254	CT,NH,NY,NC,ME,VA
Aroclor-1254 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1260	CT,NH,NY,NC,ME,VA
Aroclor-1260 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1262	NH,NY,NC,ME,VA
Aroclor-1262 [2C]	NH,NY,NC,ME,VA
Aroclor-1268	NH,NY,NC,ME,VA
Aroclor-1268 [2C]	NH,NY,NC,ME,VA
SW-846 8270D in Soil	
Acenaphthene	CT,NY,NH,ME,NC,VA
Acenaphthylene	CT,NY,NH,ME,NC,VA
Anthracene	CT,NY,NH,ME,NC,VA
Benzo(a)anthracene	CT,NY,NH,ME,NC,VA
Benzo(a)pyrene	CT,NY,NH,ME,NC,VA
Benzo(b)fluoranthene	CT,NY,NH,ME,NC,VA
Benzo(g,h,i)perylene	CT,NY,NH,ME,NC,VA
Benzo(k)fluoranthene	CT,NY,NH,ME,NC,VA
Chrysene	CT,NY,NH,ME,NC,VA
Dibenz(a,h)anthracene	CT,NY,NH,ME,NC,VA
Fluoranthene	CT,NY,NH,ME,NC,VA
Fluorene	CT,NY,NH,ME,NC,VA
Indeno(1,2,3-cd)pyrene	CT,NY,NH,ME,NC,VA
2-Methylnaphthalene	CT,NY,NH,ME,NC,VA
Naphthalene	CT,NY,NH,ME,NC,VA
Phenanthrene	CT,NY,NH,ME,NC,VA
Pyrene	CT,NY,NH,ME,NC,VA

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The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2005	100033	02/1/2018
MA	Massachusetts DEP	M-MA100	06/30/2018
CT	Connecticut Department of Publilc Health	PH-0567	09/30/2017
NY	New York State Department of Health	10899 NELAP	04/1/2018
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2018
RI	Rhode Island Department of Health	LAO00112	12/30/2017
NC	North Carolina Div. of Water Quality	652	12/31/2017
NJ	New Jersey DEP	MA007 NELAP	06/30/2018
FL	Florida Department of Health	E871027 NELAP	06/30/2018
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2018
ME	State of Maine	2011028	06/9/2019
VA	Commonwealth of Virginia	460217	12/14/2017
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2017
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2018
NC-DW	North Carolina Department of Health	25703	07/31/2018

17I0058

con-test ANALYTICAL LABORATORY

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Email: info@contestlabs.com

http://www.contestlabs.com

Doc # 381 Rev 0 5 8 2015

CHAIN OF CUSTODY RECORD

39 Spruce Street
East Longmeadow, MA 01028

Company Name:	Weston & Sampson Engineers
Address:	273 Dividend Rd Rcoky Hill, CT
Phone:	860 513-1473
Project Name:	English Station
Project Location:	510 Grand Ave, New Haven, CT
Project Number:	2170495
Project Manager:	Malcolm Beeler
Con-Test Bid:	
Invoice Recipient:	Malcolm Beeler (Weston & Sampson)
Sampled By:	~~Chris Bartlamme~~/Will Sirotnak

Requested Turnaround Time
7-Day ☑ 10-Day ☐
Other: 5-day ☐

Rush Approval Required
1-Day ☐ 3-Day ☐
2-Day ☐ 4-Day ☐

Data Delivery
Format: PDF ☑ EXCEL ☑
Other:
Enhanced Data Package Required: ☐
Email To: beelerm@wseinc.com
Fax To #:

ANALYSIS REQUESTED

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	[1]Matrix Code	Conc Code	PCBs (Soxhlet)	ETPH	PAHs	# of Containers	[2] Preservation Code	[3] Container Code
1	WS-AOC14-SE-57	9/1/17	830		X	S	U	X					
2	WS-AOC14-SE-58	↓	840		↓	↓	↓	X					
3	WS-AOC14-SE-59		850					X					
4	WS-AOC14-SE-60		900					X					
5	WS-AOC14-SE-61		910					X					
6	WS-AOC14-SE-62		920					X					
7	WS-AOC14-SE-63		930			↓		X	X	X			
8	WS-AOC14-Co-57		835			O		X					
9	WS-AOC14-Co-58		845					X					
10	WS-AOC14-Co-59	↓	855		↓	↓	↓	X					

Dissolved Metals Samples
○ Field Filtered
○ Lab to Filter

Orthophosphate Samples
○ Field Filtered
○ Lab to Filter

[1] **Matrix Codes:**
GW = Ground Water
WW = Waste Water
DW = Drinking Water
A = Air
S = Soil/Solid
SL = Sludge
O = Other (please define) Porous Media

[2] **Preservation Codes:**
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium Bisulfate
X = Sodium Hydroxide
T = Sodium Thiosulfate
O = Other (please define) _____

[3] **Container Codes:**
A = Amber Glass
G = Glass
P = Plastic
ST = Sterile
V = Vial
S = Summa Canister
T = Tedlar Bag
O = Other (please define) _____

Comments:

Please hold excess volumes for possible SPLP analyses.

Please use the following codes to indicate possible sample concentration within the **Conc Code** column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Relinquished by: (signature)	Date/Time:
9/1/17	
Received by: (signature)	Date/Time: 9/1/17 1411
Relinquished by: (signature)	Date/Time: 9/1/17 1510
Received by: (signature) 9-1-17	Date/Time: 3:00
Relinquished by: (signature) 9-1-17	Date/Time: 4:50
Received by: (signature)	Date/Time: 3.8°C 9/1/17 16:50

Detection Limit Requirements
MA
CT RES DEC
Other:

Program Information

○ MCP Analytical Certification Form Required
● RCP Analysis Certification Form Required
○ MA State DW Form Required
PWSID # _____

NELAC and AIHA-LAP, LLC Accredited

TURNAROUND TIME (BUSINESS DAYS) STARTS AT 9:00 AM THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON THIS CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR IS INCORRECT, TURNAROUND TIME CANNOT START UNTIL ALL QUESTIONS HAVE BEEN ANSWERED.

PLEASE BE CAREFUL NOT TO CONTAMINATE THIS DOCUMENT

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Email: info@contestlabs.com
39 Spruce Street
East Longmeadow, MA 01028

CHAIN OF CUSTODY RECORD

Company Name:	Weston & Sampson Engineers
Address:	273 Dividend Rd Rcoky Hill, CT
Phone:	860 513-1473
Project Name:	English Station
Project Location:	510 Grand Ave, New Haven, CT
Project Number:	2170495
Project Manager:	Malcolm Beeler
Con-Test Bid:	
Invoice Recipient:	Malcolm Beeler (Weston & Sampson)
Sampled By:	~~Chris Rochlitzime~~/Will Sirotnak

Requested Turnaround Time
7-Day ☑ 10-Day ☐
Other: 5-day ☐

Rush-Approval Required
1-Day ☐ 3-Day ☐
2-Day ☐ 4-Day ☐

Data Delivery
Format: PDF ☑ EXCEL ☑
Other:
Enhanced Data Package Required: ☐
Email To: beelerm@wseinc.com
Fax To #:

ANALYSIS REQUESTED

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	[1]Matrix Code	Conc Code	PCBs (soxhlet)	ETPH	PAHs	# of Containers	[2] Preservation Code	[3] Container Code
11	WS-AOC14-Co-60	9/1/17	905		X	O	U	X					
12	WS-AOC14-Co-61	↓	915		↓	↓	↓	X					
13	WS-AOC14-Co-62	↓	925		↓	↓	↓	X					
14	WS-AOC14-Co-63	↓	935		↓	↓	↓	X					
15	Equipment Blank-59	↓	0800		X	W	U	X	X	X			
16	Equipment Blank-60	↓	0815		X	W	U	X					

Dissolved Metals Samples
○ Field Filtered
○ Lab to Filter

Orthophosphate Samples
○ Field Filtered
○ Lab to Filter

[1] **Matrix Codes:**
GW = Ground Water
WW = Waste Water
DW = Drinking Water
A = Air
S = Soil/Solid
SL = Sludge
O = Other (please define)
porous media

[2] **Preservation Codes:**
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium Bisulfate
X = Sodium Hydroxide
T = Sodium Thiosulfate
O = Other (please define)

[3] **Container Codes:**
A = Amber Glass
G = Glass
P = Plastic
ST = Sterile
V = Vial
S = Summa Canister
T = Tedlar Bag
O = Other (please define)

Comments:

Please hold excess volumes for possible SPLP analyses.

Please use the following codes to indicate possible sample concentration within the Conc Code column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Relinquished by: (signature) 9/1/17	Date/Time:
Received by: (signature) 9/1/17	Date/Time: 1411
Relinquished by: (signature)	Date/Time: 9/1/17 1510
Received by: (signature) 9-1-17	Date/Time: 3:00
Relinquished by: (signature) 9-1-17	Date/Time: 4:50
Received by: (signature)	Date/Time: 3.8°C 9/1/17 16:50

Detection Limit Requirements
MA
CT RES DEC
Other:

Program Information

○ MCP Analytical Certification Form Required
● RCP Analysis Certification Form Required
○ MA State DW Form Required
PWSID # _____

NELAC and AIHA-LAP, LLC Accredited

TURNAROUND TIME (BUSINESS DAYS) STARTS AT 9:00 AM THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON THIS CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR IS INCORRECT, TURNAROUND TIME CANNOT START UNTIL ALL QUESTIONS HAVE BEEN ANSWERED.

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East Longmeadow, MA. 01028
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con-test® ANALYTICAL LABORATORY

Doc# 277 Rev 5 2017

Login Sample Receipt Checklist - (Rejection Criteria Listing - Using Acceptance Policy) Any False Statement will be brought to the attention of the Client - State True or False

Client Weston & Sampson Engineers

Received By WCG Date 9/1/17 Time 16:50

How were the samples received? In Cooler T No Cooler ____ On Ice T No Ice ____
Direct from Sampling ____ Ambient ____ Melted Ice ____

Were samples within Temperature? 2-6°C T By Gun # 1 Actual Temp - 3.8°C
By Blank # ____ Actual Temp - ____

Was Custody Seal Intact? N/A Were Samples Tampered with? N/A
Was COC Relinquished ? T Does Chain Agree With Samples? T
Are there broken/leaking/loose caps on any samples? F
Is COC in ink/ Legible? T Were samples received within holding time? T
Did COC include all pertinent Information? Client T Analysis T Sampler Name T
Project T ID's T Collection Dates/Times T
Are Sample labels filled out and legible? T
Are there Lab to Filters? F Who was notified? ____
Are there Rushes? F Who was notified? ____
Are there Short Holds? F Who was notified? ____
Is there enough Volume? T
Is there Headspace where applicable? T MS/MSD? N/A
Proper Media/Containers Used? T Is splitting samples required? N/A
Were trip blanks received? N/A On COC? N/A
Do all samples have the proper pH? Acid N/A Base N/A

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.	8	1 Liter Plastic		16 oz Amb.	
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear	7
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear	7
Bisulfate-		Col./Bacteria		Flashpoint		2oz Amb/Clear	
DI-		Other Plastic		Other Glass		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Unused Media

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.	
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear	
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear	
Bisulfate-		Col./Bacteria		Flashpoint		2oz Amb/Clear	
DI-		Other Plastic		Other Glass		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Comments:

D:\HPCHEM\1\DATA\A091117\A0911006.D

CT ETPH DISCRIMINATION CHECK

Date Acquired	9/11/17
Data File Name	A0911006.D
Sample Name	ETPH 1500
Instrument Name	5890DFID

Compound	Ret Time	Target Response	Average Response	*%D +/- 20
c - 9	1.29	524328	554084	-5
c - 10	1.64	532804	554084	-4
c - 12	2.37	552317	554084	0
c - 14	3.04	566100	554084	2
c - 16	3.65	580624	554084	5
c - 18	4.29	575815	554084	4
o-Terphenyl	4.57	636260	554084	
c - 20	4.89	583143	554084	5
c - 22	5.39	592516	554084	7
c - 24	5.83	553643	554084	0
c - 26	6.23	583238	554084	5
c - 28	6.59	572763	554084	3
c - 30	6.92	554883	554084	0
c - 32	7.23	523847	554084	-5
c - 34	7.53	511661	554084	-8
c - 36	7.87	503585	554084	-9

* One compound allowed %D <= 50%

Samples

17I0043-04@10X

D:\HPCHEM\1\DATA\A090817\A0908022.D

CT ETPH DISCRIMINATION CHECK

Date Acquired	9/8/17
Data File Name	A0908022.D
Sample Name	ETPH 1500
Instrument Name	5890DFID

Compound	Ret Time	Target Response	Average Response	*%D +/- 20
c - 9	1.29	481727	522771	-8
c - 10	1.64	490421	522771	-6
c - 12	2.37	509864	522771	-2
c - 14	3.04	523547	522771	0
c - 16	3.65	537626	522771	3
c - 18	4.29	533903	522771	2
o-Terphenyl	4.57	592385	522771	
c - 20	4.89	542364	522771	4
c - 22	5.39	553081	522771	6
c - 24	5.83	517523	522771	-1
c - 26	6.23	545373	522771	4
c - 28	6.59	537619	522771	3
c - 30	6.92	530058	522771	1
c - 32	7.24	513896	522771	-2
c - 34	7.53	512488	522771	-2
c - 36	7.88	512079	522771	-2

* One compound allowed %D </= 50%

Samples

17I0043-01
17I0043-02
17I0043-03
17I0043-05

D:\HPCHEM\1\DATA\A090817.SEC\A0908023.D

CT ETPH DISCRIMINATION CHECK

Date Acquired	9/8/17
Data File Name	A0908023.D
Sample Name	ETPH 1500
Instrument Name	5890DFID

Compound	Ret Time	Target Response	Average Response	*%D +/- 20
c - 9	1.28	595189	627905	-5
c - 10	1.62	603227	627905	-4
c - 12	2.34	621946	627905	-1
c - 14	3.01	635030	627905	1
c - 16	3.61	650070	627905	4
c - 18	4.23	642037	627905	2
o-Terphenyl	4.51	713270	627905	
c - 20	4.83	648513	627905	3
c - 22	5.34	656041	627905	4
c - 24	5.77	610215	627905	-3
c - 26	6.16	640547	627905	2
c - 28	6.52	632830	627905	1
c - 30	6.85	628422	627905	0
c - 32	7.16	615507	627905	-2
c - 34	7.46	619124	627905	-1
c - 36	7.77	619880	627905	-1

* One compound allowed %D </= 50%

Samples

17H1621-24
17I0058-15
17I0065-01
17I0066-03
17H1066-03
17H1066-02
17H1066-03
17H1066-04
17H1066-05
17H1643-01
17H1643-01
117I0028-01

D:\HPCHEM\1\DATA\A091117.SEC\A0911007.D

CT ETPH DISCRIMINATION CHECK

Date Acquired	9/11/17
Data File Name	A0911007.D
Sample Name	ETPH 1500
Instrument Name	5890DFID

Compound	Ret Time	Target Response	Average Response	*%D +/- 20
c - 9	1.28	598919	619450	-3
c - 10	1.63	606630	619450	-2
c - 12	2.35	624726	619450	1
c - 14	3.01	638582	619450	3
c - 16	3.61	653643	619450	6
c - 18	4.23	645873	619450	4
o-Terphenyl	4.51	717552	619450	
c - 20	4.83	651457	619450	5
c - 22	5.34	658639	619450	6
c - 24	5.77	612116	619450	-1
c - 26	6.16	641867	619450	4
c - 28	6.52	630405	619450	2
c - 30	6.85	613103	619450	-1
c - 32	7.16	581090	619450	-6
c - 34	7.45	571374	619450	-8
c - 36	7.77	563330	619450	-9

* One compound allowed %D <= 50%

Samples

17H1658-02
17H1658-03

D:\HPCHEM\1\DATA\A091117.SEC\A0911061.D

CT ETPH DISCRIMINATION CHECK

Date Acquired	9/11/17
Data File Name	A0911061.D
Sample Name	ETPH 1500
Instrument Name	5890DFID

Compound	Ret Time	Target Response	Average Response	*%D +/- 20
c - 9	1.28	612985	629018	-3
c - 10	1.63	621912	629018	-1
c - 12	2.35	638923	629018	2
c - 14	3.01	649701	629018	3
c - 16	3.61	662581	629018	5
c - 18	4.23	653072	629018	4
o-Terphenyl	4.51	724686	629018	
c - 20	4.83	659129	629018	5
c - 22	5.34	665621	629018	6
c - 24	5.77	618003	629018	-2
c - 26	6.16	647801	629018	3
c - 28	6.52	636949	629018	1
c - 30	6.85	621308	629018	-1
c - 32	7.16	592505	629018	-6
c - 34	7.46	581731	629018	-8
c - 36	7.77	573055	629018	-9

* One compound allowed %D <= 50%

Samples

17I0058-07@10X

REASONABLE CONFIDENCE PROTOCOL
LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name: Con-Test Analytical Laboratory

Client: Weston & Sampson

Project Location: 510 Grand Ave., New Haven, CT

Project Number: 17I0058

Laboratory Sample ID(s):

17I0058-01 thru 17I0058-16

Sample Date(s):

09/01/2017

List RCP Methods Used:

CTDEP ETPH, SW-846 8082A, SW-846 8270D

1	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CTDEP method-specific Reasonable Confidence Protocol documents?	☑ Yes ☐ No
1A	Were the method specified preservation and holding time requirements met?	☑ Yes ☐ No
1B	VPH and EPH Methods only: Was the VPH and EPH method conducted without significant modifications (see Section 11.3 of respective RCP methods)?	☐ Yes ☐ No ☑ N/A
2	Were all samples received by the laboratory in a condition consistent with that described on the associated chain-of-custody document(s)?	☑ Yes ☐ No
3	Were samples received at an appropriate temperature (< 6 degrees C.)?	☑ Yes ☐ No ☐ N/A
4	Were all QA/QC performance criteria specified in the CTDEP Reasonable Confidence Protocol documents achieved?	☐ Yes ☑ No
5A	Were reporting limits specified or referenced on the chain-of-custody?	☑ Yes ☐ No
5B	Were these reporting limits met?	☑ Yes ☐ No
6	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	☐ Yes ☑ No
7	Are project-specific matrix spikes and laboratory duplicates included in this data set?	☐ Yes ☑ No

Notes: For all questions to which the response was "No" (with the exception of question #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A, or #1B is "No", the data package does not meet the requirements for "Reasonable Confidence."
This form may not be altered and all questions must be answered.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete.

Authorized Signature: Lisa Worthington **Position:** **Project Manager**

Printed Name: **Lisa A. Worthington** **Date:** **09/15/17**

Name of Laboratory: **Con-Test Analytical Laboratory**

This certification form is to be used for RCP methods only.

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

September 18, 2017

Malcolm Beeler
Weston & Sampson
273 Dividend Road
Rocky Hill, CT 06067

Project Location: 510 Grand Ave., New Haven, CT
Client Job Number:
Project Number: 2170495
Laboratory Work Order Number: 17I0112

Enclosed are results of analyses for samples received by the laboratory on September 5, 2017. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

James M. Georgantas
Project Manager

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Weston & Sampson
273 Dividend Road
Rocky Hill, CT 06067
ATTN: Malcolm Beeler

REPORT DATE: 9/18/2017

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 2170495

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 17I0112

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: 510 Grand Ave., New Haven, CT

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
WS-AOC12E-SO-5-1	17I0112-01	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 8082A	
WS-AOC12E-SO-5-2	17I0112-02	Soil		SM 2540G	
				SW-846 8082A	
WS-AOC12E-SO-17-1	17I0112-03	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 8082A	
WS-AOC12E-SO-17-2	17I0112-04	Soil		SM 2540G	
				SW-846 8082A	
WS-AOC12E-SO-17-3	17I0112-05	Soil		SM 2540G	
				SW-846 8082A	
WS-AOC12E-SO-35-1	17I0112-06	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 8082A	
WS-AOC12E-SO-35-2	17I0112-07	Soil		SM 2540G	
				SW-846 8082A	
				SW-846 8270D	
WS-AOC12E-SO-35-3	17I0112-08	Soil		SM 2540G	
				SW-846 8082A	
WS-AOC12E-SO-21-1	17I0112-09	Soil		SM 2540G	
				SW-846 8082A	
				SW-846 8270D	
WS-AOC12E-SO-21-2	17I0112-10	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 8082A	
WS-AOC12E-SO-21-3	17I0112-11	Soil		SM 2540G	
				SW-846 8082A	
WS-AOC12E-SO-25-1	17I0112-12	Soil		SM 2540G	
				SW-846 8082A	
WS-AOC12E-SO-25-2	17I0112-13	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 8082A	
WS-AOC12E-SO-25-3	17I0112-14	Soil		SM 2540G	
				SW-846 8082A	
WS-AOC15-SO-1-1	17I0112-15	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 8082A	
WS-AOC15-SO-1-2	17I0112-16	Soil		SM 2540G	
				SW-846 8082A	

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Weston & Sampson
273 Dividend Road
Rocky Hill, CT 06067
ATTN: Malcolm Beeler

REPORT DATE: 9/18/2017

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 2170495

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 17I0112

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: 510 Grand Ave., New Haven, CT

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
WS-AOC15-SO-1-3	17I0112-17	Soil		SM 2540G	
				SW-846 8082A	
WS-AOC12E-SO-42-1	17I0112-18	Soil		SM 2540G	
				SW-846 8082A	
WS-AOC12E-SO-42-2	17I0112-19	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 8082A	
WS-AOC12E-SO-42-3	17I0112-20	Soil		SM 2540G	
				SW-846 8082A	
WS-AOC12E-SO-Dup47	17I0112-21	Soil		SM 2540G	
				SW-846 8082A	
Equipment Blank - 61	17I0112-22	Equipment Blank Water		CTDEP ETPH	
				SW-846 8082A	
				SW-846 8270D	
Equipment Blank - 62	17I0112-23	Equipment Blank Water		CTDEP ETPH	
				SW-846 8082A	
				SW-846 8270D	

con-test® ANALYTICAL LABORATORY

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

For method 8270, only PAHs were requested and reported.

CTDEP ETPH

Qualifications:

MS-07A

Matrix spike and spike duplicate recovery is outside of control limits. Analysis is in control based on laboratory fortified blank recovery. Possiblity of matrix effects that lead to low bias or non-homogeneous sample aliquot cannot be eliminated.

Analyte & Samples(s) Qualified:

CT ETPH

17I0112-03[WS-AOC12E-SO-17-1], B185921-MS1, B185921-MSD1

SW-846 8270D

Qualifications:

RL-12

Elevated reporting limit due to matrix interference.

Analyte & Samples(s) Qualified:

17I0112-07[WS-AOC12E-SO-35-2]

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

Lisa A. Worthington
Project Manager

con-test® ANALYTICAL LABORATORY

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0112

Date Received: 9/5/2017

Field Sample #: WS-AOC12E-SO-5-1 Sampled: 9/5/2017 13:30

Sample ID: 17I0112-01

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.098	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 14:07	JMB
Aroclor-1221 [1]	ND	0.098	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 14:07	JMB
Aroclor-1232 [1]	ND	0.098	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 14:07	JMB
Aroclor-1242 [1]	ND	0.098	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 14:07	JMB
Aroclor-1248 [1]	ND	0.098	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 14:07	JMB
Aroclor-1254 [1]	ND	0.098	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 14:07	JMB
Aroclor-1260 [1]	ND	0.098	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 14:07	JMB
Aroclor-1262 [1]	ND	0.098	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 14:07	JMB
Aroclor-1268 [1]	ND	0.098	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 14:07	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	95.4	30-150		9/16/17 14:07
Decachlorobiphenyl [2]	110	30-150		9/16/17 14:07
Tetrachloro-m-xylene [1]	95.8	30-150		9/16/17 14:07
Tetrachloro-m-xylene [2]	91.5	30-150		9/16/17 14:07

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0112

Date Received: 9/5/2017

Field Sample #: WS-AOC12E-SO-5-1 Sampled: 9/5/2017 13:30

Sample ID: 17I0112-01

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	110	12	mg/Kg dry	1		CTDEP ETPH	9/11/17	9/12/17 23:59	SCS

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
o-Terphenyl	86.3	50-150		9/12/17 23:59

con-test® ANALYTICAL LABORATORY

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0112

Date Received: 9/5/2017

Field Sample #: WS-AOC12E-SO-5-1 Sampled: 9/5/2017 13:30

Sample ID: 17I0112-01

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	81.9		% Wt	1		SM 2540G	9/6/17	9/7/17 8:08	MRL

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0112

Date Received: 9/5/2017

Field Sample #: WS-AOC12E-SO-5-2 Sampled: 9/5/2017 13:31

Sample ID: 17I0112-02

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 14:24	JMB
Aroclor-1221 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 14:24	JMB
Aroclor-1232 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 14:24	JMB
Aroclor-1242 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 14:24	JMB
Aroclor-1248 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 14:24	JMB
Aroclor-1254 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 14:24	JMB
Aroclor-1260 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 14:24	JMB
Aroclor-1262 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 14:24	JMB
Aroclor-1268 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 14:24	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	93.2	30-150		9/16/17 14:24
Decachlorobiphenyl [2]	103	30-150		9/16/17 14:24
Tetrachloro-m-xylene [1]	95.4	30-150		9/16/17 14:24
Tetrachloro-m-xylene [2]	96.1	30-150		9/16/17 14:24

con-test® ANALYTICAL LABORATORY

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0112

Date Received: 9/5/2017

Field Sample #: WS-AOC12E-SO-5-2 Sampled: 9/5/2017 13:31

Sample ID: 17I0112-02

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	83.0		% Wt	1		SM 2540G	9/6/17	9/7/17 8:08	MRL

con-test® ANALYTICAL LABORATORY

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0112

Date Received: 9/5/2017

Field Sample #: WS-AOC12E-SO-17-1 Sampled: 9/5/2017 13:40

Sample ID: 17I0112-03

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 14:42	JMB
Aroclor-1221 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 14:42	JMB
Aroclor-1232 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 14:42	JMB
Aroclor-1242 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 14:42	JMB
Aroclor-1248 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 14:42	JMB
Aroclor-1254 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 14:42	JMB
Aroclor-1260 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 14:42	JMB
Aroclor-1262 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 14:42	JMB
Aroclor-1268 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 14:42	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	91.2	30-150		9/16/17 14:42
Decachlorobiphenyl [2]	100	30-150		9/16/17 14:42
Tetrachloro-m-xylene [1]	94.2	30-150		9/16/17 14:42
Tetrachloro-m-xylene [2]	95.9	30-150		9/16/17 14:42

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0112

Date Received: 9/5/2017

Field Sample #: WS-AOC12E-SO-17-1 Sampled: 9/5/2017 13:40

Sample ID: 17I0112-03

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	260	56	mg/Kg dry	5	MS-07A	CTDEP ETPH	9/11/17	9/12/17 21:20	SCS

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
o-Terphenyl	69.1	50-150		9/12/17 21:20

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0112

Date Received: 9/5/2017

Field Sample #: WS-AOC12E-SO-17-1 Sampled: 9/5/2017 13:40

Sample ID: 17I0112-03

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	89.3		% Wt	1		SM 2540G	9/6/17	9/7/17 8:08	MRL

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0112

Date Received: 9/5/2017

Field Sample #: WS-AOC12E-SO-17-2 Sampled: 9/5/2017 13:41

Sample ID: 17I0112-04

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 14:59	JMB
Aroclor-1221 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 14:59	JMB
Aroclor-1232 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 14:59	JMB
Aroclor-1242 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 14:59	JMB
Aroclor-1248 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 14:59	JMB
Aroclor-1254 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 14:59	JMB
Aroclor-1260 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 14:59	JMB
Aroclor-1262 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 14:59	JMB
Aroclor-1268 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 14:59	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	91.2	30-150		9/16/17 14:59
Decachlorobiphenyl [2]	105	30-150		9/16/17 14:59
Tetrachloro-m-xylene [1]	91.1	30-150		9/16/17 14:59
Tetrachloro-m-xylene [2]	95.1	30-150		9/16/17 14:59

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0112

Date Received: 9/5/2017

Field Sample #: WS-AOC12E-SO-17-2 Sampled: 9/5/2017 13:41

Sample ID: 17I0112-04

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	85.9		% Wt	1		SM 2540G	9/6/17	9/7/17 8:08	MRL

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0112

Date Received: 9/5/2017

Field Sample #: WS-AOC12E-SO-17-3 Sampled: 9/5/2017 13:42

Sample ID: 17I0112-05

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 15:17	JMB
Aroclor-1221 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 15:17	JMB
Aroclor-1232 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 15:17	JMB
Aroclor-1242 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 15:17	JMB
Aroclor-1248 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 15:17	JMB
Aroclor-1254 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 15:17	JMB
Aroclor-1260 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 15:17	JMB
Aroclor-1262 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 15:17	JMB
Aroclor-1268 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 15:17	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	100	30-150		9/16/17 15:17
Decachlorobiphenyl [2]	112	30-150		9/16/17 15:17
Tetrachloro-m-xylene [1]	100	30-150		9/16/17 15:17
Tetrachloro-m-xylene [2]	106	30-150		9/16/17 15:17

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0112

Date Received: 9/5/2017

Field Sample #: WS-AOC12E-SO-17-3 Sampled: 9/5/2017 13:42

Sample ID: 17I0112-05

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	87.9		% Wt	1		SM 2540G	9/6/17	9/7/17 8:08	MRL

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0112

Date Received: 9/5/2017

Field Sample #: WS-AOC12E-SO-35-1 Sampled: 9/5/2017 14:03

Sample ID: 17I0112-06

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 15:34	JMB
Aroclor-1221 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 15:34	JMB
Aroclor-1232 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 15:34	JMB
Aroclor-1242 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 15:34	JMB
Aroclor-1248 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 15:34	JMB
Aroclor-1254 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 15:34	JMB
Aroclor-1260 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 15:34	JMB
Aroclor-1262 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 15:34	JMB
Aroclor-1268 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 15:34	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	77.6	30-150		9/16/17 15:34
Decachlorobiphenyl [2]	88.3	30-150		9/16/17 15:34
Tetrachloro-m-xylene [1]	84.8	30-150		9/16/17 15:34
Tetrachloro-m-xylene [2]	84.3	30-150		9/16/17 15:34

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0112

Date Received: 9/5/2017

Field Sample #: WS-AOC12E-SO-35-1 Sampled: 9/5/2017 14:03

Sample ID: 17I0112-06

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	1100	240	mg/Kg dry	10		CTDEP ETPH	9/11/17	9/12/17 21:02	SCS

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
o-Terphenyl	62.2	50-150		9/12/17 21:02

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0112

Date Received: 9/5/2017

Field Sample #: WS-AOC12E-SO-35-1 Sampled: 9/5/2017 14:03

Sample ID: 17I0112-06

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	84.2		% Wt	1		SM 2540G	9/6/17	9/7/17 8:08	MRL

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0112

Date Received: 9/5/2017

Field Sample #: WS-AOC12E-SO-35-2 Sampled: 9/5/2017 14:04

Sample ID: 17I0112-07

Sample Matrix: Soil

Sample Flags: RL-12

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/11/17	9/12/17 17:56	BGL
Acenaphthylene	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/11/17	9/12/17 17:56	BGL
Anthracene	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/11/17	9/12/17 17:56	BGL
Benzo(a)anthracene	0.39	0.38	mg/Kg dry	1		SW-846 8270D	9/11/17	9/12/17 17:56	BGL
Benzo(a)pyrene	0.40	0.38	mg/Kg dry	1		SW-846 8270D	9/11/17	9/12/17 17:56	BGL
Benzo(b)fluoranthene	0.49	0.38	mg/Kg dry	1		SW-846 8270D	9/11/17	9/12/17 17:56	BGL
Benzo(g,h,i)perylene	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/11/17	9/12/17 17:56	BGL
Benzo(k)fluoranthene	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/11/17	9/12/17 17:56	BGL
Chrysene	0.40	0.38	mg/Kg dry	1		SW-846 8270D	9/11/17	9/12/17 17:56	BGL
Dibenz(a,h)anthracene	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/11/17	9/12/17 17:56	BGL
Fluoranthene	0.68	0.38	mg/Kg dry	1		SW-846 8270D	9/11/17	9/12/17 17:56	BGL
Fluorene	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/11/17	9/12/17 17:56	BGL
Indeno(1,2,3-cd)pyrene	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/11/17	9/12/17 17:56	BGL
2-Methylnaphthalene	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/11/17	9/12/17 17:56	BGL
Naphthalene	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/11/17	9/12/17 17:56	BGL
Phenanthrene	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/11/17	9/12/17 17:56	BGL
Pyrene	0.67	0.38	mg/Kg dry	1		SW-846 8270D	9/11/17	9/12/17 17:56	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Nitrobenzene-d5	35.1	30-130		9/12/17 17:56
2-Fluorobiphenyl	37.6	30-130		9/12/17 17:56
p-Terphenyl-d14	42.2	30-130		9/12/17 17:56

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0112

Date Received: 9/5/2017

Field Sample #: WS-AOC12E-SO-35-2 Sampled: 9/5/2017 14:04

Sample ID: 17I0112-07

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 15:52	JMB
Aroclor-1221 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 15:52	JMB
Aroclor-1232 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 15:52	JMB
Aroclor-1242 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 15:52	JMB
Aroclor-1248 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 15:52	JMB
Aroclor-1254 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 15:52	JMB
Aroclor-1260 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 15:52	JMB
Aroclor-1262 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 15:52	JMB
Aroclor-1268 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 15:52	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	76.8	30-150		9/16/17 15:52
Decachlorobiphenyl [2]	86.7	30-150		9/16/17 15:52
Tetrachloro-m-xylene [1]	88.2	30-150		9/16/17 15:52
Tetrachloro-m-xylene [2]	92.2	30-150		9/16/17 15:52

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0112

Date Received: 9/5/2017

Field Sample #: WS-AOC12E-SO-35-2 Sampled: 9/5/2017 14:04

Sample ID: 17I0112-07

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	90.4		% Wt	1		SM 2540G	9/6/17	9/7/17 8:08	MRL

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0112

Date Received: 9/5/2017

Field Sample #: WS-AOC12E-SO-35-3 Sampled: 9/5/2017 14:05

Sample ID: 17I0112-08

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 16:09	JMB
Aroclor-1221 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 16:09	JMB
Aroclor-1232 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 16:09	JMB
Aroclor-1242 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 16:09	JMB
Aroclor-1248 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 16:09	JMB
Aroclor-1254 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 16:09	JMB
Aroclor-1260 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 16:09	JMB
Aroclor-1262 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 16:09	JMB
Aroclor-1268 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 16:09	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	78.4	30-150		9/16/17 16:09
Decachlorobiphenyl [2]	86.1	30-150		9/16/17 16:09
Tetrachloro-m-xylene [1]	89.1	30-150		9/16/17 16:09
Tetrachloro-m-xylene [2]	100	30-150		9/16/17 16:09

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0112

Date Received: 9/5/2017

Field Sample #: WS-AOC12E-SO-35-3 Sampled: 9/5/2017 14:05

Sample ID: 17I0112-08

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	83.9		% Wt	1		SM 2540G	9/6/17	9/7/17 8:08	MRL

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0112

Date Received: 9/5/2017

Field Sample #: WS-AOC12E-SO-21-1 Sampled: 9/5/2017 14:00

Sample ID: 17I0112-09

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.20	mg/Kg dry	1		SW-846 8270D	9/11/17	9/12/17 18:24	BGL
Acenaphthylene	ND	0.20	mg/Kg dry	1		SW-846 8270D	9/11/17	9/12/17 18:24	BGL
Anthracene	ND	0.20	mg/Kg dry	1		SW-846 8270D	9/11/17	9/12/17 18:24	BGL
Benzo(a)anthracene	0.32	0.20	mg/Kg dry	1		SW-846 8270D	9/11/17	9/12/17 18:24	BGL
Benzo(a)pyrene	0.27	0.20	mg/Kg dry	1		SW-846 8270D	9/11/17	9/12/17 18:24	BGL
Benzo(b)fluoranthene	0.41	0.20	mg/Kg dry	1		SW-846 8270D	9/11/17	9/12/17 18:24	BGL
Benzo(g,h,i)perylene	ND	0.20	mg/Kg dry	1		SW-846 8270D	9/11/17	9/12/17 18:24	BGL
Benzo(k)fluoranthene	ND	0.20	mg/Kg dry	1		SW-846 8270D	9/11/17	9/12/17 18:24	BGL
Chrysene	0.45	0.20	mg/Kg dry	1		SW-846 8270D	9/11/17	9/12/17 18:24	BGL
Dibenz(a,h)anthracene	ND	0.20	mg/Kg dry	1		SW-846 8270D	9/11/17	9/12/17 18:24	BGL
Fluoranthene	0.68	0.20	mg/Kg dry	1		SW-846 8270D	9/11/17	9/12/17 18:24	BGL
Fluorene	ND	0.20	mg/Kg dry	1		SW-846 8270D	9/11/17	9/12/17 18:24	BGL
Indeno(1,2,3-cd)pyrene	ND	0.20	mg/Kg dry	1		SW-846 8270D	9/11/17	9/12/17 18:24	BGL
2-Methylnaphthalene	ND	0.20	mg/Kg dry	1		SW-846 8270D	9/11/17	9/12/17 18:24	BGL
Naphthalene	ND	0.20	mg/Kg dry	1		SW-846 8270D	9/11/17	9/12/17 18:24	BGL
Phenanthrene	0.47	0.20	mg/Kg dry	1		SW-846 8270D	9/11/17	9/12/17 18:24	BGL
Pyrene	0.56	0.20	mg/Kg dry	1		SW-846 8270D	9/11/17	9/12/17 18:24	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Nitrobenzene-d5	44.9	30-130		9/12/17 18:24
2-Fluorobiphenyl	53.0	30-130		9/12/17 18:24
p-Terphenyl-d14	60.1	30-130		9/12/17 18:24

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0112

Date Received: 9/5/2017

Field Sample #: WS-AOC12E-SO-21-1 Sampled: 9/5/2017 14:00

Sample ID: 17I0112-09

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 16:27	JMB
Aroclor-1221 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 16:27	JMB
Aroclor-1232 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 16:27	JMB
Aroclor-1242 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 16:27	JMB
Aroclor-1248 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 16:27	JMB
Aroclor-1254 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 16:27	JMB
Aroclor-1260 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 16:27	JMB
Aroclor-1262 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 16:27	JMB
Aroclor-1268 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 16:27	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	78.2	30-150		9/16/17 16:27
Decachlorobiphenyl [2]	84.8	30-150		9/16/17 16:27
Tetrachloro-m-xylene [1]	86.6	30-150		9/16/17 16:27
Tetrachloro-m-xylene [2]	91.5	30-150		9/16/17 16:27

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0112

Date Received: 9/5/2017

Field Sample #: WS-AOC12E-SO-21-1 Sampled: 9/5/2017 14:00

Sample ID: 17I0112-09

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	83.3		% Wt	1		SM 2540G	9/6/17	9/7/17 8:08	MRL

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0112

Date Received: 9/5/2017

Field Sample #: WS-AOC12E-SO-21-2 Sampled: 9/5/2017 14:01

Sample ID: 17I0112-10

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.097	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 17:32	JMB
Aroclor-1221 [1]	ND	0.097	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 17:32	JMB
Aroclor-1232 [1]	ND	0.097	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 17:32	JMB
Aroclor-1242 [1]	ND	0.097	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 17:32	JMB
Aroclor-1248 [1]	ND	0.097	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 17:32	JMB
Aroclor-1254 [1]	ND	0.097	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 17:32	JMB
Aroclor-1260 [1]	ND	0.097	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 17:32	JMB
Aroclor-1262 [1]	ND	0.097	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 17:32	JMB
Aroclor-1268 [1]	ND	0.097	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 17:32	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	90.5	30-150		9/16/17 17:32
Decachlorobiphenyl [2]	99.8	30-150		9/16/17 17:32
Tetrachloro-m-xylene [1]	94.4	30-150		9/16/17 17:32
Tetrachloro-m-xylene [2]	100	30-150		9/16/17 17:32

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0112

Date Received: 9/5/2017

Field Sample #: WS-AOC12E-SO-21-2 Sampled: 9/5/2017 14:01

Sample ID: 17I0112-10

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	200	62	mg/Kg dry	5		CTDEP ETPH	9/11/17	9/12/17 22:13	SCS

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
o-Terphenyl	92.9	50-150		9/12/17 22:13

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0112

Date Received: 9/5/2017

Field Sample #: WS-AOC12E-SO-21-2 Sampled: 9/5/2017 14:01

Sample ID: 17I0112-10

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	80.8		% Wt	1		SM 2540G	9/6/17	9/7/17 8:08	MRL

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0112

Date Received: 9/5/2017

Field Sample #: WS-AOC12E-SO-21-3 Sampled: 9/5/2017 14:02

Sample ID: 17I0112-11

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 17:49	JMB
Aroclor-1221 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 17:49	JMB
Aroclor-1232 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 17:49	JMB
Aroclor-1242 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 17:49	JMB
Aroclor-1248 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 17:49	JMB
Aroclor-1254 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 17:49	JMB
Aroclor-1260 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 17:49	JMB
Aroclor-1262 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 17:49	JMB
Aroclor-1268 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 17:49	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	86.2	30-150		9/16/17 17:49
Decachlorobiphenyl [2]	92.2	30-150		9/16/17 17:49
Tetrachloro-m-xylene [1]	89.8	30-150		9/16/17 17:49
Tetrachloro-m-xylene [2]	92.4	30-150		9/16/17 17:49

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0112

Date Received: 9/5/2017

Field Sample #: WS-AOC12E-SO-21-3 Sampled: 9/5/2017 14:02

Sample ID: 17I0112-11

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	83.2		% Wt	1		SM 2540G	9/6/17	9/7/17 8:08	MRL

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0112

Date Received: 9/5/2017

Field Sample #: WS-AOC12E-SO-25-1 Sampled: 9/5/2017 14:14

Sample ID: 17I0112-12

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 18:07	JMB
Aroclor-1221 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 18:07	JMB
Aroclor-1232 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 18:07	JMB
Aroclor-1242 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 18:07	JMB
Aroclor-1248 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 18:07	JMB
Aroclor-1254 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 18:07	JMB
Aroclor-1260 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 18:07	JMB
Aroclor-1262 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 18:07	JMB
Aroclor-1268 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 18:07	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	95.6	30-150		9/16/17 18:07
Decachlorobiphenyl [2]	102	30-150		9/16/17 18:07
Tetrachloro-m-xylene [1]	110	30-150		9/16/17 18:07
Tetrachloro-m-xylene [2]	118	30-150		9/16/17 18:07

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0112

Date Received: 9/5/2017

Field Sample #: WS-AOC12E-SO-25-1 Sampled: 9/5/2017 14:14

Sample ID: 17I0112-12

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	93.6		% Wt	1		SM 2540G	9/6/17	9/7/17 8:08	MRL

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0112

Date Received: 9/5/2017

Field Sample #: WS-AOC12E-SO-25-2 Sampled: 9/5/2017 14:15

Sample ID: 17I0112-13

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.098	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 18:24	JMB
Aroclor-1221 [1]	ND	0.098	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 18:24	JMB
Aroclor-1232 [1]	ND	0.098	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 18:24	JMB
Aroclor-1242 [1]	ND	0.098	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 18:24	JMB
Aroclor-1248 [1]	ND	0.098	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 18:24	JMB
Aroclor-1254 [1]	ND	0.098	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 18:24	JMB
Aroclor-1260 [1]	ND	0.098	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 18:24	JMB
Aroclor-1262 [1]	ND	0.098	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 18:24	JMB
Aroclor-1268 [1]	ND	0.098	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 18:24	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	88.4	30-150		9/16/17 18:24
Decachlorobiphenyl [2]	94.8	30-150		9/16/17 18:24
Tetrachloro-m-xylene [1]	96.3	30-150		9/16/17 18:24
Tetrachloro-m-xylene [2]	107	30-150		9/16/17 18:24

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0112

Date Received: 9/5/2017

Field Sample #: WS-AOC12E-SO-25-2 Sampled: 9/5/2017 14:15

Sample ID: 17I0112-13

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	23	12	mg/Kg dry	1		CTDEP ETPH	9/11/17	9/12/17 18:57	SCS

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
o-Terphenyl	82.0	50-150		9/12/17 18:57

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0112

Date Received: 9/5/2017

Field Sample #: WS-AOC12E-SO-25-2 Sampled: 9/5/2017 14:15

Sample ID: 17I0112-13

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	81.8		% Wt	1		SM 2540G	9/6/17	9/7/17 8:08	MRL

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0112

Date Received: 9/5/2017

Field Sample #: WS-AOC12E-SO-25-3 Sampled: 9/5/2017 14:16

Sample ID: 17I0112-14

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 18:42	JMB
Aroclor-1221 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 18:42	JMB
Aroclor-1232 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 18:42	JMB
Aroclor-1242 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 18:42	JMB
Aroclor-1248 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 18:42	JMB
Aroclor-1254 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 18:42	JMB
Aroclor-1260 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 18:42	JMB
Aroclor-1262 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 18:42	JMB
Aroclor-1268 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 18:42	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	85.4	30-150		9/16/17 18:42
Decachlorobiphenyl [2]	94.3	30-150		9/16/17 18:42
Tetrachloro-m-xylene [1]	87.7	30-150		9/16/17 18:42
Tetrachloro-m-xylene [2]	93.1	30-150		9/16/17 18:42

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0112

Date Received: 9/5/2017

Field Sample #: WS-AOC12E-SO-25-3 Sampled: 9/5/2017 14:16

Sample ID: 17I0112-14

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	72.8		% Wt	1		SM 2540G	9/6/17	9/7/17 8:08	MRL

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0112

Date Received: 9/5/2017

Field Sample #: WS-AOC15-SO-1-1 Sampled: 9/5/2017 14:27

Sample ID: 17I0112-15

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 18:59	JMB
Aroclor-1221 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 18:59	JMB
Aroclor-1232 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 18:59	JMB
Aroclor-1242 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 18:59	JMB
Aroclor-1248 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 18:59	JMB
Aroclor-1254 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 18:59	JMB
Aroclor-1260 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 18:59	JMB
Aroclor-1262 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 18:59	JMB
Aroclor-1268 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 18:59	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	88.4	30-150		9/16/17 18:59
Decachlorobiphenyl [2]	98.6	30-150		9/16/17 18:59
Tetrachloro-m-xylene [1]	95.9	30-150		9/16/17 18:59
Tetrachloro-m-xylene [2]	102	30-150		9/16/17 18:59

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0112

Date Received: 9/5/2017

Field Sample #: WS-AOC15-SO-1-1 Sampled: 9/5/2017 14:27

Sample ID: 17I0112-15

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	220	120	mg/Kg dry	10		CTDEP ETPH	9/11/17	9/12/17 22:31	SCS

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
o-Terphenyl	51.4	50-150		9/12/17 22:31

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0112

Date Received: 9/5/2017

Field Sample #: WS-AOC15-SO-1-1 Sampled: 9/5/2017 14:27

Sample ID: 17I0112-15

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	83.7		% Wt	1		SM 2540G	9/6/17	9/7/17 8:08	MRL

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0112

Date Received: 9/5/2017

Field Sample #: WS-AOC15-SO-1-2 Sampled: 9/5/2017 14:28

Sample ID: 17I0112-16

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.099	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 19:16	JMB
Aroclor-1221 [1]	ND	0.099	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 19:16	JMB
Aroclor-1232 [1]	ND	0.099	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 19:16	JMB
Aroclor-1242 [1]	ND	0.099	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 19:16	JMB
Aroclor-1248 [1]	ND	0.099	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 19:16	JMB
Aroclor-1254 [1]	ND	0.099	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 19:16	JMB
Aroclor-1260 [1]	ND	0.099	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 19:16	JMB
Aroclor-1262 [1]	ND	0.099	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 19:16	JMB
Aroclor-1268 [1]	ND	0.099	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 19:16	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	86.9	30-150		9/16/17 19:16
Decachlorobiphenyl [2]	102	30-150		9/16/17 19:16
Tetrachloro-m-xylene [1]	94.2	30-150		9/16/17 19:16
Tetrachloro-m-xylene [2]	89.6	30-150		9/16/17 19:16

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0112

Date Received: 9/5/2017

Field Sample #: WS-AOC15-SO-1-2 Sampled: 9/5/2017 14:28

Sample ID: 17I0112-16

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	80.8		% Wt	1		SM 2540G	9/6/17	9/7/17 8:08	MRL

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0112

Date Received: 9/5/2017

Field Sample #: WS-AOC15-SO-1-3 Sampled: 9/5/2017 14:29

Sample ID: 17I0112-17

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.097	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 19:34	JMB
Aroclor-1221 [1]	ND	0.097	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 19:34	JMB
Aroclor-1232 [1]	ND	0.097	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 19:34	JMB
Aroclor-1242 [1]	ND	0.097	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 19:34	JMB
Aroclor-1248 [1]	ND	0.097	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 19:34	JMB
Aroclor-1254 [1]	ND	0.097	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 19:34	JMB
Aroclor-1260 [1]	ND	0.097	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 19:34	JMB
Aroclor-1262 [1]	ND	0.097	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 19:34	JMB
Aroclor-1268 [1]	ND	0.097	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 19:34	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	74.4	30-150		9/16/17 19:34
Decachlorobiphenyl [2]	80.4	30-150		9/16/17 19:34
Tetrachloro-m-xylene [1]	80.3	30-150		9/16/17 19:34
Tetrachloro-m-xylene [2]	85.3	30-150		9/16/17 19:34

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0112

Date Received: 9/5/2017

Field Sample #: WS-AOC15-SO-1-3 Sampled: 9/5/2017 14:29

Sample ID: 17I0112-17

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	82.6		% Wt	1		SM 2540G	9/6/17	9/7/17 8:08	MRL

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0112

Date Received: 9/5/2017

Field Sample #: WS-AOC12E-SO-42-1 Sampled: 9/5/2017 14:59

Sample ID: 17I0112-18

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 19:51	JMB
Aroclor-1221 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 19:51	JMB
Aroclor-1232 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 19:51	JMB
Aroclor-1242 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 19:51	JMB
Aroclor-1248 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 19:51	JMB
Aroclor-1254 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 19:51	JMB
Aroclor-1260 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 19:51	JMB
Aroclor-1262 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 19:51	JMB
Aroclor-1268 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 19:51	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	82.7	30-150		9/16/17 19:51
Decachlorobiphenyl [2]	89.4	30-150		9/16/17 19:51
Tetrachloro-m-xylene [1]	92.2	30-150		9/16/17 19:51
Tetrachloro-m-xylene [2]	93.5	30-150		9/16/17 19:51

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0112

Date Received: 9/5/2017

Field Sample #: WS-AOC12E-SO-42-1 Sampled: 9/5/2017 14:59

Sample ID: 17I0112-18

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	93.6		% Wt	1		SM 2540G	9/6/17	9/7/17 8:08	MRL

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0112

Date Received: 9/5/2017

Field Sample #: WS-AOC12E-SO-42-2 Sampled: 9/5/2017 15:00

Sample ID: 17I0112-19

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 20:09	JMB
Aroclor-1221 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 20:09	JMB
Aroclor-1232 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 20:09	JMB
Aroclor-1242 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 20:09	JMB
Aroclor-1248 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 20:09	JMB
Aroclor-1254 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 20:09	JMB
Aroclor-1260 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 20:09	JMB
Aroclor-1262 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 20:09	JMB
Aroclor-1268 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 20:09	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	62.7	30-150		9/16/17 20:09
Decachlorobiphenyl [2]	67.8	30-150		9/16/17 20:09
Tetrachloro-m-xylene [1]	81.2	30-150		9/16/17 20:09
Tetrachloro-m-xylene [2]	96.9	30-150		9/16/17 20:09

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0112

Date Received: 9/5/2017

Field Sample #: WS-AOC12E-SO-42-2 Sampled: 9/5/2017 15:00

Sample ID: 17I0112-19

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	120	110	mg/Kg dry	10		CTDEP ETPH	9/11/17	9/12/17 22:48	SCS

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
o-Terphenyl	88.4	50-150		9/12/17 22:48

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0112

Date Received: 9/5/2017

Field Sample #: WS-AOC12E-SO-42-2 Sampled: 9/5/2017 15:00

Sample ID: 17I0112-19

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	93.0		% Wt	1		SM 2540G	9/6/17	9/7/17 8:08	MRL

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0112

Date Received: 9/5/2017

Field Sample #: WS-AOC12E-SO-42-3 Sampled: 9/5/2017 15:01

Sample ID: 17I0112-20

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 20:26	JMB
Aroclor-1221 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 20:26	JMB
Aroclor-1232 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 20:26	JMB
Aroclor-1242 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 20:26	JMB
Aroclor-1248 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 20:26	JMB
Aroclor-1254 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 20:26	JMB
Aroclor-1260 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 20:26	JMB
Aroclor-1262 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 20:26	JMB
Aroclor-1268 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 20:26	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	58.9	30-150		9/16/17 20:26
Decachlorobiphenyl [2]	64.4	30-150		9/16/17 20:26
Tetrachloro-m-xylene [1]	70.4	30-150		9/16/17 20:26
Tetrachloro-m-xylene [2]	65.6	30-150		9/16/17 20:26

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0112

Date Received: 9/5/2017

Field Sample #: WS-AOC12E-SO-42-3 Sampled: 9/5/2017 15:01

Sample ID: 17I0112-20

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	75.4		% Wt	1		SM 2540G	9/6/17	9/7/17 8:08	MRL

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0112

Date Received: 9/5/2017

Field Sample #: WS-AOC12E-SO-Dup47 Sampled: 9/5/2017 00:00

Sample ID: 17I0112-21

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	9/8/17	9/11/17 18:49	TG
Aroclor-1221 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	9/8/17	9/11/17 18:49	TG
Aroclor-1232 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	9/8/17	9/11/17 18:49	TG
Aroclor-1242 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	9/8/17	9/11/17 18:49	TG
Aroclor-1248 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	9/8/17	9/11/17 18:49	TG
Aroclor-1254 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	9/8/17	9/11/17 18:49	TG
Aroclor-1260 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	9/8/17	9/11/17 18:49	TG
Aroclor-1262 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	9/8/17	9/11/17 18:49	TG
Aroclor-1268 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	9/8/17	9/11/17 18:49	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	73.6	30-150		9/11/17 18:49
Decachlorobiphenyl [2]	89.8	30-150		9/11/17 18:49
Tetrachloro-m-xylene [1]	83.6	30-150		9/11/17 18:49
Tetrachloro-m-xylene [2]	77.2	30-150		9/11/17 18:49

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0112

Date Received: 9/5/2017

Field Sample #: WS-AOC12E-SO-Dup47 Sampled: 9/5/2017 00:00

Sample ID: 17I0112-21

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	76.9		% Wt	1		SM 2540G	9/6/17	9/7/17 8:08	MRL

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0112

Date Received: 9/5/2017

Field Sample #: Equipment Blank - 61 Sampled: 9/5/2017 12:00

Sample ID: 17I0112-22

Sample Matrix: Equipment Blank Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene (SIM)	ND	0.30	µg/L	1		SW-846 8270D	9/12/17	9/14/17 17:06	CJM
Acenaphthylene (SIM)	ND	0.30	µg/L	1		SW-846 8270D	9/12/17	9/14/17 17:06	CJM
Anthracene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	9/12/17	9/14/17 17:06	CJM
Benzo(a)anthracene (SIM)	ND	0.050	µg/L	1		SW-846 8270D	9/12/17	9/14/17 17:06	CJM
Benzo(a)pyrene (SIM)	ND	0.10	µg/L	1		SW-846 8270D	9/12/17	9/14/17 17:06	CJM
Benzo(b)fluoranthene (SIM)	ND	0.050	µg/L	1		SW-846 8270D	9/12/17	9/14/17 17:06	CJM
Benzo(g,h,i)perylene (SIM)	ND	0.50	µg/L	1		SW-846 8270D	9/12/17	9/14/17 17:06	CJM
Benzo(k)fluoranthene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	9/12/17	9/14/17 17:06	CJM
Chrysene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	9/12/17	9/14/17 17:06	CJM
Dibenz(a,h)anthracene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	9/12/17	9/14/17 17:06	CJM
Fluoranthene (SIM)	ND	0.50	µg/L	1		SW-846 8270D	9/12/17	9/14/17 17:06	CJM
Fluorene (SIM)	ND	1.0	µg/L	1		SW-846 8270D	9/12/17	9/14/17 17:06	CJM
Indeno(1,2,3-cd)pyrene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	9/12/17	9/14/17 17:06	CJM
2-Methylnaphthalene (SIM)	ND	1.0	µg/L	1		SW-846 8270D	9/12/17	9/14/17 17:06	CJM
Naphthalene (SIM)	ND	1.0	µg/L	1		SW-846 8270D	9/12/17	9/14/17 17:06	CJM
Phenanthrene (SIM)	ND	0.050	µg/L	1		SW-846 8270D	9/12/17	9/14/17 17:06	CJM
Pyrene (SIM)	ND	1.0	µg/L	1		SW-846 8270D	9/12/17	9/14/17 17:06	CJM

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Nitrobenzene-d5	85.5	30-130		9/14/17 17:06
2-Fluorobiphenyl	80.0	30-130		9/14/17 17:06
p-Terphenyl-d14	80.2	30-130		9/14/17 17:06

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0112

Date Received: 9/5/2017

Field Sample #: Equipment Blank - 61 Sampled: 9/5/2017 12:00

Sample ID: 17I0112-22

Sample Matrix: Equipment Blank Water

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/11/17	9/14/17 17:16	JMB
Aroclor-1221 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/11/17	9/14/17 17:16	JMB
Aroclor-1232 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/11/17	9/14/17 17:16	JMB
Aroclor-1242 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/11/17	9/14/17 17:16	JMB
Aroclor-1248 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/11/17	9/14/17 17:16	JMB
Aroclor-1254 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/11/17	9/14/17 17:16	JMB
Aroclor-1260 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/11/17	9/14/17 17:16	JMB
Aroclor-1262 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/11/17	9/14/17 17:16	JMB
Aroclor-1268 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/11/17	9/14/17 17:16	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	74.3	30-150		9/14/17 17:16
Decachlorobiphenyl [2]	74.0	30-150		9/14/17 17:16
Tetrachloro-m-xylene [1]	95.5	30-150		9/14/17 17:16
Tetrachloro-m-xylene [2]	79.0	30-150		9/14/17 17:16

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0112

Date Received: 9/5/2017

Field Sample #: Equipment Blank - 61 Sampled: 9/5/2017 12:00

Sample ID: 17I0112-22

Sample Matrix: Equipment Blank Water

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	ND	0.075	mg/L	1		CTDEP ETPH	9/11/17	9/12/17 21:02	SCS

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
o-Terphenyl	73.7	50-150		9/12/17 21:02

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0112

Date Received: 9/5/2017

Field Sample #: Equipment Blank - 62 Sampled: 9/5/2017 12:20

Sample ID: 17I0112-23

Sample Matrix: Equipment Blank Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene (SIM)	ND	0.30	µg/L	1		SW-846 8270D	9/12/17	9/14/17 17:35	CJM
Acenaphthylene (SIM)	ND	0.30	µg/L	1		SW-846 8270D	9/12/17	9/14/17 17:35	CJM
Anthracene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	9/12/17	9/14/17 17:35	CJM
Benzo(a)anthracene (SIM)	ND	0.050	µg/L	1		SW-846 8270D	9/12/17	9/14/17 17:35	CJM
Benzo(a)pyrene (SIM)	ND	0.10	µg/L	1		SW-846 8270D	9/12/17	9/14/17 17:35	CJM
Benzo(b)fluoranthene (SIM)	ND	0.050	µg/L	1		SW-846 8270D	9/12/17	9/14/17 17:35	CJM
Benzo(g,h,i)perylene (SIM)	ND	0.50	µg/L	1		SW-846 8270D	9/12/17	9/14/17 17:35	CJM
Benzo(k)fluoranthene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	9/12/17	9/14/17 17:35	CJM
Chrysene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	9/12/17	9/14/17 17:35	CJM
Dibenz(a,h)anthracene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	9/12/17	9/14/17 17:35	CJM
Fluoranthene (SIM)	ND	0.50	µg/L	1		SW-846 8270D	9/12/17	9/14/17 17:35	CJM
Fluorene (SIM)	ND	1.0	µg/L	1		SW-846 8270D	9/12/17	9/14/17 17:35	CJM
Indeno(1,2,3-cd)pyrene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	9/12/17	9/14/17 17:35	CJM
2-Methylnaphthalene (SIM)	ND	1.0	µg/L	1		SW-846 8270D	9/12/17	9/14/17 17:35	CJM
Naphthalene (SIM)	ND	1.0	µg/L	1		SW-846 8270D	9/12/17	9/14/17 17:35	CJM
Phenanthrene (SIM)	ND	0.050	µg/L	1		SW-846 8270D	9/12/17	9/14/17 17:35	CJM
Pyrene (SIM)	ND	1.0	µg/L	1		SW-846 8270D	9/12/17	9/14/17 17:35	CJM

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Nitrobenzene-d5	86.7	30-130		9/14/17 17:35
2-Fluorobiphenyl	83.4	30-130		9/14/17 17:35
p-Terphenyl-d14	81.6	30-130		9/14/17 17:35

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0112

Date Received: 9/5/2017

Field Sample #: Equipment Blank - 62 Sampled: 9/5/2017 12:20

Sample ID: 17I0112-23

Sample Matrix: Equipment Blank Water

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/11/17	9/14/17 17:28	JMB
Aroclor-1221 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/11/17	9/14/17 17:28	JMB
Aroclor-1232 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/11/17	9/14/17 17:28	JMB
Aroclor-1242 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/11/17	9/14/17 17:28	JMB
Aroclor-1248 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/11/17	9/14/17 17:28	JMB
Aroclor-1254 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/11/17	9/14/17 17:28	JMB
Aroclor-1260 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/11/17	9/14/17 17:28	JMB
Aroclor-1262 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/11/17	9/14/17 17:28	JMB
Aroclor-1268 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/11/17	9/14/17 17:28	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	84.5	30-150		9/14/17 17:28
Decachlorobiphenyl [2]	79.1	30-150		9/14/17 17:28
Tetrachloro-m-xylene [1]	104	30-150		9/14/17 17:28
Tetrachloro-m-xylene [2]	79.6	30-150		9/14/17 17:28

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0112

Date Received: 9/5/2017

Field Sample #: Equipment Blank - 62 Sampled: 9/5/2017 12:20

Sample ID: 17I0112-23

Sample Matrix: Equipment Blank Water

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	ND	0.075	mg/L	1		CTDEP ETPH	9/11/17	9/12/17 21:20	SCS

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
o-Terphenyl	81.8	50-150		9/12/17 21:20

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Sample Extraction Data

Prep Method: SW-846 3546-CTDEP ETPH

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17I0112-01 [WS-AOC12E-SO-5-1]	B185921	30.0	1.00	09/11/17
17I0112-03 [WS-AOC12E-SO-17-1]	B185921	30.0	1.00	09/11/17
17I0112-06 [WS-AOC12E-SO-35-1]	B185921	30.0	2.00	09/11/17
17I0112-10 [WS-AOC12E-SO-21-2]	B185921	30.0	1.00	09/11/17
17I0112-13 [WS-AOC12E-SO-25-2]	B185921	30.0	1.00	09/11/17
17I0112-15 [WS-AOC15-SO-1-1]	B185921	30.0	1.00	09/11/17
17I0112-19 [WS-AOC12E-SO-42-2]	B185921	30.0	1.00	09/11/17

Prep Method: SW-846 3510C-CTDEP ETPH

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
17I0112-22 [Equipment Blank - 61]	B185892	1000	1.00	09/11/17
17I0112-23 [Equipment Blank - 62]	B185892	1000	1.00	09/11/17

Prep Method: % Solids-SM 2540G

Lab Number [Field ID]	Batch	Date
17I0112-01 [WS-AOC12E-SO-5-1]	B185594	09/06/17
17I0112-02 [WS-AOC12E-SO-5-2]	B185594	09/06/17
17I0112-03 [WS-AOC12E-SO-17-1]	B185594	09/06/17
17I0112-04 [WS-AOC12E-SO-17-2]	B185594	09/06/17
17I0112-05 [WS-AOC12E-SO-17-3]	B185594	09/06/17
17I0112-06 [WS-AOC12E-SO-35-1]	B185594	09/06/17
17I0112-07 [WS-AOC12E-SO-35-2]	B185594	09/06/17
17I0112-08 [WS-AOC12E-SO-35-3]	B185594	09/06/17
17I0112-09 [WS-AOC12E-SO-21-1]	B185594	09/06/17
17I0112-10 [WS-AOC12E-SO-21-2]	B185594	09/06/17
17I0112-11 [WS-AOC12E-SO-21-3]	B185594	09/06/17
17I0112-12 [WS-AOC12E-SO-25-1]	B185594	09/06/17
17I0112-13 [WS-AOC12E-SO-25-2]	B185594	09/06/17
17I0112-14 [WS-AOC12E-SO-25-3]	B185594	09/06/17
17I0112-15 [WS-AOC15-SO-1-1]	B185594	09/06/17
17I0112-16 [WS-AOC15-SO-1-2]	B185594	09/06/17
17I0112-17 [WS-AOC15-SO-1-3]	B185594	09/06/17
17I0112-18 [WS-AOC12E-SO-42-1]	B185594	09/06/17
17I0112-19 [WS-AOC12E-SO-42-2]	B185594	09/06/17
17I0112-20 [WS-AOC12E-SO-42-3]	B185594	09/06/17
17I0112-21 [WS-AOC12E-SO-Dup47]	B185594	09/06/17

Prep Method: SW-846 3540C-SW-846 8082A

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17I0112-21 [WS-AOC12E-SO-Dup47]	B185830	10.0	10.0	09/08/17

Prep Method: SW-846 3540C-SW-846 8082A

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17I0112-01 [WS-AOC12E-SO-5-1]	B185867	10.0	10.0	09/10/17
17I0112-02 [WS-AOC12E-SO-5-2]	B185867	10.0	10.0	09/10/17
17I0112-03 [WS-AOC12E-SO-17-1]	B185867	10.0	10.0	09/10/17

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Sample Extraction Data

Prep Method: SW-846 3540C-SW-846 8082A

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17I0112-04 [WS-AOC12E-SO-17-2]	B185867	10.0	10.0	09/10/17
17I0112-05 [WS-AOC12E-SO-17-3]	B185867	10.1	10.0	09/10/17
17I0112-06 [WS-AOC12E-SO-35-1]	B185867	10.1	10.0	09/10/17
17I0112-07 [WS-AOC12E-SO-35-2]	B185867	10.1	10.0	09/10/17
17I0112-08 [WS-AOC12E-SO-35-3]	B185867	10.0	10.0	09/10/17
17I0112-09 [WS-AOC12E-SO-21-1]	B185867	10.2	10.0	09/10/17
17I0112-10 [WS-AOC12E-SO-21-2]	B185867	10.2	10.0	09/10/17
17I0112-11 [WS-AOC12E-SO-21-3]	B185867	10.2	10.0	09/10/17
17I0112-12 [WS-AOC12E-SO-25-1]	B185867	10.4	10.0	09/10/17
17I0112-13 [WS-AOC12E-SO-25-2]	B185867	10.0	10.0	09/10/17
17I0112-14 [WS-AOC12E-SO-25-3]	B185867	10.5	10.0	09/10/17
17I0112-15 [WS-AOC15-SO-1-1]	B185867	10.1	10.0	09/10/17
17I0112-16 [WS-AOC15-SO-1-2]	B185867	10.0	10.0	09/10/17
17I0112-17 [WS-AOC15-SO-1-3]	B185867	10.0	10.0	09/10/17
17I0112-18 [WS-AOC12E-SO-42-1]	B185867	10.0	10.0	09/10/17
17I0112-19 [WS-AOC12E-SO-42-2]	B185867	10.1	10.0	09/10/17
17I0112-20 [WS-AOC12E-SO-42-3]	B185867	10.4	10.0	09/10/17

Prep Method: SW-846 3510C-SW-846 8082A

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
17I0112-22 [Equipment Blank - 61]	B185890	1000	10.0	09/11/17
17I0112-23 [Equipment Blank - 62]	B185890	1000	10.0	09/11/17

Prep Method: SW-846 3546-SW-846 8270D

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17I0112-07 [WS-AOC12E-SO-35-2]	B185922	30.0	2.00	09/11/17
17I0112-09 [WS-AOC12E-SO-21-1]	B185922	30.0	1.00	09/11/17

Prep Method: SW-846 3510C-SW-846 8270D

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
17I0112-22 [Equipment Blank - 61]	B185977	1000	1.00	09/12/17
17I0112-23 [Equipment Blank - 62]	B185977	1000	1.00	09/12/17

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B185922 - SW-846 3546										
Blank (B185922-BLK1)				Prepared: 09/11/17 Analyzed: 09/12/17						
Acenaphthene	ND	0.17	mg/Kg wet							
Acenaphthylene	ND	0.17	mg/Kg wet							
Anthracene	ND	0.17	mg/Kg wet							
Benzo(a)anthracene	ND	0.17	mg/Kg wet							
Benzo(a)pyrene	ND	0.17	mg/Kg wet							
Benzo(b)fluoranthene	ND	0.17	mg/Kg wet							
Benzo(g,h,i)perylene	ND	0.17	mg/Kg wet							
Benzo(k)fluoranthene	ND	0.17	mg/Kg wet							
Chrysene	ND	0.17	mg/Kg wet							
Dibenz(a,h)anthracene	ND	0.17	mg/Kg wet							
Fluoranthene	ND	0.17	mg/Kg wet							
Fluorene	ND	0.17	mg/Kg wet							
Indeno(1,2,3-cd)pyrene	ND	0.17	mg/Kg wet							
2-Methylnaphthalene	ND	0.17	mg/Kg wet							
Naphthalene	ND	0.17	mg/Kg wet							
Phenanthrene	ND	0.17	mg/Kg wet							
Pyrene	ND	0.17	mg/Kg wet							
Surrogate: Nitrobenzene-d5	*2.10*		mg/Kg wet	3.33		63.1	30-130			
Surrogate: 2-Fluorobiphenyl	*2.35*		mg/Kg wet	3.33		70.6	30-130			
Surrogate: p-Terphenyl-d14	*2.99*		mg/Kg wet	3.33		89.8	30-130			
LCS (B185922-BS1)				Prepared: 09/11/17 Analyzed: 09/12/17						
Acenaphthene	0.960	0.17	mg/Kg wet	1.67		57.6	40-140			
Acenaphthylene	0.963	0.17	mg/Kg wet	1.67		57.8	40-140			
Anthracene	1.05	0.17	mg/Kg wet	1.67		63.1	40-140			
Benzo(a)anthracene	1.12	0.17	mg/Kg wet	1.67		67.1	40-140			
Benzo(a)pyrene	1.08	0.17	mg/Kg wet	1.67		65.0	40-140			
Benzo(b)fluoranthene	1.03	0.17	mg/Kg wet	1.67		61.7	40-140			
Benzo(g,h,i)perylene	0.926	0.17	mg/Kg wet	1.67		55.6	40-140			
Benzo(k)fluoranthene	1.03	0.17	mg/Kg wet	1.67		61.9	40-140			
Chrysene	1.05	0.17	mg/Kg wet	1.67		62.8	40-140			
Dibenz(a,h)anthracene	1.03	0.17	mg/Kg wet	1.67		61.7	40-140			
Fluoranthene	1.06	0.17	mg/Kg wet	1.67		63.5	40-140			
Fluorene	1.02	0.17	mg/Kg wet	1.67		61.5	40-140			
Indeno(1,2,3-cd)pyrene	1.02	0.17	mg/Kg wet	1.67		60.9	40-140			
2-Methylnaphthalene	1.06	0.17	mg/Kg wet	1.67		63.4	40-140			
Naphthalene	0.987	0.17	mg/Kg wet	1.67		59.2	40-140			
Phenanthrene	1.05	0.17	mg/Kg wet	1.67		63.2	40-140			
Pyrene	1.06	0.17	mg/Kg wet	1.67		63.7	40-140			
Surrogate: Nitrobenzene-d5	*2.22*		mg/Kg wet	3.33		66.5	30-130			
Surrogate: 2-Fluorobiphenyl	*2.46*		mg/Kg wet	3.33		73.7	30-130			
Surrogate: p-Terphenyl-d14	*2.62*		mg/Kg wet	3.33		78.7	30-130			

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B185922 - SW-846 3546										
LCS Dup (B185922-BSD1)				Prepared: 09/11/17 Analyzed: 09/12/17						
Acenaphthene	1.04	0.17	mg/Kg wet	1.67		62.5	40-140	8.16	30	
Acenaphthylene	1.04	0.17	mg/Kg wet	1.67		62.6	40-140	8.07	30	
Anthracene	1.12	0.17	mg/Kg wet	1.67		67.5	40-140	6.77	30	
Benzo(a)anthracene	1.20	0.17	mg/Kg wet	1.67		72.0	40-140	7.16	30	
Benzo(a)pyrene	1.16	0.17	mg/Kg wet	1.67		69.3	40-140	6.34	30	
Benzo(b)fluoranthene	1.12	0.17	mg/Kg wet	1.67		67.5	40-140	8.88	30	
Benzo(g,h,i)perylene	1.07	0.17	mg/Kg wet	1.67		64.3	40-140	14.5	30	
Benzo(k)fluoranthene	1.12	0.17	mg/Kg wet	1.67		67.2	40-140	8.21	30	
Chrysene	1.13	0.17	mg/Kg wet	1.67		67.6	40-140	7.42	30	
Dibenz(a,h)anthracene	1.10	0.17	mg/Kg wet	1.67		66.2	40-140	6.94	30	
Fluoranthene	1.14	0.17	mg/Kg wet	1.67		68.2	40-140	7.20	30	
Fluorene	1.10	0.17	mg/Kg wet	1.67		66.3	40-140	7.58	30	
Indeno(1,2,3-cd)pyrene	1.09	0.17	mg/Kg wet	1.67		65.5	40-140	7.31	30	
2-Methylnaphthalene	1.18	0.17	mg/Kg wet	1.67		71.0	40-140	11.3	30	
Naphthalene	1.09	0.17	mg/Kg wet	1.67		65.5	40-140	10.0	30	
Phenanthrene	1.15	0.17	mg/Kg wet	1.67		69.0	40-140	8.74	30	
Pyrene	1.16	0.17	mg/Kg wet	1.67		69.7	40-140	9.00	30	
Surrogate: Nitrobenzene-d5	*2.46*		mg/Kg wet	3.33		73.7	30-130			
Surrogate: 2-Fluorobiphenyl	*2.69*		mg/Kg wet	3.33		80.6	30-130			
Surrogate: p-Terphenyl-d14	*2.85*		mg/Kg wet	3.33		85.5	30-130			
Batch B185977 - SW-846 3510C										
Blank (B185977-BLK1)				Prepared: 09/12/17 Analyzed: 09/13/17						
Acenaphthene (SIM)	ND	0.30	µg/L							
Acenaphthylene (SIM)	ND	0.30	µg/L							
Anthracene (SIM)	ND	0.20	µg/L							
Benzo(a)anthracene (SIM)	ND	0.050	µg/L							
Benzo(a)pyrene (SIM)	ND	0.10	µg/L							
Benzo(b)fluoranthene (SIM)	ND	0.050	µg/L							
Benzo(g,h,i)perylene (SIM)	ND	0.50	µg/L							
Benzo(k)fluoranthene (SIM)	ND	0.20	µg/L							
Chrysene (SIM)	ND	0.20	µg/L							
Dibenz(a,h)anthracene (SIM)	ND	0.20	µg/L							
Fluoranthene (SIM)	ND	0.50	µg/L							
Fluorene (SIM)	ND	1.0	µg/L							
Indeno(1,2,3-cd)pyrene (SIM)	ND	0.20	µg/L							
2-Methylnaphthalene (SIM)	ND	1.0	µg/L							
Naphthalene (SIM)	ND	1.0	µg/L							
Phenanthrene (SIM)	ND	0.050	µg/L							
Pyrene (SIM)	ND	1.0	µg/L							
Surrogate: Nitrobenzene-d5	*87.6*		µg/L	100		87.6	30-130			
Surrogate: 2-Fluorobiphenyl	*85.2*		µg/L	100		85.2	30-130			
Surrogate: p-Terphenyl-d14	*82.4*		µg/L	100		82.4	30-130			

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B185977 - SW-846 3510C										
LCS (B185977-BS1)				Prepared: 09/12/17 Analyzed: 09/13/17						
Acenaphthene (SIM)	44.1	7.5	µg/L	50.0		88.2	40-140			
Acenaphthylene (SIM)	43.3	7.5	µg/L	50.0		86.6	40-140			
Anthracene (SIM)	46.5	5.0	µg/L	50.0		93.0	40-140			
Benzo(a)anthracene (SIM)	46.9	1.2	µg/L	50.0		93.8	40-140			
Benzo(a)pyrene (SIM)	48.5	2.5	µg/L	50.0		97.0	40-140			
Benzo(b)fluoranthene (SIM)	48.3	1.2	µg/L	50.0		96.6	40-140			
Benzo(g,h,i)perylene (SIM)	46.6	12	µg/L	50.0		93.3	40-140			
Benzo(k)fluoranthene (SIM)	46.8	5.0	µg/L	50.0		93.5	40-140			
Chrysene (SIM)	46.8	5.0	µg/L	50.0		93.6	40-140			
Dibenz(a,h)anthracene (SIM)	45.5	5.0	µg/L	50.0		91.0	40-140			
Fluoranthene (SIM)	45.6	12	µg/L	50.0		91.2	40-140			
Fluorene (SIM)	44.5	25	µg/L	50.0		89.0	40-140			
Indeno(1,2,3-cd)pyrene (SIM)	46.9	5.0	µg/L	50.0		93.8	40-140			
2-Methylnaphthalene (SIM)	41.6	25	µg/L	50.0		83.2	40-140			
Naphthalene (SIM)	40.2	25	µg/L	50.0		80.4	40-140			
Phenanthrene (SIM)	45.1	1.2	µg/L	50.0		90.2	40-140			
Pyrene (SIM)	46.9	25	µg/L	50.0		93.8	40-140			
Surrogate: Nitrobenzene-d5	*92.6*		µg/L	100		92.6	30-130			
Surrogate: 2-Fluorobiphenyl	*93.5*		µg/L	100		93.5	30-130			
Surrogate: p-Terphenyl-d14	*74.5*		µg/L	100		74.5	30-130			
LCS Dup (B185977-BSD1)				Prepared: 09/12/17 Analyzed: 09/13/17						
Acenaphthene (SIM)	48.9	7.5	µg/L	50.0		97.8	40-140	10.2	20	
Acenaphthylene (SIM)	47.9	7.5	µg/L	50.0		95.8	40-140	10.0	20	
Anthracene (SIM)	51.2	5.0	µg/L	50.0		102	40-140	9.72	20	
Benzo(a)anthracene (SIM)	51.8	1.2	µg/L	50.0		104	40-140	10.0	20	
Benzo(a)pyrene (SIM)	53.8	2.5	µg/L	50.0		108	40-140	10.4	20	
Benzo(b)fluoranthene (SIM)	54.4	1.2	µg/L	50.0		109	40-140	12.0	20	
Benzo(g,h,i)perylene (SIM)	51.4	12	µg/L	50.0		103	40-140	9.59	20	
Benzo(k)fluoranthene (SIM)	52.5	5.0	µg/L	50.0		105	40-140	11.6	20	
Chrysene (SIM)	51.9	5.0	µg/L	50.0		104	40-140	10.2	20	
Dibenz(a,h)anthracene (SIM)	50.3	5.0	µg/L	50.0		101	40-140	10.0	20	
Fluoranthene (SIM)	49.9	12	µg/L	50.0		99.8	40-140	9.11	20	
Fluorene (SIM)	48.9	25	µg/L	50.0		97.8	40-140	9.47	20	
Indeno(1,2,3-cd)pyrene (SIM)	51.4	5.0	µg/L	50.0		103	40-140	9.21	20	‡
2-Methylnaphthalene (SIM)	45.6	25	µg/L	50.0		91.3	40-140	9.28	20	
Naphthalene (SIM)	44.4	25	µg/L	50.0		88.8	40-140	9.93	20	
Phenanthrene (SIM)	50.4	1.2	µg/L	50.0		101	40-140	11.0	20	
Pyrene (SIM)	53.0	25	µg/L	50.0		106	40-140	12.2	20	
Surrogate: Nitrobenzene-d5	*98.4*		µg/L	100		98.4	30-130			
Surrogate: 2-Fluorobiphenyl	*99.8*		µg/L	100		99.8	30-130			
Surrogate: p-Terphenyl-d14	*86.0*		µg/L	100		86.0	30-130			

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QUALITY CONTROL

Polychlorinated Biphenyls By GC/ECD - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B185890 - SW-846 3510C										
Blank (B185890-BLK1)				Prepared: 09/11/17 Analyzed: 09/14/17						
Aroclor-1016	ND	0.20	µg/L							
Aroclor-1016 [2C]	ND	0.20	µg/L							
Aroclor-1221	ND	0.20	µg/L							
Aroclor-1221 [2C]	ND	0.20	µg/L							
Aroclor-1232	ND	0.20	µg/L							
Aroclor-1232 [2C]	ND	0.20	µg/L							
Aroclor-1242	ND	0.20	µg/L							
Aroclor-1242 [2C]	ND	0.20	µg/L							
Aroclor-1248	ND	0.20	µg/L							
Aroclor-1248 [2C]	ND	0.20	µg/L							
Aroclor-1254	ND	0.20	µg/L							
Aroclor-1254 [2C]	ND	0.20	µg/L							
Aroclor-1260	ND	0.20	µg/L							
Aroclor-1260 [2C]	ND	0.20	µg/L							
Aroclor-1262	ND	0.20	µg/L							
Aroclor-1262 [2C]	ND	0.20	µg/L							
Aroclor-1268	ND	0.20	µg/L							
Aroclor-1268 [2C]	ND	0.20	µg/L							
Surrogate: Decachlorobiphenyl	*1.96*		µg/L	2.00		98.2	30-150			
Surrogate: Decachlorobiphenyl [2C]	*1.76*		µg/L	2.00		88.2	30-150			
Surrogate: Tetrachloro-m-xylene	*2.18*		µg/L	2.00		109	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.68*		µg/L	2.00		83.9	30-150			
LCS (B185890-BS1)				Prepared: 09/11/17 Analyzed: 09/14/17						
Aroclor-1016	0.50	0.20	µg/L	0.500		99.5	40-140			
Aroclor-1016 [2C]	0.52	0.20	µg/L	0.500		103	40-140			
Aroclor-1260	0.47	0.20	µg/L	0.500		93.7	40-140			
Aroclor-1260 [2C]	0.51	0.20	µg/L	0.500		102	40-140			
Surrogate: Decachlorobiphenyl	*2.02*		µg/L	2.00		101	30-150			
Surrogate: Decachlorobiphenyl [2C]	*1.80*		µg/L	2.00		89.8	30-150			
Surrogate: Tetrachloro-m-xylene	*2.12*		µg/L	2.00		106	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.63*		µg/L	2.00		81.6	30-150			
LCS Dup (B185890-BSD1)				Prepared: 09/11/17 Analyzed: 09/14/17						
Aroclor-1016	0.50	0.20	µg/L	0.500		100	40-140	0.547	20	
Aroclor-1016 [2C]	0.51	0.20	µg/L	0.500		103	40-140	0.515	20	
Aroclor-1260	0.46	0.20	µg/L	0.500		91.9	40-140	1.95	20	
Aroclor-1260 [2C]	0.50	0.20	µg/L	0.500		100	40-140	2.01	20	
Surrogate: Decachlorobiphenyl	*1.85*		µg/L	2.00		92.4	30-150			
Surrogate: Decachlorobiphenyl [2C]	*1.67*		µg/L	2.00		83.6	30-150			
Surrogate: Tetrachloro-m-xylene	*2.13*		µg/L	2.00		107	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.65*		µg/L	2.00		82.3	30-150			

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QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B185830 - SW-846 3540C										
Blank (B185830-BLK1)				Prepared: 09/08/17 Analyzed: 09/10/17						
Aroclor-1016	ND	0.020	mg/Kg wet							
Aroclor-1016 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1221	ND	0.020	mg/Kg wet							
Aroclor-1221 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1232	ND	0.020	mg/Kg wet							
Aroclor-1232 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1242	ND	0.020	mg/Kg wet							
Aroclor-1242 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1248	ND	0.020	mg/Kg wet							
Aroclor-1248 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1254	ND	0.020	mg/Kg wet							
Aroclor-1254 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1260	ND	0.020	mg/Kg wet							
Aroclor-1260 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1262	ND	0.020	mg/Kg wet							
Aroclor-1262 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1268	ND	0.020	mg/Kg wet							
Aroclor-1268 [2C]	ND	0.020	mg/Kg wet							
Surrogate: Decachlorobiphenyl	*0.191*		mg/Kg wet	0.200		95.4	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.213*		mg/Kg wet	0.200		106	30-150			
Surrogate: Tetrachloro-m-xylene	*0.154*		mg/Kg wet	0.200		77.0	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.177*		mg/Kg wet	0.200		88.3	30-150			
LCS (B185830-BS1)				Prepared: 09/08/17 Analyzed: 09/10/17						
Aroclor-1016	0.17	0.020	mg/Kg wet	0.200		85.6	40-140			
Aroclor-1016 [2C]	0.19	0.020	mg/Kg wet	0.200		95.6	40-140			
Aroclor-1260	0.15	0.020	mg/Kg wet	0.200		74.9	40-140			
Aroclor-1260 [2C]	0.16	0.020	mg/Kg wet	0.200		80.8	40-140			
Surrogate: Decachlorobiphenyl	*0.177*		mg/Kg wet	0.200		88.5	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.197*		mg/Kg wet	0.200		98.5	30-150			
Surrogate: Tetrachloro-m-xylene	*0.142*		mg/Kg wet	0.200		71.2	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.164*		mg/Kg wet	0.200		81.8	30-150			
LCS Dup (B185830-BSD1)				Prepared: 09/08/17 Analyzed: 09/10/17						
Aroclor-1016	0.18	0.020	mg/Kg wet	0.200		90.5	40-140	5.57	30	
Aroclor-1016 [2C]	0.21	0.020	mg/Kg wet	0.200		103	40-140	7.04	30	
Aroclor-1260	0.15	0.020	mg/Kg wet	0.200		77.4	40-140	3.31	30	
Aroclor-1260 [2C]	0.17	0.020	mg/Kg wet	0.200		86.6	40-140	6.84	30	
Surrogate: Decachlorobiphenyl	*0.179*		mg/Kg wet	0.200		89.4	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.199*		mg/Kg wet	0.200		99.5	30-150			
Surrogate: Tetrachloro-m-xylene	*0.157*		mg/Kg wet	0.200		78.3	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.182*		mg/Kg wet	0.200		91.0	30-150			

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QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B185867 - SW-846 3540C										
Blank (B185867-BLK1)				Prepared: 09/10/17 Analyzed: 09/16/17						
Aroclor-1016	ND	0.020	mg/Kg wet							
Aroclor-1016 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1221	ND	0.020	mg/Kg wet							
Aroclor-1221 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1232	ND	0.020	mg/Kg wet							
Aroclor-1232 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1242	ND	0.020	mg/Kg wet							
Aroclor-1242 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1248	ND	0.020	mg/Kg wet							
Aroclor-1248 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1254	ND	0.020	mg/Kg wet							
Aroclor-1254 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1260	ND	0.020	mg/Kg wet							
Aroclor-1260 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1262	ND	0.020	mg/Kg wet							
Aroclor-1262 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1268	ND	0.020	mg/Kg wet							
Aroclor-1268 [2C]	ND	0.020	mg/Kg wet							
Surrogate: Decachlorobiphenyl	*0.203*		mg/Kg wet	0.200		101	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.182*		mg/Kg wet	0.200		90.9	30-150			
Surrogate: Tetrachloro-m-xylene	*0.208*		mg/Kg wet	0.200		104	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.155*		mg/Kg wet	0.200		77.3	30-150			
LCS (B185867-BS1)				Prepared: 09/10/17 Analyzed: 09/16/17						
Aroclor-1016	0.18	0.020	mg/Kg wet	0.200		87.8	40-140			
Aroclor-1016 [2C]	0.16	0.020	mg/Kg wet	0.200		80.3	40-140			
Aroclor-1260	0.16	0.020	mg/Kg wet	0.200		78.3	40-140			
Aroclor-1260 [2C]	0.16	0.020	mg/Kg wet	0.200		78.6	40-140			
Surrogate: Decachlorobiphenyl	*0.200*		mg/Kg wet	0.200		99.9	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.178*		mg/Kg wet	0.200		89.0	30-150			
Surrogate: Tetrachloro-m-xylene	*0.203*		mg/Kg wet	0.200		102	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.148*		mg/Kg wet	0.200		74.0	30-150			
LCS Dup (B185867-BSD1)				Prepared: 09/10/17 Analyzed: 09/16/17						
Aroclor-1016	0.16	0.020	mg/Kg wet	0.200		81.8	40-140	7.09	30	
Aroclor-1016 [2C]	0.15	0.020	mg/Kg wet	0.200		76.3	40-140	5.16	30	
Aroclor-1260	0.15	0.020	mg/Kg wet	0.200		76.6	40-140	2.21	30	
Aroclor-1260 [2C]	0.15	0.020	mg/Kg wet	0.200		77.3	40-140	1.68	30	
Surrogate: Decachlorobiphenyl	*0.195*		mg/Kg wet	0.200		97.4	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.176*		mg/Kg wet	0.200		88.0	30-150			
Surrogate: Tetrachloro-m-xylene	*0.203*		mg/Kg wet	0.200		101	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.151*		mg/Kg wet	0.200		75.4	30-150			

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QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B185867 - SW-846 3540C										
Matrix Spike (B185867-MS1)		**Source: 17I0112-05**		Prepared: 09/10/17 Analyzed: 09/16/17						
Aroclor-1016	0.19	0.090	mg/Kg dry	0.225	ND	84.1	40-140			
Aroclor-1016 [2C]	0.18	0.090	mg/Kg dry	0.225	ND	81.5	40-140			
Aroclor-1260	0.14	0.090	mg/Kg dry	0.225	ND	62.6	40-140			
Aroclor-1260 [2C]	0.15	0.090	mg/Kg dry	0.225	ND	65.7	40-140			
Surrogate: Decachlorobiphenyl	*0.158*		mg/Kg dry	0.225		70.1	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.172*		mg/Kg dry	0.225		76.2	30-150			
Surrogate: Tetrachloro-m-xylene	*0.196*		mg/Kg dry	0.225		86.9	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.203*		mg/Kg dry	0.225		90.2	30-150			
Matrix Spike Dup (B185867-MSD1)		**Source: 17I0112-05**		Prepared: 09/10/17 Analyzed: 09/16/17						
Aroclor-1016	0.24	0.091	mg/Kg dry	0.228	ND	106	40-140	23.7	50	
Aroclor-1016 [2C]	0.22	0.091	mg/Kg dry	0.228	ND	96.4	40-140	17.7	50	
Aroclor-1260	0.17	0.091	mg/Kg dry	0.228	ND	76.4	40-140	20.8	50	
Aroclor-1260 [2C]	0.18	0.091	mg/Kg dry	0.228	ND	80.3	40-140	21.0	50	
Surrogate: Decachlorobiphenyl	*0.193*		mg/Kg dry	0.228		84.7	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.209*		mg/Kg dry	0.228		91.9	30-150			
Surrogate: Tetrachloro-m-xylene	*0.224*		mg/Kg dry	0.228		98.6	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.239*		mg/Kg dry	0.228		105	30-150			

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QUALITY CONTROL

Petroleum Hydrocarbons Analyses - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes
Batch B185892 - SW-846 3510C											
Blank (B185892-BLK1)				Prepared: 09/11/17 Analyzed: 09/12/17							
CT ETPH	ND	0.075	mg/L								
Surrogate: o-Terphenyl	*0.0784*		mg/L	0.100		78.4		50-150			
LCS (B185892-BS1)				Prepared: 09/11/17 Analyzed: 09/12/17							
CT ETPH	0.633	0.075	mg/L	1.00		63.3		60-120			
Surrogate: o-Terphenyl	*0.0709*		mg/L	0.100		70.9		50-150			
LCS Dup (B185892-BSD1)				Prepared: 09/11/17 Analyzed: 09/12/17							
CT ETPH	0.663	0.075	mg/L	1.00		66.3		60-120	4.71	30	
Surrogate: o-Terphenyl	*0.0745*		mg/L	0.100		74.5		50-150			
Batch B185921 - SW-846 3546											
Blank (B185921-BLK1)				Prepared: 09/11/17 Analyzed: 09/12/17							
CT ETPH	ND	10	mg/Kg wet								
Surrogate: o-Terphenyl	*2.52*		mg/Kg wet	3.33		75.6		50-150			
LCS (B185921-BS1)				Prepared: 09/11/17 Analyzed: 09/12/17							
CT ETPH	20.3	10	mg/Kg wet	33.3		61.0		60-120			
Surrogate: o-Terphenyl	*2.40*		mg/Kg wet	3.33		72.0		50-150			
LCS Dup (B185921-BSD1)				Prepared: 09/11/17 Analyzed: 09/12/17							
CT ETPH	21.6	10	mg/Kg wet	33.3		64.8		60-120	6.10	30	
Surrogate: o-Terphenyl	*2.51*		mg/Kg wet	3.33		75.4		50-150			
Matrix Spike (B185921-MS1)	**Source: 17I0112-03**			Prepared: 09/11/17 Analyzed: 09/12/17							
CT ETPH	242	56	mg/Kg dry	37.3	261	**-50.1**	*	50-150			MS-07A
Surrogate: o-Terphenyl	*2.44*		mg/Kg dry	3.73		65.3		50-150			
Matrix Spike Dup (B185921-MSD1)	**Source: 17I0112-03**			Prepared: 09/11/17 Analyzed: 09/12/17							
CT ETPH	259	56	mg/Kg dry	37.3	261	**-5.38**	*	50-150	6.66	30	MS-07A
Surrogate: o-Terphenyl	*2.47*		mg/Kg dry	3.73		66.2		50-150			

con-test® ANALYTICAL LABORATORY

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

QUALITY CONTROL

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B185594 - % Solids										
Duplicate (B185594-DUP5)		**Source: 17I0112-01**		Prepared: 09/06/17 Analyzed: 09/07/17						
% Solids	78.8		% Wt		81.9			3.86	20	
Duplicate (B185594-DUP6)		**Source: 17I0112-02**		Prepared: 09/06/17 Analyzed: 09/07/17						
% Solids	81.2		% Wt		83.0			2.19	20	

con-test® ANALYTICAL LABORATORY

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit
DL	Method Detection Limit
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
MS-07A	Matrix spike and spike duplicate recovery is outside of control limits. Analysis is in control based on laboratory fortified blank recovery. Possiblity of matrix effects that lead to low bias or non-homogeneous sample aliquot cannot be eliminated.
RL-12	Elevated reporting limit due to matrix interference.

con-test® ANALYTICAL LABORATORY

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
CTDEP ETPH in Soil	
CT ETPH	CT
CTDEP ETPH in Water	
CT ETPH	CT
SW-846 8082A in Soil	
Aroclor-1016	CT,NH,NY,ME,NC,VA
Aroclor-1016 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1221	CT,NH,NY,ME,NC,VA
Aroclor-1221 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1232	CT,NH,NY,ME,NC,VA
Aroclor-1232 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1242	CT,NH,NY,ME,NC,VA
Aroclor-1242 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1248	CT,NH,NY,ME,NC,VA
Aroclor-1248 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1254	CT,NH,NY,ME,NC,VA
Aroclor-1254 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1260	CT,NH,NY,ME,NC,VA
Aroclor-1260 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1262	NY,NC,VA
Aroclor-1262 [2C]	NY,NC,VA
Aroclor-1268	NY,NC,VA
Aroclor-1268 [2C]	NY,NC,VA
SW-846 8082A in Water	
Aroclor-1016	CT,NH,NY,NC,ME,VA
Aroclor-1016 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1221	CT,NH,NY,NC,ME,VA
Aroclor-1221 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1232	CT,NH,NY,NC,ME,VA
Aroclor-1232 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1242	CT,NH,NY,NC,ME,VA
Aroclor-1242 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1248	CT,NH,NY,NC,ME,VA
Aroclor-1248 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1254	CT,NH,NY,NC,ME,VA
Aroclor-1254 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1260	CT,NH,NY,NC,ME,VA
Aroclor-1260 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1262	NH,NY,NC,ME,VA
Aroclor-1262 [2C]	NH,NY,NC,ME,VA
Aroclor-1268	NH,NY,NC,ME,VA
Aroclor-1268 [2C]	NH,NY,NC,ME,VA
SW-846 8270D in Soil	
Acenaphthene	CT,NY,NH,ME,NC,VA
Acenaphthylene	CT,NY,NH,ME,NC,VA
Anthracene	CT,NY,NH,ME,NC,VA

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8270D in Soil	
Benzo(a)anthracene	CT,NY,NH,ME,NC,VA
Benzo(a)pyrene	CT,NY,NH,ME,NC,VA
Benzo(b)fluoranthene	CT,NY,NH,ME,NC,VA
Benzo(g,h,i)perylene	CT,NY,NH,ME,NC,VA
Benzo(k)fluoranthene	CT,NY,NH,ME,NC,VA
Chrysene	CT,NY,NH,ME,NC,VA
Dibenz(a,h)anthracene	CT,NY,NH,ME,NC,VA
Fluoranthene	CT,NY,NH,ME,NC,VA
Fluorene	CT,NY,NH,ME,NC,VA
Indeno(1,2,3-cd)pyrene	CT,NY,NH,ME,NC,VA
2-Methylnaphthalene	CT,NY,NH,ME,NC,VA
Naphthalene	CT,NY,NH,ME,NC,VA
Phenanthrene	CT,NY,NH,ME,NC,VA
Pyrene	CT,NY,NH,ME,NC,VA

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2005	100033	02/1/2018
MA	Massachusetts DEP	M-MA100	06/30/2018
CT	Connecticut Department of Publilc Health	PH-0567	09/30/2017
NY	New York State Department of Health	10899 NELAP	04/1/2018
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2018
RI	Rhode Island Department of Health	LAO00112	12/30/2017
NC	North Carolina Div. of Water Quality	652	12/31/2017
NJ	New Jersey DEP	MA007 NELAP	06/30/2018
FL	Florida Department of Health	E871027 NELAP	06/30/2018
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2018
ME	State of Maine	2011028	06/9/2019
VA	Commonwealth of Virginia	460217	12/14/2017
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2017
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2018
NC-DW	North Carolina Department of Health	25703	07/31/2018

17I0112

con-test ANALYTICAL LABORATORY

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Fax: 413-525-6405
Email: info@contestlabs.com

http://www.contestlabs.com

Doc # 381 Rev 0 5 8 2015

CHAIN OF CUSTODY RECORD

39 Spruce Street
East Longmeadow, MA 01028

Company Name:	Weston & Sampson Engineers
Address:	273 Dividend Rd Rcoky Hill, CT
Phone:	860 513-1473
Project Name:	English Station
Project Location:	510 Grand Ave, New Haven, CT
Project Number:	2170495
Project Manager:	Malcolm Beeler
Con-Test Bid:	
Invoice Recipient:	Malcolm Beeler (Weston & Sampson)
Sampled By:	Chris Berthiaume/Will Sirotnak

Requested Turnaround Time
7-Day ☑ 10-Day ☐
Other: 5-day ☐

Rush-Approval Required
1-Day ☐ 3-Day ☐
2-Day ☐ 4-Day ☐

Data Delivery
Format: PDF ☑ EXCEL ☑
Other:
Enhanced Data Package Required: ☐
Email To: beelerm@wseinc.com
Fax To #:

ANALYSIS REQUESTED

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	[1]Matrix Code	Conc Code	PCBs (Soxhlet)	ETPH	PAHs
1	WS-AOC12E-SO-5-1	9/5/17	1330		X	S	U	X	X	
2	WS-AOC12E-SO-5-2		1331					X		
3	WS-AOC12E-SO-17-1		1340					X	X	
4	WS-AOC12E-SO-17-2		1341					X		
5	WS-AOC12E-SO-17-3		1342					X		
6	WS-AOC12E-SO-35-1		1403					X	X	
7	WS-AOC12E-SO-35-2		1404					X		X
8	WS-AOC12E-SO-35-3		1405					X		
9	WS-AOC12E-SO-21-1		1400					X		X
10	WS-AOC12E-SO-21-2		1401					X	X	

# of Containers	
[2] Preservation Code	
[3] Container Code	

Dissolved Metals Samples
○ Field Filtered
○ Lab to Filter

Orthophosphate Samples
○ Field Filtered
○ Lab to Filter

[1] **Matrix Codes:**
GW = Ground Water
WW = Waste Water
DW = Drinking Water
A = Air
S = Soil/Solid
SL = Sludge
O = Other (please define) _____

[2] **Preservation Codes:**
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium Bisulfate
X = Sodium Hydroxide
T = Sodium Thiosulfate
O = Other (please define) _____

[3] **Container Codes:**
A = Amber Glass
G = Glass
P = Plastic
ST = Sterile
V = Vial
S = Summa Canister
T = Tedlar Bag
O = Other (please define) _____

Comments:

Please hold excess volumes for possible SPLP analyses.

Please use the following codes to indicate possible sample concentration within the **Conc Code** column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Relinquished by: (signature) 9/5/17	Date/Time:
Received by: (signature) 9/5/17	Date/Time: 1515
Relinquished by: (signature) 9/5/17	Date/Time: 1640
Received by: (signature) 9/5/17	Date/Time: 1640
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:

Detection Limit Requirements
MA
CT RES DEC
Other:

Program Information

○ MCP Analytical Certification Form Required
● RCP Analysis Certification Form Required
○ MA State DW Form Required
PWSID # _____

NELAC and AIHA-LAP, LLC Accredited

TURNAROUND TIME (BUSINESS DAYS) STARTS AT 9:00 AM THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON THIS CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR IS INCORRECT, TURNAROUND TIME CANNOT START UNTIL ALL QUESTIONS HAVE BEEN ANSWERED.

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Email: info@contestlabs.com

http://www.contestlabs.com

Doc # 381 Rev 0 5 8 2015

CHAIN OF CUSTODY RECORD

39 Spruce Street
East Longmeadow, MA 01028

Company Name:	Weston & Sampson Engineers
Address:	273 Dividend Rd Rcoky Hill, CT
Phone:	860 513-1473
Project Name:	English Station
Project Location:	510 Grand Ave, New Haven, CT
Project Number:	2170495
Project Manager:	Malcolm Beeler
Con-Test Bid:	
Invoice Recipient:	Malcolm Beeler (Weston & Sampson)
Sampled By:	Chris Berthiaume/Will Sirotnak

Requested Turnaround Time
7-Day ☑ 10-Day ☐
Other: 5-day ☐

Rush-Approval Required
1-Day ☐ 3-Day ☐
2-Day ☐ 4-Day ☐

Data Delivery
Format: PDF ☑ EXCEL ☑
Other:
Enhanced Data Package Required: ☐
Email To: beelerm@wseinc.com
Fax To #:

ANALYSIS REQUESTED

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	[1]Matrix Code	Conc Code	PCBs (Soxhlet)	Kepone	PAH	# of Containers	[2] Preservation Code	[3] Container Code
11	WS-AOC12E-SO-21-3	9/5/17	1402		X	S	U	X					
12	WS-AOC12E-SO-25-1		1414					X					
13	WS-AOC12E-SO-25-2		1415					X	X				
14	WS-AOC12E-SO-25-3		1416					X					
15	WS-AOC15-SO-1-1		1427					X	X				
16	WS-AOC15-SO-1-2		1428					X					
17	WS-AOC15-SO-1-3		1429					X					
18	WS-AOC12E-SO-42-1		1459					X					
19	WS-AOC12E-SO-42-2		1500					X	X				
20	WS-AOC12E-SO-42-3		1501		↓	↓	↓	X					

Dissolved Metals Samples
○ Field Filtered
○ Lab to Filter

Orthophosphate Samples
○ Field Filtered
○ Lab to Filter

[1] **Matrix Codes:**
GW = Ground Water
WW = Waste Water
DW = Drinking Water
A = Air
S = Soil/Solid
SL = Sludge
O = Other (please define) _____

[2] **Preservation Codes:**
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium Bisulfate
X = Sodium Hydroxide
T = Sodium Thiosulfate
O = Other (please define) _____

[3] **Container Codes:**
A = Amber Glass
G = Glass
P = Plastic
ST = Sterile
V = Vial
S = Summa Canister
T = Tedlar Bag
O = Other (please define) _____

Comments:

Please hold excess volumes for possible SPLP analyses.

Please use the following codes to indicate possible sample concentration within the Conc Code column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Relinquished by: (signature) 9/5/17	Date/Time:
Received by: (signature) 9/5/17	Date/Time: 1515
Relinquished by: (signature)	Date/Time: 9/5/17 1640
Received by: (signature) 3-3	Date/Time: 9/5/17 1690
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:

Detection Limit Requirements
MA
CT RES DEC
Other:

Program Information

○ MCP Analytical Certification Form Required
● RCP Analysis Certification Form Required
○ MA State DW Form Required
PWSID # _____

NELAC and AIHA-LAP, LLC Accredited

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Doc # 381 Rev 0 5 8 2015

CHAIN OF CUSTODY RECORD

39 Spruce Street
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Project Number:	2170495
Project Manager:	Malcolm Beeler
Con-Test Bid:	
Invoice Recipient:	Malcolm Beeler (Weston & Sampson)
Sampled By:	Chris Berthiaume/Will Sirotnak

Requested Turnaround Time
7-Day ☑ 10-Day ☐
Other: 5-day ☐

Rush-Approval Required
1-Day ☐ 3-Day ☐
2-Day ☐ 4-Day ☐

Data Delivery
Format: PDF ☑ EXCEL ☑
Other:
Enhanced Data Package Required: ☐
Email To: beelerm@wseinc.com
Fax To #:

ANALYSIS REQUESTED

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	[1]Matrix Code	Conc Code	PCBs (Soxhlet)	ETPH	PAH	# of Containers	[2] Preservation Code	[3] Container Code
21	WS-AOCIZE-SO-Dup47	9/5/17	—		X	S	U	X					
22	Equipment Blank-61	↓	1200		X	W	U	X	X	X			
23	Equipment Blank-62	↓	1220		X	W	U	X	X	X			

Dissolved Metals Samples
○ Field Filtered
○ Lab to Filter

Orthophosphate Samples
○ Field Filtered
○ Lab to Filter

[1] **Matrix Codes:**
GW = Ground Water
WW = Waste Water
DW = Drinking Water
A = Air
S = Soil/Solid
SL = Sludge
O = Other (please define) _____

[2] **Preservation Codes:**
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium Bisulfate
X = Sodium Hydroxide
T = Sodium Thiosulfate
O = Other (please define) _____

[3] **Container Codes:**
A = Amber Glass
G = Glass
P = Plastic
ST = Sterile
V = Vial
S = Summa Canister
T = Tedlar Bag
O = Other (please define) _____

Comments:

Please hold excess volumes for possible SPLP analyses.

Please use the following codes to indicate possible sample concentration within the **Conc Code** column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Relinquished by: (signature) 9/5/17	Date/Time:
Received by: (signature) 9/5/17	Date/Time: 1515
Relinquished by: (signature)	Date/Time: 9/5/17 1440
Received by: (signature) 9/5/17	Date/Time: 1640
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:

Detection Limit Requirements
MA
CT RES DEC
Other:

Program Information

○ MCP Analytical Certification Form Required
● RCP Analysis Certification Form Required
○ MA State DW Form Required
PWSID # _____

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F: 413-525-6405
www.contestlabs.com

con-test® ANALYTICAL LABORATORY

Doc# 277 Rev 5 2017

Login Sample Receipt Checklist - (Rejection Criteria Listing - Using Acceptance Policy) Any False Statement will be brought to the attention of the Client - State True or False

Client Weston & Sampson

Received By JM Date 9/5/17 Time 1640

How were the samples received? In Cooler T No Cooler ____ On Ice T No Ice ____
Direct from Sampling ____ Ambient ____ Melted Ice ____

Were samples within Temperature? 2-6°C T By Gun # 1 Actual Temp - 3.3, 3.7
By Blank # ____ Actual Temp - ____

Was Custody Seal Intact? N/A Were Samples Tampered with? N/A
Was COC Relinquished ? T Does Chain Agree With Samples? T
Are there broken/leaking/loose caps on any samples? F
Is COC in ink/ Legible? T Were samples received within holding time? T
Did COC include all pertinent Information? Client T Analysis T Sampler Name T
Project T ID's T Collection Dates/Times T
Are Sample labels filled out and legible? T
Are there Lab to Filters? N/A Who was notified? ____
Are there Rushes? N/A Who was notified? ____
Are there Short Holds? N/A Who was notified? ____
Is there enough Volume? T
Is there Headspace where applicable? N/A MS/MSD? N/A
Proper Media/Containers Used? T Is splitting samples required? N/A
Were trip blanks received? N/A On COC? N/A
Do all samples have the proper pH? N/A Acid ____ Base ____

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.	6	1 Liter Plastic		16 oz Amb.	
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear	21
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear	
Bisulfate-		Col./Bacteria		Flashpoint		2oz Amb/Clear	
DI-		Other Plastic		Other Glass		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Unused Media

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.	
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear	
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear	
Bisulfate-		Col./Bacteria		Flashpoint		2oz Amb/Clear	
DI-		Other Plastic		Other Glass		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Comments:

D:\HPCHEM\1\DATA\A091217.SEC\A0912007.D

CT ETPH DISCRIMINATION CHECK

Date Acquired	9/12/17
Data File Name	A0912007.D
Sample Name	ETPH 1500
Instrument Name	5890DFID

Compound	Ret Time	Target Response	Average Response	*%D +/- 20
c - 9	1.28	579219	601921	-4
c - 10	1.62	584624	601921	-3
c - 12	2.35	601930	601921	0
c - 14	3.01	613611	601921	2
c - 16	3.61	626238	601921	4
c - 18	4.23	617049	601921	3
o-Terphenyl	4.51	684250	601921	
c - 20	4.83	622766	601921	3
c - 22	5.34	629203	601921	5
c - 24	5.77	583868	601921	-3
c - 26	6.16	611957	601921	2
c - 28	6.52	601941	601921	0
c - 30	6.85	596395	601921	-1
c - 32	7.16	582912	601921	-3
c - 34	7.46	587710	601921	-2
c - 36	7.77	589388	601921	-2

* One compound allowed %D <= 50%

Samples
17H1675-17

D:\HPCHEM\1\DATA\A091217.SEC\A0912039.D

CT ETPH DISCRIMINATION CHECK

Date Acquired	9/12/17
Data File Name	A0912039.D
Sample Name	ETPH 1500
Instrument Name	5890DFID

Compound	Ret Time	Target Response	Average Response	*%D +/- 20
c - 9	1.28	603049	629027	-4
c - 10	1.62	609325	629027	-3
c - 12	2.35	625871	629027	-1
c - 14	3.01	638455	629027	1
c - 16	3.61	652226	629027	4
c - 18	4.23	642382	629027	2
o-Terphenyl	4.51	713285	629027	
c - 20	4.83	648093	629027	3
c - 22	5.34	655317	629027	4
c - 24	5.77	608772	629027	-3
c - 26	6.16	639161	629027	2
c - 28	6.52	629708	629027	0
c - 30	6.85	627878	629027	0
c - 32	7.16	615300	629027	-2
c - 34	7.45	619133	629027	-2
c - 36	7.77	620740	629027	-1

* One compound allowed %D <= 50%

Samples
17I0112-22
17I0112-23
17I0137-01
17H1672-11

D:\HPCHEM\1\DATA\A091217\A0912006.D

CT ETPH DISCRIMINATION CHECK

Date Acquired	9/12/17
Data File Name	A0912006.D
Sample Name	ETPH 1500
Instrument Name	5890DFID

Compound	Ret Time	Target Response	Average Response	*%D +/- 20
c - 9	1.29	501479	538055	-7
c - 10	1.64	508127	538055	-6
c - 12	2.37	526410	538055	-2
c - 14	3.05	540261	538055	0
c - 16	3.65	553396	538055	3
c - 18	4.29	547821	538055	2
o-Terphenyl	4.57	606869	538055	
c - 20	4.89	555426	538055	3
c - 22	5.39	565503	538055	5
c - 24	5.83	528778	538055	-2
c - 26	6.23	558205	538055	4
c - 28	6.59	551574	538055	3
c - 30	6.92	544804	538055	1
c - 32	7.24	528926	538055	-2
c - 34	7.53	529626	538055	-2
c - 36	7.88	530490	538055	-1

* One compound allowed %D <= 50%

Samples
17H1672-02
17H1672-03
17H1672-04
17H1672-08
17H1672-12
17H1672-14
17H1672-16
17I0112-13
17H1672-05

D:\HPCHEM\1\DATA\A091217\A0912038.D

CT ETPH DISCRIMINATION CHECK

Date Acquired	9/12/17
Data File Name	A0912038.D
Sample Name	ETPH 1500
Instrument Name	5890DFID

Compound	Ret Time	Target Response	Average Response	*%D +/- 20
c - 9	1.29	500546	539610	-7
c - 10	1.64	508067	539610	-6
c - 12	2.37	526540	539610	-2
c - 14	3.04	540306	539610	0
c - 16	3.65	554002	539610	3
c - 18	4.29	549170	539610	2
o-Terphenyl	4.57	609352	539610	
c - 20	4.89	557450	539610	3
c - 22	5.39	567557	539610	5
c - 24	5.83	530516	539610	-2
c - 26	6.23	560292	539610	4
c - 28	6.59	553131	539610	3
c - 30	6.92	548526	539610	2
c - 32	7.23	532844	539610	-1
c - 34	7.53	532454	539610	-1
c - 36	7.87	532753	539610	-1

* One compound allowed %D <= 50%

Samples
17I0112-06
17I0112-03
17I0112-10
17I0112-15
17I0112-19
17I0297-01
17H1672-01
17H1672-09
17I0112-01

REASONABLE CONFIDENCE PROTOCOL
LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name: Con-Test Analytical Laboratory

Client: Weston & Sampson

Project Location: 510 Grand Ave., New Haven, CT

Project Number: 17I0112

Laboratory Sample ID(s):

17I0112-01 thru 17I0112-23

Sample Date(s):

09/05/2017

List RCP Methods Used:

CTDEP ETPH, SW-846 8082A, SW-846 8270D

1	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CTDEP method-specific Reasonable Confidence Protocol documents?	☑ Yes ☐ No
1A	Were the method specified preservation and holding time requirements met?	☑ Yes ☐ No
1B	VPH and EPH Methods only: Was the VPH and EPH method conducted without significant modifications (see Section 11.3 of respective RCP methods)?	☐ Yes ☐ No ☑ N/A
2	Were all samples received by the laboratory in a condition consistent with that described on the associated chain-of-custody document(s)?	☑ Yes ☐ No
3	Were samples received at an appropriate temperature (< 6 degrees C.)?	☑ Yes ☐ No ☐ N/A
4	Were all QA/QC performance criteria specified in the CTDEP Reasonable Confidence Protocol documents achieved?	☐ Yes ☑ No
5A	Were reporting limits specified or referenced on the chain-of-custody?	☑ Yes ☐ No
5B	Were these reporting limits met?	☑ Yes ☐ No
6	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	☐ Yes ☑ No
7	Are project-specific matrix spikes and laboratory duplicates included in this data set?	☑ Yes ☐ No

Notes: For all questions to which the response was "No" (with the exception of question #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A, or #1B is "No", the data package does not meet the requirements for "Reasonable Confidence."
This form may not be altered and all questions must be answered.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete.

Authorized Signature: Lisa Worthington **Position:** **Project Manager**

Printed Name: **Lisa A. Worthington** **Date:** **09/18/17**

Name of Laboratory: **Con-Test Analytical Laboratory**

This certification form is to be used for RCP methods only.

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

September 18, 2017

Malcolm Beeler
Weston & Sampson
273 Dividend Road
Rocky Hill, CT 06067

Project Location: 510 Grand Ave., New Haven, CT
Client Job Number:
Project Number: 2170495
Laboratory Work Order Number: 17I0112

Enclosed are results of analyses for samples received by the laboratory on September 5, 2017. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

James M. Georgantas
Project Manager

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Weston & Sampson
273 Dividend Road
Rocky Hill, CT 06067
ATTN: Malcolm Beeler

REPORT DATE: 9/18/2017

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 2170495

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 17I0112

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: 510 Grand Ave., New Haven, CT

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
WS-AOC12E-SO-5-1	17I0112-01	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 8082A	
WS-AOC12E-SO-5-2	17I0112-02	Soil		SM 2540G	
				SW-846 8082A	
WS-AOC12E-SO-17-1	17I0112-03	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 8082A	
WS-AOC12E-SO-17-2	17I0112-04	Soil		SM 2540G	
				SW-846 8082A	
WS-AOC12E-SO-17-3	17I0112-05	Soil		SM 2540G	
				SW-846 8082A	
WS-AOC12E-SO-35-1	17I0112-06	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 8082A	
WS-AOC12E-SO-35-2	17I0112-07	Soil		SM 2540G	
				SW-846 8082A	
				SW-846 8270D	
WS-AOC12E-SO-35-3	17I0112-08	Soil		SM 2540G	
				SW-846 8082A	
WS-AOC12E-SO-21-1	17I0112-09	Soil		SM 2540G	
				SW-846 8082A	
				SW-846 8270D	
WS-AOC12E-SO-21-2	17I0112-10	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 8082A	
WS-AOC12E-SO-21-3	17I0112-11	Soil		SM 2540G	
				SW-846 8082A	
WS-AOC12E-SO-25-1	17I0112-12	Soil		SM 2540G	
				SW-846 8082A	
WS-AOC12E-SO-25-2	17I0112-13	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 8082A	
WS-AOC12E-SO-25-3	17I0112-14	Soil		SM 2540G	
				SW-846 8082A	
WS-AOC15-SO-1-1	17I0112-15	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 8082A	
WS-AOC15-SO-1-2	17I0112-16	Soil		SM 2540G	
				SW-846 8082A	

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Weston & Sampson
273 Dividend Road
Rocky Hill, CT 06067
ATTN: Malcolm Beeler

REPORT DATE: 9/18/2017

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 2170495

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 17I0112

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: 510 Grand Ave., New Haven, CT

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
WS-AOC15-SO-1-3	17I0112-17	Soil		SM 2540G	
				SW-846 8082A	
WS-AOC12E-SO-42-1	17I0112-18	Soil		SM 2540G	
				SW-846 8082A	
WS-AOC12E-SO-42-2	17I0112-19	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 8082A	
WS-AOC12E-SO-42-3	17I0112-20	Soil		SM 2540G	
				SW-846 8082A	
WS-AOC12E-SO-Dup47	17I0112-21	Soil		SM 2540G	
				SW-846 8082A	
Equipment Blank - 61	17I0112-22	Equipment Blank Water		CTDEP ETPH	
				SW-846 8082A	
				SW-846 8270D	
Equipment Blank - 62	17I0112-23	Equipment Blank Water		CTDEP ETPH	
				SW-846 8082A	
				SW-846 8270D	

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

For method 8270, only PAHs were requested and reported.

CTDEP ETPH

Qualifications:

MS-07A

Matrix spike and spike duplicate recovery is outside of control limits. Analysis is in control based on laboratory fortified blank recovery. Possiblity of matrix effects that lead to low bias or non-homogeneous sample aliquot cannot be eliminated.

Analyte & Samples(s) Qualified:

CT ETPH

17I0112-03[WS-AOC12E-SO-17-1], B185921-MS1, B185921-MSD1

SW-846 8270D

Qualifications:

RL-12

Elevated reporting limit due to matrix interference.

Analyte & Samples(s) Qualified:

17I0112-07[WS-AOC12E-SO-35-2]

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

Lisa A. Worthington
Project Manager

con-test® ANALYTICAL LABORATORY

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0112

Date Received: 9/5/2017

Field Sample #: WS-AOC12E-SO-5-1 Sampled: 9/5/2017 13:30

Sample ID: 17I0112-01

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.098	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 14:07	JMB
Aroclor-1221 [1]	ND	0.098	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 14:07	JMB
Aroclor-1232 [1]	ND	0.098	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 14:07	JMB
Aroclor-1242 [1]	ND	0.098	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 14:07	JMB
Aroclor-1248 [1]	ND	0.098	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 14:07	JMB
Aroclor-1254 [1]	ND	0.098	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 14:07	JMB
Aroclor-1260 [1]	ND	0.098	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 14:07	JMB
Aroclor-1262 [1]	ND	0.098	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 14:07	JMB
Aroclor-1268 [1]	ND	0.098	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 14:07	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	95.4	30-150		9/16/17 14:07
Decachlorobiphenyl [2]	110	30-150		9/16/17 14:07
Tetrachloro-m-xylene [1]	95.8	30-150		9/16/17 14:07
Tetrachloro-m-xylene [2]	91.5	30-150		9/16/17 14:07

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0112

Date Received: 9/5/2017

Field Sample #: WS-AOC12E-SO-5-1 Sampled: 9/5/2017 13:30

Sample ID: 17I0112-01

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	110	12	mg/Kg dry	1		CTDEP ETPH	9/11/17	9/12/17 23:59	SCS

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
o-Terphenyl	86.3	50-150		9/12/17 23:59

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0112

Date Received: 9/5/2017

Field Sample #: WS-AOC12E-SO-5-1 Sampled: 9/5/2017 13:30

Sample ID: 17I0112-01

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	81.9		% Wt	1		SM 2540G	9/6/17	9/7/17 8:08	MRL

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0112

Date Received: 9/5/2017

Field Sample #: WS-AOC12E-SO-5-2 Sampled: 9/5/2017 13:31

Sample ID: 17I0112-02

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 14:24	JMB
Aroclor-1221 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 14:24	JMB
Aroclor-1232 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 14:24	JMB
Aroclor-1242 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 14:24	JMB
Aroclor-1248 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 14:24	JMB
Aroclor-1254 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 14:24	JMB
Aroclor-1260 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 14:24	JMB
Aroclor-1262 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 14:24	JMB
Aroclor-1268 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 14:24	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	93.2	30-150		9/16/17 14:24
Decachlorobiphenyl [2]	103	30-150		9/16/17 14:24
Tetrachloro-m-xylene [1]	95.4	30-150		9/16/17 14:24
Tetrachloro-m-xylene [2]	96.1	30-150		9/16/17 14:24

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0112

Date Received: 9/5/2017

Field Sample #: WS-AOC12E-SO-5-2 Sampled: 9/5/2017 13:31

Sample ID: 17I0112-02

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	83.0		% Wt	1		SM 2540G	9/6/17	9/7/17 8:08	MRL

con-test® ANALYTICAL LABORATORY

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0112

Date Received: 9/5/2017

Field Sample #: WS-AOC12E-SO-17-1 Sampled: 9/5/2017 13:40

Sample ID: 17I0112-03

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 14:42	JMB
Aroclor-1221 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 14:42	JMB
Aroclor-1232 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 14:42	JMB
Aroclor-1242 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 14:42	JMB
Aroclor-1248 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 14:42	JMB
Aroclor-1254 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 14:42	JMB
Aroclor-1260 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 14:42	JMB
Aroclor-1262 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 14:42	JMB
Aroclor-1268 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 14:42	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	91.2	30-150		9/16/17 14:42
Decachlorobiphenyl [2]	100	30-150		9/16/17 14:42
Tetrachloro-m-xylene [1]	94.2	30-150		9/16/17 14:42
Tetrachloro-m-xylene [2]	95.9	30-150		9/16/17 14:42

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0112

Date Received: 9/5/2017

Field Sample #: WS-AOC12E-SO-17-1 Sampled: 9/5/2017 13:40

Sample ID: 17I0112-03

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	260	56	mg/Kg dry	5	MS-07A	CTDEP ETPH	9/11/17	9/12/17 21:20	SCS

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
o-Terphenyl	69.1	50-150		9/12/17 21:20

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0112

Date Received: 9/5/2017

Field Sample #: WS-AOC12E-SO-17-1 Sampled: 9/5/2017 13:40

Sample ID: 17I0112-03

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	89.3		% Wt	1		SM 2540G	9/6/17	9/7/17 8:08	MRL

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0112

Date Received: 9/5/2017

Field Sample #: WS-AOC12E-SO-17-2 Sampled: 9/5/2017 13:41

Sample ID: 17I0112-04

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 14:59	JMB
Aroclor-1221 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 14:59	JMB
Aroclor-1232 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 14:59	JMB
Aroclor-1242 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 14:59	JMB
Aroclor-1248 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 14:59	JMB
Aroclor-1254 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 14:59	JMB
Aroclor-1260 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 14:59	JMB
Aroclor-1262 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 14:59	JMB
Aroclor-1268 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 14:59	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	91.2	30-150		9/16/17 14:59
Decachlorobiphenyl [2]	105	30-150		9/16/17 14:59
Tetrachloro-m-xylene [1]	91.1	30-150		9/16/17 14:59
Tetrachloro-m-xylene [2]	95.1	30-150		9/16/17 14:59

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0112

Date Received: 9/5/2017

Field Sample #: WS-AOC12E-SO-17-2 Sampled: 9/5/2017 13:41

Sample ID: 17I0112-04

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	85.9		% Wt	1		SM 2540G	9/6/17	9/7/17 8:08	MRL

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0112

Date Received: 9/5/2017

Field Sample #: WS-AOC12E-SO-17-3 Sampled: 9/5/2017 13:42

Sample ID: 17I0112-05

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 15:17	JMB
Aroclor-1221 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 15:17	JMB
Aroclor-1232 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 15:17	JMB
Aroclor-1242 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 15:17	JMB
Aroclor-1248 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 15:17	JMB
Aroclor-1254 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 15:17	JMB
Aroclor-1260 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 15:17	JMB
Aroclor-1262 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 15:17	JMB
Aroclor-1268 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 15:17	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	100	30-150		9/16/17 15:17
Decachlorobiphenyl [2]	112	30-150		9/16/17 15:17
Tetrachloro-m-xylene [1]	100	30-150		9/16/17 15:17
Tetrachloro-m-xylene [2]	106	30-150		9/16/17 15:17

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0112

Date Received: 9/5/2017

Field Sample #: WS-AOC12E-SO-17-3 Sampled: 9/5/2017 13:42

Sample ID: 17I0112-05

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	87.9		% Wt	1		SM 2540G	9/6/17	9/7/17 8:08	MRL

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0112

Date Received: 9/5/2017

Field Sample #: WS-AOC12E-SO-35-1 Sampled: 9/5/2017 14:03

Sample ID: 17I0112-06

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 15:34	JMB
Aroclor-1221 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 15:34	JMB
Aroclor-1232 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 15:34	JMB
Aroclor-1242 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 15:34	JMB
Aroclor-1248 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 15:34	JMB
Aroclor-1254 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 15:34	JMB
Aroclor-1260 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 15:34	JMB
Aroclor-1262 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 15:34	JMB
Aroclor-1268 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 15:34	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	77.6	30-150		9/16/17 15:34
Decachlorobiphenyl [2]	88.3	30-150		9/16/17 15:34
Tetrachloro-m-xylene [1]	84.8	30-150		9/16/17 15:34
Tetrachloro-m-xylene [2]	84.3	30-150		9/16/17 15:34

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0112

Date Received: 9/5/2017

Field Sample #: WS-AOC12E-SO-35-1 Sampled: 9/5/2017 14:03

Sample ID: 17I0112-06

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	1100	240	mg/Kg dry	10		CTDEP ETPH	9/11/17	9/12/17 21:02	SCS

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
o-Terphenyl	62.2	50-150		9/12/17 21:02

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0112

Date Received: 9/5/2017

Field Sample #: WS-AOC12E-SO-35-1 Sampled: 9/5/2017 14:03

Sample ID: 17I0112-06

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	84.2		% Wt	1		SM 2540G	9/6/17	9/7/17 8:08	MRL

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0112

Date Received: 9/5/2017

Field Sample #: WS-AOC12E-SO-35-2 Sampled: 9/5/2017 14:04

Sample ID: 17I0112-07

Sample Matrix: Soil

Sample Flags: RL-12

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/11/17	9/12/17 17:56	BGL
Acenaphthylene	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/11/17	9/12/17 17:56	BGL
Anthracene	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/11/17	9/12/17 17:56	BGL
Benzo(a)anthracene	0.39	0.38	mg/Kg dry	1		SW-846 8270D	9/11/17	9/12/17 17:56	BGL
Benzo(a)pyrene	0.40	0.38	mg/Kg dry	1		SW-846 8270D	9/11/17	9/12/17 17:56	BGL
Benzo(b)fluoranthene	0.49	0.38	mg/Kg dry	1		SW-846 8270D	9/11/17	9/12/17 17:56	BGL
Benzo(g,h,i)perylene	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/11/17	9/12/17 17:56	BGL
Benzo(k)fluoranthene	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/11/17	9/12/17 17:56	BGL
Chrysene	0.40	0.38	mg/Kg dry	1		SW-846 8270D	9/11/17	9/12/17 17:56	BGL
Dibenz(a,h)anthracene	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/11/17	9/12/17 17:56	BGL
Fluoranthene	0.68	0.38	mg/Kg dry	1		SW-846 8270D	9/11/17	9/12/17 17:56	BGL
Fluorene	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/11/17	9/12/17 17:56	BGL
Indeno(1,2,3-cd)pyrene	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/11/17	9/12/17 17:56	BGL
2-Methylnaphthalene	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/11/17	9/12/17 17:56	BGL
Naphthalene	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/11/17	9/12/17 17:56	BGL
Phenanthrene	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/11/17	9/12/17 17:56	BGL
Pyrene	0.67	0.38	mg/Kg dry	1		SW-846 8270D	9/11/17	9/12/17 17:56	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Nitrobenzene-d5	35.1	30-130		9/12/17 17:56
2-Fluorobiphenyl	37.6	30-130		9/12/17 17:56
p-Terphenyl-d14	42.2	30-130		9/12/17 17:56

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0112

Date Received: 9/5/2017

Field Sample #: WS-AOC12E-SO-35-2 Sampled: 9/5/2017 14:04

Sample ID: 17I0112-07

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 15:52	JMB
Aroclor-1221 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 15:52	JMB
Aroclor-1232 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 15:52	JMB
Aroclor-1242 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 15:52	JMB
Aroclor-1248 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 15:52	JMB
Aroclor-1254 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 15:52	JMB
Aroclor-1260 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 15:52	JMB
Aroclor-1262 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 15:52	JMB
Aroclor-1268 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 15:52	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	76.8	30-150		9/16/17 15:52
Decachlorobiphenyl [2]	86.7	30-150		9/16/17 15:52
Tetrachloro-m-xylene [1]	88.2	30-150		9/16/17 15:52
Tetrachloro-m-xylene [2]	92.2	30-150		9/16/17 15:52

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0112

Date Received: 9/5/2017

Field Sample #: WS-AOC12E-SO-35-2 Sampled: 9/5/2017 14:04

Sample ID: 17I0112-07

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	90.4		% Wt	1		SM 2540G	9/6/17	9/7/17 8:08	MRL

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0112

Date Received: 9/5/2017

Field Sample #: WS-AOC12E-SO-35-3 Sampled: 9/5/2017 14:05

Sample ID: 17I0112-08

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 16:09	JMB
Aroclor-1221 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 16:09	JMB
Aroclor-1232 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 16:09	JMB
Aroclor-1242 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 16:09	JMB
Aroclor-1248 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 16:09	JMB
Aroclor-1254 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 16:09	JMB
Aroclor-1260 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 16:09	JMB
Aroclor-1262 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 16:09	JMB
Aroclor-1268 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 16:09	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	78.4	30-150		9/16/17 16:09
Decachlorobiphenyl [2]	86.1	30-150		9/16/17 16:09
Tetrachloro-m-xylene [1]	89.1	30-150		9/16/17 16:09
Tetrachloro-m-xylene [2]	100	30-150		9/16/17 16:09

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0112

Date Received: 9/5/2017

Field Sample #: WS-AOC12E-SO-35-3 Sampled: 9/5/2017 14:05

Sample ID: 17I0112-08

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	83.9		% Wt	1		SM 2540G	9/6/17	9/7/17 8:08	MRL

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0112

Date Received: 9/5/2017

Field Sample #: WS-AOC12E-SO-21-1 Sampled: 9/5/2017 14:00

Sample ID: 17I0112-09

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.20	mg/Kg dry	1		SW-846 8270D	9/11/17	9/12/17 18:24	BGL
Acenaphthylene	ND	0.20	mg/Kg dry	1		SW-846 8270D	9/11/17	9/12/17 18:24	BGL
Anthracene	ND	0.20	mg/Kg dry	1		SW-846 8270D	9/11/17	9/12/17 18:24	BGL
Benzo(a)anthracene	0.32	0.20	mg/Kg dry	1		SW-846 8270D	9/11/17	9/12/17 18:24	BGL
Benzo(a)pyrene	0.27	0.20	mg/Kg dry	1		SW-846 8270D	9/11/17	9/12/17 18:24	BGL
Benzo(b)fluoranthene	0.41	0.20	mg/Kg dry	1		SW-846 8270D	9/11/17	9/12/17 18:24	BGL
Benzo(g,h,i)perylene	ND	0.20	mg/Kg dry	1		SW-846 8270D	9/11/17	9/12/17 18:24	BGL
Benzo(k)fluoranthene	ND	0.20	mg/Kg dry	1		SW-846 8270D	9/11/17	9/12/17 18:24	BGL
Chrysene	0.45	0.20	mg/Kg dry	1		SW-846 8270D	9/11/17	9/12/17 18:24	BGL
Dibenz(a,h)anthracene	ND	0.20	mg/Kg dry	1		SW-846 8270D	9/11/17	9/12/17 18:24	BGL
Fluoranthene	0.68	0.20	mg/Kg dry	1		SW-846 8270D	9/11/17	9/12/17 18:24	BGL
Fluorene	ND	0.20	mg/Kg dry	1		SW-846 8270D	9/11/17	9/12/17 18:24	BGL
Indeno(1,2,3-cd)pyrene	ND	0.20	mg/Kg dry	1		SW-846 8270D	9/11/17	9/12/17 18:24	BGL
2-Methylnaphthalene	ND	0.20	mg/Kg dry	1		SW-846 8270D	9/11/17	9/12/17 18:24	BGL
Naphthalene	ND	0.20	mg/Kg dry	1		SW-846 8270D	9/11/17	9/12/17 18:24	BGL
Phenanthrene	0.47	0.20	mg/Kg dry	1		SW-846 8270D	9/11/17	9/12/17 18:24	BGL
Pyrene	0.56	0.20	mg/Kg dry	1		SW-846 8270D	9/11/17	9/12/17 18:24	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Nitrobenzene-d5	44.9	30-130		9/12/17 18:24
2-Fluorobiphenyl	53.0	30-130		9/12/17 18:24
p-Terphenyl-d14	60.1	30-130		9/12/17 18:24

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0112

Date Received: 9/5/2017

Field Sample #: WS-AOC12E-SO-21-1 Sampled: 9/5/2017 14:00

Sample ID: 17I0112-09

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 16:27	JMB
Aroclor-1221 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 16:27	JMB
Aroclor-1232 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 16:27	JMB
Aroclor-1242 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 16:27	JMB
Aroclor-1248 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 16:27	JMB
Aroclor-1254 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 16:27	JMB
Aroclor-1260 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 16:27	JMB
Aroclor-1262 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 16:27	JMB
Aroclor-1268 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 16:27	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	78.2	30-150		9/16/17 16:27
Decachlorobiphenyl [2]	84.8	30-150		9/16/17 16:27
Tetrachloro-m-xylene [1]	86.6	30-150		9/16/17 16:27
Tetrachloro-m-xylene [2]	91.5	30-150		9/16/17 16:27

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0112

Date Received: 9/5/2017

Field Sample #: WS-AOC12E-SO-21-1 Sampled: 9/5/2017 14:00

Sample ID: 17I0112-09

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	83.3		% Wt	1		SM 2540G	9/6/17	9/7/17 8:08	MRL

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0112

Date Received: 9/5/2017

Field Sample #: WS-AOC12E-SO-21-2 Sampled: 9/5/2017 14:01

Sample ID: 17I0112-10

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.097	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 17:32	JMB
Aroclor-1221 [1]	ND	0.097	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 17:32	JMB
Aroclor-1232 [1]	ND	0.097	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 17:32	JMB
Aroclor-1242 [1]	ND	0.097	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 17:32	JMB
Aroclor-1248 [1]	ND	0.097	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 17:32	JMB
Aroclor-1254 [1]	ND	0.097	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 17:32	JMB
Aroclor-1260 [1]	ND	0.097	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 17:32	JMB
Aroclor-1262 [1]	ND	0.097	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 17:32	JMB
Aroclor-1268 [1]	ND	0.097	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 17:32	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	90.5	30-150		9/16/17 17:32
Decachlorobiphenyl [2]	99.8	30-150		9/16/17 17:32
Tetrachloro-m-xylene [1]	94.4	30-150		9/16/17 17:32
Tetrachloro-m-xylene [2]	100	30-150		9/16/17 17:32

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0112

Date Received: 9/5/2017

Field Sample #: WS-AOC12E-SO-21-2 Sampled: 9/5/2017 14:01

Sample ID: 17I0112-10

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	200	62	mg/Kg dry	5		CTDEP ETPH	9/11/17	9/12/17 22:13	SCS

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
o-Terphenyl	92.9	50-150		9/12/17 22:13

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0112

Date Received: 9/5/2017

Field Sample #: WS-AOC12E-SO-21-2 Sampled: 9/5/2017 14:01

Sample ID: 17I0112-10

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	80.8		% Wt	1		SM 2540G	9/6/17	9/7/17 8:08	MRL

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0112

Date Received: 9/5/2017

Field Sample #: WS-AOC12E-SO-21-3 Sampled: 9/5/2017 14:02

Sample ID: 17I0112-11

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 17:49	JMB
Aroclor-1221 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 17:49	JMB
Aroclor-1232 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 17:49	JMB
Aroclor-1242 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 17:49	JMB
Aroclor-1248 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 17:49	JMB
Aroclor-1254 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 17:49	JMB
Aroclor-1260 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 17:49	JMB
Aroclor-1262 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 17:49	JMB
Aroclor-1268 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 17:49	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	86.2	30-150		9/16/17 17:49
Decachlorobiphenyl [2]	92.2	30-150		9/16/17 17:49
Tetrachloro-m-xylene [1]	89.8	30-150		9/16/17 17:49
Tetrachloro-m-xylene [2]	92.4	30-150		9/16/17 17:49

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0112

Date Received: 9/5/2017

Field Sample #: WS-AOC12E-SO-21-3 Sampled: 9/5/2017 14:02

Sample ID: 17I0112-11

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	83.2		% Wt	1		SM 2540G	9/6/17	9/7/17 8:08	MRL

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0112

Date Received: 9/5/2017

Field Sample #: WS-AOC12E-SO-25-1 Sampled: 9/5/2017 14:14

Sample ID: 17I0112-12

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 18:07	JMB
Aroclor-1221 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 18:07	JMB
Aroclor-1232 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 18:07	JMB
Aroclor-1242 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 18:07	JMB
Aroclor-1248 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 18:07	JMB
Aroclor-1254 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 18:07	JMB
Aroclor-1260 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 18:07	JMB
Aroclor-1262 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 18:07	JMB
Aroclor-1268 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 18:07	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	95.6	30-150		9/16/17 18:07
Decachlorobiphenyl [2]	102	30-150		9/16/17 18:07
Tetrachloro-m-xylene [1]	110	30-150		9/16/17 18:07
Tetrachloro-m-xylene [2]	118	30-150		9/16/17 18:07

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0112

Date Received: 9/5/2017

Field Sample #: WS-AOC12E-SO-25-1 Sampled: 9/5/2017 14:14

Sample ID: 17I0112-12

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	93.6		% Wt	1		SM 2540G	9/6/17	9/7/17 8:08	MRL

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0112

Date Received: 9/5/2017

Field Sample #: WS-AOC12E-SO-25-2 Sampled: 9/5/2017 14:15

Sample ID: 17I0112-13

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.098	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 18:24	JMB
Aroclor-1221 [1]	ND	0.098	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 18:24	JMB
Aroclor-1232 [1]	ND	0.098	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 18:24	JMB
Aroclor-1242 [1]	ND	0.098	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 18:24	JMB
Aroclor-1248 [1]	ND	0.098	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 18:24	JMB
Aroclor-1254 [1]	ND	0.098	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 18:24	JMB
Aroclor-1260 [1]	ND	0.098	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 18:24	JMB
Aroclor-1262 [1]	ND	0.098	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 18:24	JMB
Aroclor-1268 [1]	ND	0.098	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 18:24	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	88.4	30-150		9/16/17 18:24
Decachlorobiphenyl [2]	94.8	30-150		9/16/17 18:24
Tetrachloro-m-xylene [1]	96.3	30-150		9/16/17 18:24
Tetrachloro-m-xylene [2]	107	30-150		9/16/17 18:24

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0112

Date Received: 9/5/2017

Field Sample #: WS-AOC12E-SO-25-2 Sampled: 9/5/2017 14:15

Sample ID: 17I0112-13

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	23	12	mg/Kg dry	1		CTDEP ETPH	9/11/17	9/12/17 18:57	SCS

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
o-Terphenyl	82.0	50-150		9/12/17 18:57

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0112

Date Received: 9/5/2017

Field Sample #: WS-AOC12E-SO-25-2 Sampled: 9/5/2017 14:15

Sample ID: 17I0112-13

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	81.8		% Wt	1		SM 2540G	9/6/17	9/7/17 8:08	MRL

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0112

Date Received: 9/5/2017

Field Sample #: WS-AOC12E-SO-25-3 Sampled: 9/5/2017 14:16

Sample ID: 17I0112-14

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 18:42	JMB
Aroclor-1221 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 18:42	JMB
Aroclor-1232 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 18:42	JMB
Aroclor-1242 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 18:42	JMB
Aroclor-1248 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 18:42	JMB
Aroclor-1254 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 18:42	JMB
Aroclor-1260 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 18:42	JMB
Aroclor-1262 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 18:42	JMB
Aroclor-1268 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 18:42	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	85.4	30-150		9/16/17 18:42
Decachlorobiphenyl [2]	94.3	30-150		9/16/17 18:42
Tetrachloro-m-xylene [1]	87.7	30-150		9/16/17 18:42
Tetrachloro-m-xylene [2]	93.1	30-150		9/16/17 18:42

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0112

Date Received: 9/5/2017

Field Sample #: WS-AOC12E-SO-25-3 Sampled: 9/5/2017 14:16

Sample ID: 17I0112-14

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	72.8		% Wt	1		SM 2540G	9/6/17	9/7/17 8:08	MRL

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0112

Date Received: 9/5/2017

Field Sample #: WS-AOC15-SO-1-1 Sampled: 9/5/2017 14:27

Sample ID: 17I0112-15

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 18:59	JMB
Aroclor-1221 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 18:59	JMB
Aroclor-1232 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 18:59	JMB
Aroclor-1242 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 18:59	JMB
Aroclor-1248 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 18:59	JMB
Aroclor-1254 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 18:59	JMB
Aroclor-1260 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 18:59	JMB
Aroclor-1262 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 18:59	JMB
Aroclor-1268 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 18:59	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	88.4	30-150		9/16/17 18:59
Decachlorobiphenyl [2]	98.6	30-150		9/16/17 18:59
Tetrachloro-m-xylene [1]	95.9	30-150		9/16/17 18:59
Tetrachloro-m-xylene [2]	102	30-150		9/16/17 18:59

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0112

Date Received: 9/5/2017

Field Sample #: WS-AOC15-SO-1-1 Sampled: 9/5/2017 14:27

Sample ID: 17I0112-15

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	220	120	mg/Kg dry	10		CTDEP ETPH	9/11/17	9/12/17 22:31	SCS

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
o-Terphenyl	51.4	50-150		9/12/17 22:31

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0112

Date Received: 9/5/2017

Field Sample #: WS-AOC15-SO-1-1 Sampled: 9/5/2017 14:27

Sample ID: 17I0112-15

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	83.7		% Wt	1		SM 2540G	9/6/17	9/7/17 8:08	MRL

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0112

Date Received: 9/5/2017

Field Sample #: WS-AOC15-SO-1-2 Sampled: 9/5/2017 14:28

Sample ID: 17I0112-16

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.099	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 19:16	JMB
Aroclor-1221 [1]	ND	0.099	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 19:16	JMB
Aroclor-1232 [1]	ND	0.099	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 19:16	JMB
Aroclor-1242 [1]	ND	0.099	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 19:16	JMB
Aroclor-1248 [1]	ND	0.099	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 19:16	JMB
Aroclor-1254 [1]	ND	0.099	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 19:16	JMB
Aroclor-1260 [1]	ND	0.099	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 19:16	JMB
Aroclor-1262 [1]	ND	0.099	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 19:16	JMB
Aroclor-1268 [1]	ND	0.099	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 19:16	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	86.9	30-150		9/16/17 19:16
Decachlorobiphenyl [2]	102	30-150		9/16/17 19:16
Tetrachloro-m-xylene [1]	94.2	30-150		9/16/17 19:16
Tetrachloro-m-xylene [2]	89.6	30-150		9/16/17 19:16

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0112

Date Received: 9/5/2017

Field Sample #: WS-AOC15-SO-1-2 Sampled: 9/5/2017 14:28

Sample ID: 17I0112-16

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	80.8		% Wt	1		SM 2540G	9/6/17	9/7/17 8:08	MRL

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0112

Date Received: 9/5/2017

Field Sample #: WS-AOC15-SO-1-3 Sampled: 9/5/2017 14:29

Sample ID: 17I0112-17

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.097	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 19:34	JMB
Aroclor-1221 [1]	ND	0.097	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 19:34	JMB
Aroclor-1232 [1]	ND	0.097	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 19:34	JMB
Aroclor-1242 [1]	ND	0.097	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 19:34	JMB
Aroclor-1248 [1]	ND	0.097	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 19:34	JMB
Aroclor-1254 [1]	ND	0.097	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 19:34	JMB
Aroclor-1260 [1]	ND	0.097	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 19:34	JMB
Aroclor-1262 [1]	ND	0.097	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 19:34	JMB
Aroclor-1268 [1]	ND	0.097	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 19:34	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	74.4	30-150		9/16/17 19:34
Decachlorobiphenyl [2]	80.4	30-150		9/16/17 19:34
Tetrachloro-m-xylene [1]	80.3	30-150		9/16/17 19:34
Tetrachloro-m-xylene [2]	85.3	30-150		9/16/17 19:34

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0112

Date Received: 9/5/2017

Field Sample #: WS-AOC15-SO-1-3 Sampled: 9/5/2017 14:29

Sample ID: 17I0112-17

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	82.6		% Wt	1		SM 2540G	9/6/17	9/7/17 8:08	MRL

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0112

Date Received: 9/5/2017

Field Sample #: WS-AOC12E-SO-42-1 Sampled: 9/5/2017 14:59

Sample ID: 17I0112-18

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 19:51	JMB
Aroclor-1221 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 19:51	JMB
Aroclor-1232 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 19:51	JMB
Aroclor-1242 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 19:51	JMB
Aroclor-1248 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 19:51	JMB
Aroclor-1254 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 19:51	JMB
Aroclor-1260 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 19:51	JMB
Aroclor-1262 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 19:51	JMB
Aroclor-1268 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 19:51	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	82.7	30-150		9/16/17 19:51
Decachlorobiphenyl [2]	89.4	30-150		9/16/17 19:51
Tetrachloro-m-xylene [1]	92.2	30-150		9/16/17 19:51
Tetrachloro-m-xylene [2]	93.5	30-150		9/16/17 19:51

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0112

Date Received: 9/5/2017

Field Sample #: WS-AOC12E-SO-42-1 Sampled: 9/5/2017 14:59

Sample ID: 17I0112-18

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	93.6		% Wt	1		SM 2540G	9/6/17	9/7/17 8:08	MRL

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0112

Date Received: 9/5/2017

Field Sample #: WS-AOC12E-SO-42-2 Sampled: 9/5/2017 15:00

Sample ID: 17I0112-19

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 20:09	JMB
Aroclor-1221 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 20:09	JMB
Aroclor-1232 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 20:09	JMB
Aroclor-1242 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 20:09	JMB
Aroclor-1248 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 20:09	JMB
Aroclor-1254 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 20:09	JMB
Aroclor-1260 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 20:09	JMB
Aroclor-1262 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 20:09	JMB
Aroclor-1268 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 20:09	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	62.7	30-150		9/16/17 20:09
Decachlorobiphenyl [2]	67.8	30-150		9/16/17 20:09
Tetrachloro-m-xylene [1]	81.2	30-150		9/16/17 20:09
Tetrachloro-m-xylene [2]	96.9	30-150		9/16/17 20:09

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0112

Date Received: 9/5/2017

Field Sample #: WS-AOC12E-SO-42-2 Sampled: 9/5/2017 15:00

Sample ID: 17I0112-19

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	120	110	mg/Kg dry	10		CTDEP ETPH	9/11/17	9/12/17 22:48	SCS

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
o-Terphenyl	88.4	50-150		9/12/17 22:48

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0112

Date Received: 9/5/2017

Field Sample #: WS-AOC12E-SO-42-2 Sampled: 9/5/2017 15:00

Sample ID: 17I0112-19

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	93.0		% Wt	1		SM 2540G	9/6/17	9/7/17 8:08	MRL

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0112

Date Received: 9/5/2017

Field Sample #: WS-AOC12E-SO-42-3 Sampled: 9/5/2017 15:01

Sample ID: 17I0112-20

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 20:26	JMB
Aroclor-1221 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 20:26	JMB
Aroclor-1232 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 20:26	JMB
Aroclor-1242 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 20:26	JMB
Aroclor-1248 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 20:26	JMB
Aroclor-1254 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 20:26	JMB
Aroclor-1260 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 20:26	JMB
Aroclor-1262 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 20:26	JMB
Aroclor-1268 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	9/10/17	9/16/17 20:26	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	58.9	30-150		9/16/17 20:26
Decachlorobiphenyl [2]	64.4	30-150		9/16/17 20:26
Tetrachloro-m-xylene [1]	70.4	30-150		9/16/17 20:26
Tetrachloro-m-xylene [2]	65.6	30-150		9/16/17 20:26

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0112

Date Received: 9/5/2017

Field Sample #: WS-AOC12E-SO-42-3 Sampled: 9/5/2017 15:01

Sample ID: 17I0112-20

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	75.4		% Wt	1		SM 2540G	9/6/17	9/7/17 8:08	MRL

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0112

Date Received: 9/5/2017

Field Sample #: WS-AOC12E-SO-Dup47 Sampled: 9/5/2017 00:00

Sample ID: 17I0112-21

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	9/8/17	9/11/17 18:49	TG
Aroclor-1221 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	9/8/17	9/11/17 18:49	TG
Aroclor-1232 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	9/8/17	9/11/17 18:49	TG
Aroclor-1242 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	9/8/17	9/11/17 18:49	TG
Aroclor-1248 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	9/8/17	9/11/17 18:49	TG
Aroclor-1254 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	9/8/17	9/11/17 18:49	TG
Aroclor-1260 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	9/8/17	9/11/17 18:49	TG
Aroclor-1262 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	9/8/17	9/11/17 18:49	TG
Aroclor-1268 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	9/8/17	9/11/17 18:49	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	73.6	30-150		9/11/17 18:49
Decachlorobiphenyl [2]	89.8	30-150		9/11/17 18:49
Tetrachloro-m-xylene [1]	83.6	30-150		9/11/17 18:49
Tetrachloro-m-xylene [2]	77.2	30-150		9/11/17 18:49

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0112

Date Received: 9/5/2017

Field Sample #: WS-AOC12E-SO-Dup47 Sampled: 9/5/2017 00:00

Sample ID: 17I0112-21

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	76.9		% Wt	1		SM 2540G	9/6/17	9/7/17 8:08	MRL

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0112

Date Received: 9/5/2017

Field Sample #: Equipment Blank - 61 Sampled: 9/5/2017 12:00

Sample ID: 17I0112-22

Sample Matrix: Equipment Blank Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene (SIM)	ND	0.30	µg/L	1		SW-846 8270D	9/12/17	9/14/17 17:06	CJM
Acenaphthylene (SIM)	ND	0.30	µg/L	1		SW-846 8270D	9/12/17	9/14/17 17:06	CJM
Anthracene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	9/12/17	9/14/17 17:06	CJM
Benzo(a)anthracene (SIM)	ND	0.050	µg/L	1		SW-846 8270D	9/12/17	9/14/17 17:06	CJM
Benzo(a)pyrene (SIM)	ND	0.10	µg/L	1		SW-846 8270D	9/12/17	9/14/17 17:06	CJM
Benzo(b)fluoranthene (SIM)	ND	0.050	µg/L	1		SW-846 8270D	9/12/17	9/14/17 17:06	CJM
Benzo(g,h,i)perylene (SIM)	ND	0.50	µg/L	1		SW-846 8270D	9/12/17	9/14/17 17:06	CJM
Benzo(k)fluoranthene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	9/12/17	9/14/17 17:06	CJM
Chrysene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	9/12/17	9/14/17 17:06	CJM
Dibenz(a,h)anthracene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	9/12/17	9/14/17 17:06	CJM
Fluoranthene (SIM)	ND	0.50	µg/L	1		SW-846 8270D	9/12/17	9/14/17 17:06	CJM
Fluorene (SIM)	ND	1.0	µg/L	1		SW-846 8270D	9/12/17	9/14/17 17:06	CJM
Indeno(1,2,3-cd)pyrene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	9/12/17	9/14/17 17:06	CJM
2-Methylnaphthalene (SIM)	ND	1.0	µg/L	1		SW-846 8270D	9/12/17	9/14/17 17:06	CJM
Naphthalene (SIM)	ND	1.0	µg/L	1		SW-846 8270D	9/12/17	9/14/17 17:06	CJM
Phenanthrene (SIM)	ND	0.050	µg/L	1		SW-846 8270D	9/12/17	9/14/17 17:06	CJM
Pyrene (SIM)	ND	1.0	µg/L	1		SW-846 8270D	9/12/17	9/14/17 17:06	CJM

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Nitrobenzene-d5	85.5	30-130		9/14/17 17:06
2-Fluorobiphenyl	80.0	30-130		9/14/17 17:06
p-Terphenyl-d14	80.2	30-130		9/14/17 17:06

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0112

Date Received: 9/5/2017

Field Sample #: Equipment Blank - 61 Sampled: 9/5/2017 12:00

Sample ID: 17I0112-22

Sample Matrix: Equipment Blank Water

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/11/17	9/14/17 17:16	JMB
Aroclor-1221 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/11/17	9/14/17 17:16	JMB
Aroclor-1232 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/11/17	9/14/17 17:16	JMB
Aroclor-1242 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/11/17	9/14/17 17:16	JMB
Aroclor-1248 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/11/17	9/14/17 17:16	JMB
Aroclor-1254 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/11/17	9/14/17 17:16	JMB
Aroclor-1260 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/11/17	9/14/17 17:16	JMB
Aroclor-1262 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/11/17	9/14/17 17:16	JMB
Aroclor-1268 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/11/17	9/14/17 17:16	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	74.3	30-150		9/14/17 17:16
Decachlorobiphenyl [2]	74.0	30-150		9/14/17 17:16
Tetrachloro-m-xylene [1]	95.5	30-150		9/14/17 17:16
Tetrachloro-m-xylene [2]	79.0	30-150		9/14/17 17:16

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0112

Date Received: 9/5/2017

Field Sample #: Equipment Blank - 61 Sampled: 9/5/2017 12:00

Sample ID: 17I0112-22

Sample Matrix: Equipment Blank Water

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	ND	0.075	mg/L	1		CTDEP ETPH	9/11/17	9/12/17 21:02	SCS

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
o-Terphenyl	73.7	50-150		9/12/17 21:02

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0112

Date Received: 9/5/2017

Field Sample #: Equipment Blank - 62 Sampled: 9/5/2017 12:20

Sample ID: 17I0112-23

Sample Matrix: Equipment Blank Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene (SIM)	ND	0.30	µg/L	1		SW-846 8270D	9/12/17	9/14/17 17:35	CJM
Acenaphthylene (SIM)	ND	0.30	µg/L	1		SW-846 8270D	9/12/17	9/14/17 17:35	CJM
Anthracene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	9/12/17	9/14/17 17:35	CJM
Benzo(a)anthracene (SIM)	ND	0.050	µg/L	1		SW-846 8270D	9/12/17	9/14/17 17:35	CJM
Benzo(a)pyrene (SIM)	ND	0.10	µg/L	1		SW-846 8270D	9/12/17	9/14/17 17:35	CJM
Benzo(b)fluoranthene (SIM)	ND	0.050	µg/L	1		SW-846 8270D	9/12/17	9/14/17 17:35	CJM
Benzo(g,h,i)perylene (SIM)	ND	0.50	µg/L	1		SW-846 8270D	9/12/17	9/14/17 17:35	CJM
Benzo(k)fluoranthene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	9/12/17	9/14/17 17:35	CJM
Chrysene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	9/12/17	9/14/17 17:35	CJM
Dibenz(a,h)anthracene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	9/12/17	9/14/17 17:35	CJM
Fluoranthene (SIM)	ND	0.50	µg/L	1		SW-846 8270D	9/12/17	9/14/17 17:35	CJM
Fluorene (SIM)	ND	1.0	µg/L	1		SW-846 8270D	9/12/17	9/14/17 17:35	CJM
Indeno(1,2,3-cd)pyrene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	9/12/17	9/14/17 17:35	CJM
2-Methylnaphthalene (SIM)	ND	1.0	µg/L	1		SW-846 8270D	9/12/17	9/14/17 17:35	CJM
Naphthalene (SIM)	ND	1.0	µg/L	1		SW-846 8270D	9/12/17	9/14/17 17:35	CJM
Phenanthrene (SIM)	ND	0.050	µg/L	1		SW-846 8270D	9/12/17	9/14/17 17:35	CJM
Pyrene (SIM)	ND	1.0	µg/L	1		SW-846 8270D	9/12/17	9/14/17 17:35	CJM

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Nitrobenzene-d5	86.7	30-130		9/14/17 17:35
2-Fluorobiphenyl	83.4	30-130		9/14/17 17:35
p-Terphenyl-d14	81.6	30-130		9/14/17 17:35

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0112

Date Received: 9/5/2017

Field Sample #: Equipment Blank - 62 Sampled: 9/5/2017 12:20

Sample ID: 17I0112-23

Sample Matrix: Equipment Blank Water

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/11/17	9/14/17 17:28	JMB
Aroclor-1221 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/11/17	9/14/17 17:28	JMB
Aroclor-1232 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/11/17	9/14/17 17:28	JMB
Aroclor-1242 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/11/17	9/14/17 17:28	JMB
Aroclor-1248 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/11/17	9/14/17 17:28	JMB
Aroclor-1254 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/11/17	9/14/17 17:28	JMB
Aroclor-1260 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/11/17	9/14/17 17:28	JMB
Aroclor-1262 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/11/17	9/14/17 17:28	JMB
Aroclor-1268 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/11/17	9/14/17 17:28	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	84.5	30-150		9/14/17 17:28
Decachlorobiphenyl [2]	79.1	30-150		9/14/17 17:28
Tetrachloro-m-xylene [1]	104	30-150		9/14/17 17:28
Tetrachloro-m-xylene [2]	79.6	30-150		9/14/17 17:28

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0112

Date Received: 9/5/2017

Field Sample #: Equipment Blank - 62 Sampled: 9/5/2017 12:20

Sample ID: 17I0112-23

Sample Matrix: Equipment Blank Water

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	ND	0.075	mg/L	1		CTDEP ETPH	9/11/17	9/12/17 21:20	SCS

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
o-Terphenyl	81.8	50-150		9/12/17 21:20

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Sample Extraction Data

Prep Method: SW-846 3546-CTDEP ETPH

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17I0112-01 [WS-AOC12E-SO-5-1]	B185921	30.0	1.00	09/11/17
17I0112-03 [WS-AOC12E-SO-17-1]	B185921	30.0	1.00	09/11/17
17I0112-06 [WS-AOC12E-SO-35-1]	B185921	30.0	2.00	09/11/17
17I0112-10 [WS-AOC12E-SO-21-2]	B185921	30.0	1.00	09/11/17
17I0112-13 [WS-AOC12E-SO-25-2]	B185921	30.0	1.00	09/11/17
17I0112-15 [WS-AOC15-SO-1-1]	B185921	30.0	1.00	09/11/17
17I0112-19 [WS-AOC12E-SO-42-2]	B185921	30.0	1.00	09/11/17

Prep Method: SW-846 3510C-CTDEP ETPH

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
17I0112-22 [Equipment Blank - 61]	B185892	1000	1.00	09/11/17
17I0112-23 [Equipment Blank - 62]	B185892	1000	1.00	09/11/17

Prep Method: % Solids-SM 2540G

Lab Number [Field ID]	Batch	Date
17I0112-01 [WS-AOC12E-SO-5-1]	B185594	09/06/17
17I0112-02 [WS-AOC12E-SO-5-2]	B185594	09/06/17
17I0112-03 [WS-AOC12E-SO-17-1]	B185594	09/06/17
17I0112-04 [WS-AOC12E-SO-17-2]	B185594	09/06/17
17I0112-05 [WS-AOC12E-SO-17-3]	B185594	09/06/17
17I0112-06 [WS-AOC12E-SO-35-1]	B185594	09/06/17
17I0112-07 [WS-AOC12E-SO-35-2]	B185594	09/06/17
17I0112-08 [WS-AOC12E-SO-35-3]	B185594	09/06/17
17I0112-09 [WS-AOC12E-SO-21-1]	B185594	09/06/17
17I0112-10 [WS-AOC12E-SO-21-2]	B185594	09/06/17
17I0112-11 [WS-AOC12E-SO-21-3]	B185594	09/06/17
17I0112-12 [WS-AOC12E-SO-25-1]	B185594	09/06/17
17I0112-13 [WS-AOC12E-SO-25-2]	B185594	09/06/17
17I0112-14 [WS-AOC12E-SO-25-3]	B185594	09/06/17
17I0112-15 [WS-AOC15-SO-1-1]	B185594	09/06/17
17I0112-16 [WS-AOC15-SO-1-2]	B185594	09/06/17
17I0112-17 [WS-AOC15-SO-1-3]	B185594	09/06/17
17I0112-18 [WS-AOC12E-SO-42-1]	B185594	09/06/17
17I0112-19 [WS-AOC12E-SO-42-2]	B185594	09/06/17
17I0112-20 [WS-AOC12E-SO-42-3]	B185594	09/06/17
17I0112-21 [WS-AOC12E-SO-Dup47]	B185594	09/06/17

Prep Method: SW-846 3540C-SW-846 8082A

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17I0112-21 [WS-AOC12E-SO-Dup47]	B185830	10.0	10.0	09/08/17

Prep Method: SW-846 3540C-SW-846 8082A

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17I0112-01 [WS-AOC12E-SO-5-1]	B185867	10.0	10.0	09/10/17
17I0112-02 [WS-AOC12E-SO-5-2]	B185867	10.0	10.0	09/10/17
17I0112-03 [WS-AOC12E-SO-17-1]	B185867	10.0	10.0	09/10/17

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Sample Extraction Data

Prep Method: SW-846 3540C-SW-846 8082A

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17I0112-04 [WS-AOC12E-SO-17-2]	B185867	10.0	10.0	09/10/17
17I0112-05 [WS-AOC12E-SO-17-3]	B185867	10.1	10.0	09/10/17
17I0112-06 [WS-AOC12E-SO-35-1]	B185867	10.1	10.0	09/10/17
17I0112-07 [WS-AOC12E-SO-35-2]	B185867	10.1	10.0	09/10/17
17I0112-08 [WS-AOC12E-SO-35-3]	B185867	10.0	10.0	09/10/17
17I0112-09 [WS-AOC12E-SO-21-1]	B185867	10.2	10.0	09/10/17
17I0112-10 [WS-AOC12E-SO-21-2]	B185867	10.2	10.0	09/10/17
17I0112-11 [WS-AOC12E-SO-21-3]	B185867	10.2	10.0	09/10/17
17I0112-12 [WS-AOC12E-SO-25-1]	B185867	10.4	10.0	09/10/17
17I0112-13 [WS-AOC12E-SO-25-2]	B185867	10.0	10.0	09/10/17
17I0112-14 [WS-AOC12E-SO-25-3]	B185867	10.5	10.0	09/10/17
17I0112-15 [WS-AOC15-SO-1-1]	B185867	10.1	10.0	09/10/17
17I0112-16 [WS-AOC15-SO-1-2]	B185867	10.0	10.0	09/10/17
17I0112-17 [WS-AOC15-SO-1-3]	B185867	10.0	10.0	09/10/17
17I0112-18 [WS-AOC12E-SO-42-1]	B185867	10.0	10.0	09/10/17
17I0112-19 [WS-AOC12E-SO-42-2]	B185867	10.1	10.0	09/10/17
17I0112-20 [WS-AOC12E-SO-42-3]	B185867	10.4	10.0	09/10/17

Prep Method: SW-846 3510C-SW-846 8082A

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
17I0112-22 [Equipment Blank - 61]	B185890	1000	10.0	09/11/17
17I0112-23 [Equipment Blank - 62]	B185890	1000	10.0	09/11/17

Prep Method: SW-846 3546-SW-846 8270D

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17I0112-07 [WS-AOC12E-SO-35-2]	B185922	30.0	2.00	09/11/17
17I0112-09 [WS-AOC12E-SO-21-1]	B185922	30.0	1.00	09/11/17

Prep Method: SW-846 3510C-SW-846 8270D

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
17I0112-22 [Equipment Blank - 61]	B185977	1000	1.00	09/12/17
17I0112-23 [Equipment Blank - 62]	B185977	1000	1.00	09/12/17

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B185922 - SW-846 3546										
Blank (B185922-BLK1)				Prepared: 09/11/17 Analyzed: 09/12/17						
Acenaphthene	ND	0.17	mg/Kg wet							
Acenaphthylene	ND	0.17	mg/Kg wet							
Anthracene	ND	0.17	mg/Kg wet							
Benzo(a)anthracene	ND	0.17	mg/Kg wet							
Benzo(a)pyrene	ND	0.17	mg/Kg wet							
Benzo(b)fluoranthene	ND	0.17	mg/Kg wet							
Benzo(g,h,i)perylene	ND	0.17	mg/Kg wet							
Benzo(k)fluoranthene	ND	0.17	mg/Kg wet							
Chrysene	ND	0.17	mg/Kg wet							
Dibenz(a,h)anthracene	ND	0.17	mg/Kg wet							
Fluoranthene	ND	0.17	mg/Kg wet							
Fluorene	ND	0.17	mg/Kg wet							
Indeno(1,2,3-cd)pyrene	ND	0.17	mg/Kg wet							
2-Methylnaphthalene	ND	0.17	mg/Kg wet							
Naphthalene	ND	0.17	mg/Kg wet							
Phenanthrene	ND	0.17	mg/Kg wet							
Pyrene	ND	0.17	mg/Kg wet							
Surrogate: Nitrobenzene-d5	*2.10*		mg/Kg wet	3.33		63.1	30-130			
Surrogate: 2-Fluorobiphenyl	*2.35*		mg/Kg wet	3.33		70.6	30-130			
Surrogate: p-Terphenyl-d14	*2.99*		mg/Kg wet	3.33		89.8	30-130			
LCS (B185922-BS1)				Prepared: 09/11/17 Analyzed: 09/12/17						
Acenaphthene	0.960	0.17	mg/Kg wet	1.67		57.6	40-140			
Acenaphthylene	0.963	0.17	mg/Kg wet	1.67		57.8	40-140			
Anthracene	1.05	0.17	mg/Kg wet	1.67		63.1	40-140			
Benzo(a)anthracene	1.12	0.17	mg/Kg wet	1.67		67.1	40-140			
Benzo(a)pyrene	1.08	0.17	mg/Kg wet	1.67		65.0	40-140			
Benzo(b)fluoranthene	1.03	0.17	mg/Kg wet	1.67		61.7	40-140			
Benzo(g,h,i)perylene	0.926	0.17	mg/Kg wet	1.67		55.6	40-140			
Benzo(k)fluoranthene	1.03	0.17	mg/Kg wet	1.67		61.9	40-140			
Chrysene	1.05	0.17	mg/Kg wet	1.67		62.8	40-140			
Dibenz(a,h)anthracene	1.03	0.17	mg/Kg wet	1.67		61.7	40-140			
Fluoranthene	1.06	0.17	mg/Kg wet	1.67		63.5	40-140			
Fluorene	1.02	0.17	mg/Kg wet	1.67		61.5	40-140			
Indeno(1,2,3-cd)pyrene	1.02	0.17	mg/Kg wet	1.67		60.9	40-140			
2-Methylnaphthalene	1.06	0.17	mg/Kg wet	1.67		63.4	40-140			
Naphthalene	0.987	0.17	mg/Kg wet	1.67		59.2	40-140			
Phenanthrene	1.05	0.17	mg/Kg wet	1.67		63.2	40-140			
Pyrene	1.06	0.17	mg/Kg wet	1.67		63.7	40-140			
Surrogate: Nitrobenzene-d5	*2.22*		mg/Kg wet	3.33		66.5	30-130			
Surrogate: 2-Fluorobiphenyl	*2.46*		mg/Kg wet	3.33		73.7	30-130			
Surrogate: p-Terphenyl-d14	*2.62*		mg/Kg wet	3.33		78.7	30-130			

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B185922 - SW-846 3546										
LCS Dup (B185922-BSD1)				Prepared: 09/11/17 Analyzed: 09/12/17						
Acenaphthene	1.04	0.17	mg/Kg wet	1.67		62.5	40-140	8.16	30	
Acenaphthylene	1.04	0.17	mg/Kg wet	1.67		62.6	40-140	8.07	30	
Anthracene	1.12	0.17	mg/Kg wet	1.67		67.5	40-140	6.77	30	
Benzo(a)anthracene	1.20	0.17	mg/Kg wet	1.67		72.0	40-140	7.16	30	
Benzo(a)pyrene	1.16	0.17	mg/Kg wet	1.67		69.3	40-140	6.34	30	
Benzo(b)fluoranthene	1.12	0.17	mg/Kg wet	1.67		67.5	40-140	8.88	30	
Benzo(g,h,i)perylene	1.07	0.17	mg/Kg wet	1.67		64.3	40-140	14.5	30	
Benzo(k)fluoranthene	1.12	0.17	mg/Kg wet	1.67		67.2	40-140	8.21	30	
Chrysene	1.13	0.17	mg/Kg wet	1.67		67.6	40-140	7.42	30	
Dibenz(a,h)anthracene	1.10	0.17	mg/Kg wet	1.67		66.2	40-140	6.94	30	
Fluoranthene	1.14	0.17	mg/Kg wet	1.67		68.2	40-140	7.20	30	
Fluorene	1.10	0.17	mg/Kg wet	1.67		66.3	40-140	7.58	30	
Indeno(1,2,3-cd)pyrene	1.09	0.17	mg/Kg wet	1.67		65.5	40-140	7.31	30	
2-Methylnaphthalene	1.18	0.17	mg/Kg wet	1.67		71.0	40-140	11.3	30	
Naphthalene	1.09	0.17	mg/Kg wet	1.67		65.5	40-140	10.0	30	
Phenanthrene	1.15	0.17	mg/Kg wet	1.67		69.0	40-140	8.74	30	
Pyrene	1.16	0.17	mg/Kg wet	1.67		69.7	40-140	9.00	30	
Surrogate: Nitrobenzene-d5	*2.46*		mg/Kg wet	3.33		73.7	30-130			
Surrogate: 2-Fluorobiphenyl	*2.69*		mg/Kg wet	3.33		80.6	30-130			
Surrogate: p-Terphenyl-d14	*2.85*		mg/Kg wet	3.33		85.5	30-130			
Batch B185977 - SW-846 3510C										
Blank (B185977-BLK1)				Prepared: 09/12/17 Analyzed: 09/13/17						
Acenaphthene (SIM)	ND	0.30	µg/L							
Acenaphthylene (SIM)	ND	0.30	µg/L							
Anthracene (SIM)	ND	0.20	µg/L							
Benzo(a)anthracene (SIM)	ND	0.050	µg/L							
Benzo(a)pyrene (SIM)	ND	0.10	µg/L							
Benzo(b)fluoranthene (SIM)	ND	0.050	µg/L							
Benzo(g,h,i)perylene (SIM)	ND	0.50	µg/L							
Benzo(k)fluoranthene (SIM)	ND	0.20	µg/L							
Chrysene (SIM)	ND	0.20	µg/L							
Dibenz(a,h)anthracene (SIM)	ND	0.20	µg/L							
Fluoranthene (SIM)	ND	0.50	µg/L							
Fluorene (SIM)	ND	1.0	µg/L							
Indeno(1,2,3-cd)pyrene (SIM)	ND	0.20	µg/L							
2-Methylnaphthalene (SIM)	ND	1.0	µg/L							
Naphthalene (SIM)	ND	1.0	µg/L							
Phenanthrene (SIM)	ND	0.050	µg/L							
Pyrene (SIM)	ND	1.0	µg/L							
Surrogate: Nitrobenzene-d5	*87.6*		µg/L	100		87.6	30-130			
Surrogate: 2-Fluorobiphenyl	*85.2*		µg/L	100		85.2	30-130			
Surrogate: p-Terphenyl-d14	*82.4*		µg/L	100		82.4	30-130			

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B185977 - SW-846 3510C										
LCS (B185977-BS1)				Prepared: 09/12/17 Analyzed: 09/13/17						
Acenaphthene (SIM)	44.1	7.5	µg/L	50.0		88.2	40-140			
Acenaphthylene (SIM)	43.3	7.5	µg/L	50.0		86.6	40-140			
Anthracene (SIM)	46.5	5.0	µg/L	50.0		93.0	40-140			
Benzo(a)anthracene (SIM)	46.9	1.2	µg/L	50.0		93.8	40-140			
Benzo(a)pyrene (SIM)	48.5	2.5	µg/L	50.0		97.0	40-140			
Benzo(b)fluoranthene (SIM)	48.3	1.2	µg/L	50.0		96.6	40-140			
Benzo(g,h,i)perylene (SIM)	46.6	12	µg/L	50.0		93.3	40-140			
Benzo(k)fluoranthene (SIM)	46.8	5.0	µg/L	50.0		93.5	40-140			
Chrysene (SIM)	46.8	5.0	µg/L	50.0		93.6	40-140			
Dibenz(a,h)anthracene (SIM)	45.5	5.0	µg/L	50.0		91.0	40-140			
Fluoranthene (SIM)	45.6	12	µg/L	50.0		91.2	40-140			
Fluorene (SIM)	44.5	25	µg/L	50.0		89.0	40-140			
Indeno(1,2,3-cd)pyrene (SIM)	46.9	5.0	µg/L	50.0		93.8	40-140			
2-Methylnaphthalene (SIM)	41.6	25	µg/L	50.0		83.2	40-140			
Naphthalene (SIM)	40.2	25	µg/L	50.0		80.4	40-140			
Phenanthrene (SIM)	45.1	1.2	µg/L	50.0		90.2	40-140			
Pyrene (SIM)	46.9	25	µg/L	50.0		93.8	40-140			
Surrogate: Nitrobenzene-d5	*92.6*		µg/L	100		92.6	30-130			
Surrogate: 2-Fluorobiphenyl	*93.5*		µg/L	100		93.5	30-130			
Surrogate: p-Terphenyl-d14	*74.5*		µg/L	100		74.5	30-130			
LCS Dup (B185977-BSD1)				Prepared: 09/12/17 Analyzed: 09/13/17						
Acenaphthene (SIM)	48.9	7.5	µg/L	50.0		97.8	40-140	10.2	20	
Acenaphthylene (SIM)	47.9	7.5	µg/L	50.0		95.8	40-140	10.0	20	
Anthracene (SIM)	51.2	5.0	µg/L	50.0		102	40-140	9.72	20	
Benzo(a)anthracene (SIM)	51.8	1.2	µg/L	50.0		104	40-140	10.0	20	
Benzo(a)pyrene (SIM)	53.8	2.5	µg/L	50.0		108	40-140	10.4	20	
Benzo(b)fluoranthene (SIM)	54.4	1.2	µg/L	50.0		109	40-140	12.0	20	
Benzo(g,h,i)perylene (SIM)	51.4	12	µg/L	50.0		103	40-140	9.59	20	
Benzo(k)fluoranthene (SIM)	52.5	5.0	µg/L	50.0		105	40-140	11.6	20	
Chrysene (SIM)	51.9	5.0	µg/L	50.0		104	40-140	10.2	20	
Dibenz(a,h)anthracene (SIM)	50.3	5.0	µg/L	50.0		101	40-140	10.0	20	
Fluoranthene (SIM)	49.9	12	µg/L	50.0		99.8	40-140	9.11	20	
Fluorene (SIM)	48.9	25	µg/L	50.0		97.8	40-140	9.47	20	
Indeno(1,2,3-cd)pyrene (SIM)	51.4	5.0	µg/L	50.0		103	40-140	9.21	20	‡
2-Methylnaphthalene (SIM)	45.6	25	µg/L	50.0		91.3	40-140	9.28	20	
Naphthalene (SIM)	44.4	25	µg/L	50.0		88.8	40-140	9.93	20	
Phenanthrene (SIM)	50.4	1.2	µg/L	50.0		101	40-140	11.0	20	
Pyrene (SIM)	53.0	25	µg/L	50.0		106	40-140	12.2	20	
Surrogate: Nitrobenzene-d5	*98.4*		µg/L	100		98.4	30-130			
Surrogate: 2-Fluorobiphenyl	*99.8*		µg/L	100		99.8	30-130			
Surrogate: p-Terphenyl-d14	*86.0*		µg/L	100		86.0	30-130			

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QUALITY CONTROL

Polychlorinated Biphenyls By GC/ECD - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B185890 - SW-846 3510C										
Blank (B185890-BLK1)				Prepared: 09/11/17 Analyzed: 09/14/17						
Aroclor-1016	ND	0.20	µg/L							
Aroclor-1016 [2C]	ND	0.20	µg/L							
Aroclor-1221	ND	0.20	µg/L							
Aroclor-1221 [2C]	ND	0.20	µg/L							
Aroclor-1232	ND	0.20	µg/L							
Aroclor-1232 [2C]	ND	0.20	µg/L							
Aroclor-1242	ND	0.20	µg/L							
Aroclor-1242 [2C]	ND	0.20	µg/L							
Aroclor-1248	ND	0.20	µg/L							
Aroclor-1248 [2C]	ND	0.20	µg/L							
Aroclor-1254	ND	0.20	µg/L							
Aroclor-1254 [2C]	ND	0.20	µg/L							
Aroclor-1260	ND	0.20	µg/L							
Aroclor-1260 [2C]	ND	0.20	µg/L							
Aroclor-1262	ND	0.20	µg/L							
Aroclor-1262 [2C]	ND	0.20	µg/L							
Aroclor-1268	ND	0.20	µg/L							
Aroclor-1268 [2C]	ND	0.20	µg/L							
Surrogate: Decachlorobiphenyl	*1.96*		µg/L	2.00		98.2	30-150			
Surrogate: Decachlorobiphenyl [2C]	*1.76*		µg/L	2.00		88.2	30-150			
Surrogate: Tetrachloro-m-xylene	*2.18*		µg/L	2.00		109	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.68*		µg/L	2.00		83.9	30-150			
LCS (B185890-BS1)				Prepared: 09/11/17 Analyzed: 09/14/17						
Aroclor-1016	0.50	0.20	µg/L	0.500		99.5	40-140			
Aroclor-1016 [2C]	0.52	0.20	µg/L	0.500		103	40-140			
Aroclor-1260	0.47	0.20	µg/L	0.500		93.7	40-140			
Aroclor-1260 [2C]	0.51	0.20	µg/L	0.500		102	40-140			
Surrogate: Decachlorobiphenyl	*2.02*		µg/L	2.00		101	30-150			
Surrogate: Decachlorobiphenyl [2C]	*1.80*		µg/L	2.00		89.8	30-150			
Surrogate: Tetrachloro-m-xylene	*2.12*		µg/L	2.00		106	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.63*		µg/L	2.00		81.6	30-150			
LCS Dup (B185890-BSD1)				Prepared: 09/11/17 Analyzed: 09/14/17						
Aroclor-1016	0.50	0.20	µg/L	0.500		100	40-140	0.547	20	
Aroclor-1016 [2C]	0.51	0.20	µg/L	0.500		103	40-140	0.515	20	
Aroclor-1260	0.46	0.20	µg/L	0.500		91.9	40-140	1.95	20	
Aroclor-1260 [2C]	0.50	0.20	µg/L	0.500		100	40-140	2.01	20	
Surrogate: Decachlorobiphenyl	*1.85*		µg/L	2.00		92.4	30-150			
Surrogate: Decachlorobiphenyl [2C]	*1.67*		µg/L	2.00		83.6	30-150			
Surrogate: Tetrachloro-m-xylene	*2.13*		µg/L	2.00		107	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.65*		µg/L	2.00		82.3	30-150			

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QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B185830 - SW-846 3540C										
Blank (B185830-BLK1)				Prepared: 09/08/17 Analyzed: 09/10/17						
Aroclor-1016	ND	0.020	mg/Kg wet							
Aroclor-1016 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1221	ND	0.020	mg/Kg wet							
Aroclor-1221 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1232	ND	0.020	mg/Kg wet							
Aroclor-1232 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1242	ND	0.020	mg/Kg wet							
Aroclor-1242 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1248	ND	0.020	mg/Kg wet							
Aroclor-1248 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1254	ND	0.020	mg/Kg wet							
Aroclor-1254 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1260	ND	0.020	mg/Kg wet							
Aroclor-1260 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1262	ND	0.020	mg/Kg wet							
Aroclor-1262 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1268	ND	0.020	mg/Kg wet							
Aroclor-1268 [2C]	ND	0.020	mg/Kg wet							
Surrogate: Decachlorobiphenyl	*0.191*		mg/Kg wet	0.200		95.4	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.213*		mg/Kg wet	0.200		106	30-150			
Surrogate: Tetrachloro-m-xylene	*0.154*		mg/Kg wet	0.200		77.0	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.177*		mg/Kg wet	0.200		88.3	30-150			
LCS (B185830-BS1)				Prepared: 09/08/17 Analyzed: 09/10/17						
Aroclor-1016	0.17	0.020	mg/Kg wet	0.200		85.6	40-140			
Aroclor-1016 [2C]	0.19	0.020	mg/Kg wet	0.200		95.6	40-140			
Aroclor-1260	0.15	0.020	mg/Kg wet	0.200		74.9	40-140			
Aroclor-1260 [2C]	0.16	0.020	mg/Kg wet	0.200		80.8	40-140			
Surrogate: Decachlorobiphenyl	*0.177*		mg/Kg wet	0.200		88.5	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.197*		mg/Kg wet	0.200		98.5	30-150			
Surrogate: Tetrachloro-m-xylene	*0.142*		mg/Kg wet	0.200		71.2	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.164*		mg/Kg wet	0.200		81.8	30-150			
LCS Dup (B185830-BSD1)				Prepared: 09/08/17 Analyzed: 09/10/17						
Aroclor-1016	0.18	0.020	mg/Kg wet	0.200		90.5	40-140	5.57	30	
Aroclor-1016 [2C]	0.21	0.020	mg/Kg wet	0.200		103	40-140	7.04	30	
Aroclor-1260	0.15	0.020	mg/Kg wet	0.200		77.4	40-140	3.31	30	
Aroclor-1260 [2C]	0.17	0.020	mg/Kg wet	0.200		86.6	40-140	6.84	30	
Surrogate: Decachlorobiphenyl	*0.179*		mg/Kg wet	0.200		89.4	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.199*		mg/Kg wet	0.200		99.5	30-150			
Surrogate: Tetrachloro-m-xylene	*0.157*		mg/Kg wet	0.200		78.3	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.182*		mg/Kg wet	0.200		91.0	30-150			

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QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B185867 - SW-846 3540C										
Blank (B185867-BLK1)				Prepared: 09/10/17 Analyzed: 09/16/17						
Aroclor-1016	ND	0.020	mg/Kg wet							
Aroclor-1016 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1221	ND	0.020	mg/Kg wet							
Aroclor-1221 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1232	ND	0.020	mg/Kg wet							
Aroclor-1232 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1242	ND	0.020	mg/Kg wet							
Aroclor-1242 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1248	ND	0.020	mg/Kg wet							
Aroclor-1248 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1254	ND	0.020	mg/Kg wet							
Aroclor-1254 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1260	ND	0.020	mg/Kg wet							
Aroclor-1260 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1262	ND	0.020	mg/Kg wet							
Aroclor-1262 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1268	ND	0.020	mg/Kg wet							
Aroclor-1268 [2C]	ND	0.020	mg/Kg wet							
Surrogate: Decachlorobiphenyl	*0.203*		mg/Kg wet	0.200		101	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.182*		mg/Kg wet	0.200		90.9	30-150			
Surrogate: Tetrachloro-m-xylene	*0.208*		mg/Kg wet	0.200		104	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.155*		mg/Kg wet	0.200		77.3	30-150			
LCS (B185867-BS1)				Prepared: 09/10/17 Analyzed: 09/16/17						
Aroclor-1016	0.18	0.020	mg/Kg wet	0.200		87.8	40-140			
Aroclor-1016 [2C]	0.16	0.020	mg/Kg wet	0.200		80.3	40-140			
Aroclor-1260	0.16	0.020	mg/Kg wet	0.200		78.3	40-140			
Aroclor-1260 [2C]	0.16	0.020	mg/Kg wet	0.200		78.6	40-140			
Surrogate: Decachlorobiphenyl	*0.200*		mg/Kg wet	0.200		99.9	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.178*		mg/Kg wet	0.200		89.0	30-150			
Surrogate: Tetrachloro-m-xylene	*0.203*		mg/Kg wet	0.200		102	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.148*		mg/Kg wet	0.200		74.0	30-150			
LCS Dup (B185867-BSD1)				Prepared: 09/10/17 Analyzed: 09/16/17						
Aroclor-1016	0.16	0.020	mg/Kg wet	0.200		81.8	40-140	7.09	30	
Aroclor-1016 [2C]	0.15	0.020	mg/Kg wet	0.200		76.3	40-140	5.16	30	
Aroclor-1260	0.15	0.020	mg/Kg wet	0.200		76.6	40-140	2.21	30	
Aroclor-1260 [2C]	0.15	0.020	mg/Kg wet	0.200		77.3	40-140	1.68	30	
Surrogate: Decachlorobiphenyl	*0.195*		mg/Kg wet	0.200		97.4	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.176*		mg/Kg wet	0.200		88.0	30-150			
Surrogate: Tetrachloro-m-xylene	*0.203*		mg/Kg wet	0.200		101	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.151*		mg/Kg wet	0.200		75.4	30-150			

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QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B185867 - SW-846 3540C										
Matrix Spike (B185867-MS1)		**Source: 17I0112-05**		Prepared: 09/10/17 Analyzed: 09/16/17						
Aroclor-1016	0.19	0.090	mg/Kg dry	0.225	ND	84.1	40-140			
Aroclor-1016 [2C]	0.18	0.090	mg/Kg dry	0.225	ND	81.5	40-140			
Aroclor-1260	0.14	0.090	mg/Kg dry	0.225	ND	62.6	40-140			
Aroclor-1260 [2C]	0.15	0.090	mg/Kg dry	0.225	ND	65.7	40-140			
Surrogate: Decachlorobiphenyl	*0.158*		mg/Kg dry	0.225		70.1	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.172*		mg/Kg dry	0.225		76.2	30-150			
Surrogate: Tetrachloro-m-xylene	*0.196*		mg/Kg dry	0.225		86.9	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.203*		mg/Kg dry	0.225		90.2	30-150			
Matrix Spike Dup (B185867-MSD1)		**Source: 17I0112-05**		Prepared: 09/10/17 Analyzed: 09/16/17						
Aroclor-1016	0.24	0.091	mg/Kg dry	0.228	ND	106	40-140	23.7	50	
Aroclor-1016 [2C]	0.22	0.091	mg/Kg dry	0.228	ND	96.4	40-140	17.7	50	
Aroclor-1260	0.17	0.091	mg/Kg dry	0.228	ND	76.4	40-140	20.8	50	
Aroclor-1260 [2C]	0.18	0.091	mg/Kg dry	0.228	ND	80.3	40-140	21.0	50	
Surrogate: Decachlorobiphenyl	*0.193*		mg/Kg dry	0.228		84.7	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.209*		mg/Kg dry	0.228		91.9	30-150			
Surrogate: Tetrachloro-m-xylene	*0.224*		mg/Kg dry	0.228		98.6	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.239*		mg/Kg dry	0.228		105	30-150			

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QUALITY CONTROL

Petroleum Hydrocarbons Analyses - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes
Batch B185892 - SW-846 3510C											
Blank (B185892-BLK1)				Prepared: 09/11/17 Analyzed: 09/12/17							
CT ETPH	ND	0.075	mg/L								
Surrogate: o-Terphenyl	*0.0784*		mg/L	0.100		78.4		50-150			
LCS (B185892-BS1)				Prepared: 09/11/17 Analyzed: 09/12/17							
CT ETPH	0.633	0.075	mg/L	1.00		63.3		60-120			
Surrogate: o-Terphenyl	*0.0709*		mg/L	0.100		70.9		50-150			
LCS Dup (B185892-BSD1)				Prepared: 09/11/17 Analyzed: 09/12/17							
CT ETPH	0.663	0.075	mg/L	1.00		66.3		60-120	4.71	30	
Surrogate: o-Terphenyl	*0.0745*		mg/L	0.100		74.5		50-150			
Batch B185921 - SW-846 3546											
Blank (B185921-BLK1)				Prepared: 09/11/17 Analyzed: 09/12/17							
CT ETPH	ND	10	mg/Kg wet								
Surrogate: o-Terphenyl	*2.52*		mg/Kg wet	3.33		75.6		50-150			
LCS (B185921-BS1)				Prepared: 09/11/17 Analyzed: 09/12/17							
CT ETPH	20.3	10	mg/Kg wet	33.3		61.0		60-120			
Surrogate: o-Terphenyl	*2.40*		mg/Kg wet	3.33		72.0		50-150			
LCS Dup (B185921-BSD1)				Prepared: 09/11/17 Analyzed: 09/12/17							
CT ETPH	21.6	10	mg/Kg wet	33.3		64.8		60-120	6.10	30	
Surrogate: o-Terphenyl	*2.51*		mg/Kg wet	3.33		75.4		50-150			
Matrix Spike (B185921-MS1)	**Source: 17I0112-03**			Prepared: 09/11/17 Analyzed: 09/12/17							
CT ETPH	242	56	mg/Kg dry	37.3	261	**-50.1**	*	50-150			MS-07A
Surrogate: o-Terphenyl	*2.44*		mg/Kg dry	3.73		65.3		50-150			
Matrix Spike Dup (B185921-MSD1)	**Source: 17I0112-03**			Prepared: 09/11/17 Analyzed: 09/12/17							
CT ETPH	259	56	mg/Kg dry	37.3	261	**-5.38**	*	50-150	6.66	30	MS-07A
Surrogate: o-Terphenyl	*2.47*		mg/Kg dry	3.73		66.2		50-150			

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QUALITY CONTROL

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B185594 - % Solids										
Duplicate (B185594-DUP5)		**Source: 17I0112-01**		Prepared: 09/06/17 Analyzed: 09/07/17						
% Solids	78.8		% Wt		81.9			3.86	20	
Duplicate (B185594-DUP6)		**Source: 17I0112-02**		Prepared: 09/06/17 Analyzed: 09/07/17						
% Solids	81.2		% Wt		83.0			2.19	20	

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit
DL	Method Detection Limit
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
MS-07A	Matrix spike and spike duplicate recovery is outside of control limits. Analysis is in control based on laboratory fortified blank recovery. Possiblity of matrix effects that lead to low bias or non-homogeneous sample aliquot cannot be eliminated.
RL-12	Elevated reporting limit due to matrix interference.

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
CTDEP ETPH in Soil	
CT ETPH	CT
CTDEP ETPH in Water	
CT ETPH	CT
SW-846 8082A in Soil	
Aroclor-1016	CT,NH,NY,ME,NC,VA
Aroclor-1016 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1221	CT,NH,NY,ME,NC,VA
Aroclor-1221 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1232	CT,NH,NY,ME,NC,VA
Aroclor-1232 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1242	CT,NH,NY,ME,NC,VA
Aroclor-1242 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1248	CT,NH,NY,ME,NC,VA
Aroclor-1248 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1254	CT,NH,NY,ME,NC,VA
Aroclor-1254 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1260	CT,NH,NY,ME,NC,VA
Aroclor-1260 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1262	NY,NC,VA
Aroclor-1262 [2C]	NY,NC,VA
Aroclor-1268	NY,NC,VA
Aroclor-1268 [2C]	NY,NC,VA
SW-846 8082A in Water	
Aroclor-1016	CT,NH,NY,NC,ME,VA
Aroclor-1016 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1221	CT,NH,NY,NC,ME,VA
Aroclor-1221 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1232	CT,NH,NY,NC,ME,VA
Aroclor-1232 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1242	CT,NH,NY,NC,ME,VA
Aroclor-1242 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1248	CT,NH,NY,NC,ME,VA
Aroclor-1248 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1254	CT,NH,NY,NC,ME,VA
Aroclor-1254 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1260	CT,NH,NY,NC,ME,VA
Aroclor-1260 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1262	NH,NY,NC,ME,VA
Aroclor-1262 [2C]	NH,NY,NC,ME,VA
Aroclor-1268	NH,NY,NC,ME,VA
Aroclor-1268 [2C]	NH,NY,NC,ME,VA
SW-846 8270D in Soil	
Acenaphthene	CT,NY,NH,ME,NC,VA
Acenaphthylene	CT,NY,NH,ME,NC,VA
Anthracene	CT,NY,NH,ME,NC,VA

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8270D in Soil	
Benzo(a)anthracene	CT,NY,NH,ME,NC,VA
Benzo(a)pyrene	CT,NY,NH,ME,NC,VA
Benzo(b)fluoranthene	CT,NY,NH,ME,NC,VA
Benzo(g,h,i)perylene	CT,NY,NH,ME,NC,VA
Benzo(k)fluoranthene	CT,NY,NH,ME,NC,VA
Chrysene	CT,NY,NH,ME,NC,VA
Dibenz(a,h)anthracene	CT,NY,NH,ME,NC,VA
Fluoranthene	CT,NY,NH,ME,NC,VA
Fluorene	CT,NY,NH,ME,NC,VA
Indeno(1,2,3-cd)pyrene	CT,NY,NH,ME,NC,VA
2-Methylnaphthalene	CT,NY,NH,ME,NC,VA
Naphthalene	CT,NY,NH,ME,NC,VA
Phenanthrene	CT,NY,NH,ME,NC,VA
Pyrene	CT,NY,NH,ME,NC,VA

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2005	100033	02/1/2018
MA	Massachusetts DEP	M-MA100	06/30/2018
CT	Connecticut Department of Publilc Health	PH-0567	09/30/2017
NY	New York State Department of Health	10899 NELAP	04/1/2018
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2018
RI	Rhode Island Department of Health	LAO00112	12/30/2017
NC	North Carolina Div. of Water Quality	652	12/31/2017
NJ	New Jersey DEP	MA007 NELAP	06/30/2018
FL	Florida Department of Health	E871027 NELAP	06/30/2018
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2018
ME	State of Maine	2011028	06/9/2019
VA	Commonwealth of Virginia	460217	12/14/2017
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2017
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2018
NC-DW	North Carolina Department of Health	25703	07/31/2018

17I0112

con-test ANALYTICAL LABORATORY

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Email: info@contestlabs.com

http://www.contestlabs.com

Doc # 381 Rev 0 5 8 2015

CHAIN OF CUSTODY RECORD

39 Spruce Street
East Longmeadow, MA 01028

Company Name:	Weston & Sampson Engineers
Address:	273 Dividend Rd Rcoky Hill, CT
Phone:	860 513-1473
Project Name:	English Station
Project Location:	510 Grand Ave, New Haven, CT
Project Number:	2170495
Project Manager:	Malcolm Beeler
Con-Test Bid:	
Invoice Recipient:	Malcolm Beeler (Weston & Sampson)
Sampled By:	Chris Berthiaume/Will Sirotnak

Requested Turnaround Time
7-Day ☑ 10-Day ☐
Other: 5-day ☐

Rush-Approval Required
1-Day ☐ 3-Day ☐
2-Day ☐ 4-Day ☐

Data Delivery
Format: PDF ☑ EXCEL ☑
Other:
Enhanced Data Package Required: ☐
Email To: beelerm@wseinc.com
Fax To #:

ANALYSIS REQUESTED

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	[1]Matrix Code	Conc Code	PCBs (Soxhlet)	ETPH	PAHs
1	WS-AOC12E-SO-5-1	9/5/17	1330		X	S	U	X	X	
2	WS-AOC12E-SO-5-2		1331					X		
3	WS-AOC12E-SO-17-1		1340					X	X	
4	WS-AOC12E-SO-17-2		1341					X		
5	WS-AOC12E-SO-17-3		1342					X		
6	WS-AOC12E-SO-35-1		1403					X	X	
7	WS-AOC12E-SO-35-2		1404					X		X
8	WS-AOC12E-SO-35-3		1405					X		
9	WS-AOC12E-SO-21-1		1400					X		X
10	WS-AOC12E-SO-21-2		1401					X	X	

# of Containers	
[2] Preservation Code	
[3] Container Code	

Dissolved Metals Samples
○ Field Filtered
○ Lab to Filter

Orthophosphate Samples
○ Field Filtered
○ Lab to Filter

[1] **Matrix Codes:**
GW = Ground Water
WW = Waste Water
DW = Drinking Water
A = Air
S = Soil/Solid
SL = Sludge
O = Other (please define) _____

[2] **Preservation Codes:**
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium Bisulfate
X = Sodium Hydroxide
T = Sodium Thiosulfate
O = Other (please define) _____

[3] **Container Codes:**
A = Amber Glass
G = Glass
P = Plastic
ST = Sterile
V = Vial
S = Summa Canister
T = Tedlar Bag
O = Other (please define) _____

Comments:

Please hold excess volumes for possible SPLP analyses.

Please use the following codes to indicate possible sample concentration within the **Conc Code** column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Relinquished by: (signature) 9/5/17	Date/Time:
Received by: (signature) 9/5/17	Date/Time: 1515
Relinquished by: (signature) 9/5/17	Date/Time: 1640
Received by: (signature) 9/5/17	Date/Time: 1640
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:

Detection Limit Requirements
MA
CT RES DEC
Other:

Program Information

○ MCP Analytical Certification Form Required
● RCP Analysis Certification Form Required
○ MA State DW Form Required
PWSID # _____

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TURNAROUND TIME (BUSINESS DAYS) STARTS AT 9:00 AM THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON THIS CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR IS INCORRECT, TURNAROUND TIME CANNOT START UNTIL ALL QUESTIONS HAVE BEEN ANSWERED.

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Doc # 381 Rev 0 5 8 2015

CHAIN OF CUSTODY RECORD

39 Spruce Street
East Longmeadow, MA 01028

Company Name:	Weston & Sampson Engineers
Address:	273 Dividend Rd Rcoky Hill, CT
Phone:	860 513-1473
Project Name:	English Station
Project Location:	510 Grand Ave, New Haven, CT
Project Number:	2170495
Project Manager:	Malcolm Beeler
Con-Test Bid:	
Invoice Recipient:	Malcolm Beeler (Weston & Sampson)
Sampled By:	Chris Berthiaume/Will Sirotnak

Requested Turnaround Time
7-Day ☑ 10-Day ☐
Other: 5-day ☐

Rush-Approval Required
1-Day ☐ 3-Day ☐
2-Day ☐ 4-Day ☐

Data Delivery
Format: PDF ☑ EXCEL ☑
Other:
Enhanced Data Package Required: ☐
Email To: beelerm@wseinc.com
Fax To #:

ANALYSIS REQUESTED

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	[1]Matrix Code	Conc Code	PCBs (Soxhlet)	Kepone	PAH	# of Containers	[2] Preservation Code	[3] Container Code
11	WS-AOC12E-SO-21-3	9/5/17	1402		X	S	U	X					
12	WS-AOC12E-SO-25-1		1414					X					
13	WS-AOC12E-SO-25-2		1415					X	X				
14	WS-AOC12E-SO-25-3		1416					X					
15	WS-AOC15-SO-1-1		1427					X	X				
16	WS-AOC15-SO-1-2		1428					X					
17	WS-AOC15-SO-1-3		1429					X					
18	WS-AOC12E-SO-42-1		1459					X					
19	WS-AOC12E-SO-42-2		1500					X	X				
20	WS-AOC12E-SO-42-3		1501		↓	↓	↓	X					

Dissolved Metals Samples
○ Field Filtered
○ Lab to Filter

Orthophosphate Samples
○ Field Filtered
○ Lab to Filter

[1] **Matrix Codes:**
GW = Ground Water
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DW = Drinking Water
A = Air
S = Soil/Solid
SL = Sludge
O = Other (please define) _____

[2] **Preservation Codes:**
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium Bisulfate
X = Sodium Hydroxide
T = Sodium Thiosulfate
O = Other (please define) _____

[3] **Container Codes:**
A = Amber Glass
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T = Tedlar Bag
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Comments:

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Relinquished by: (signature) 9/5/17	Date/Time:
Received by: (signature) 9/5/17	Date/Time: 1515
Relinquished by: (signature)	Date/Time: 9/5/17 1640
Received by: (signature) 3-3	Date/Time: 9/5/17 1690
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:

Detection Limit Requirements
MA
CT RES DEC
Other:

Program Information

○ MCP Analytical Certification Form Required
● RCP Analysis Certification Form Required
○ MA State DW Form Required
PWSID # _____

NELAC and AIHA-LAP, LLC Accredited

TURNAROUND TIME (BUSINESS DAYS) STARTS AT 9:00 AM THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON THIS CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR IS INCORRECT, TURNAROUND TIME CANNOT START UNTIL ALL QUESTIONS HAVE BEEN ANSWERED.

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East Longmeadow, MA 01028

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Project Location:	510 Grand Ave, New Haven, CT
Project Number:	2170495
Project Manager:	Malcolm Beeler
Con-Test Bid:	
Invoice Recipient:	Malcolm Beeler (Weston & Sampson)
Sampled By:	Chris Berthiaume/Will Sirotnak

Requested Turnaround Time
7-Day ☑ 10-Day ☐
Other: 5-day ☐

Rush-Approval Required
1-Day ☐ 3-Day ☐
2-Day ☐ 4-Day ☐

Data Delivery
Format: PDF ☑ EXCEL ☑
Other:
Enhanced Data Package Required: ☐
Email To: beelerm@wseinc.com
Fax To #:

ANALYSIS REQUESTED

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	[1]Matrix Code	Conc Code	PCBs (Soxhlet)	ETPH	PAH	# of Containers	[2] Preservation Code	[3] Container Code
21	WS-AOCIZE-SO-Dup47	9/5/17	—		X	S	U	X					
22	Equipment Blank-61	↓	1200		X	W	U	X	X	X			
23	Equipment Blank-62	↓	1220		X	W	U	X	X	X			

Dissolved Metals Samples
○ Field Filtered
○ Lab to Filter

Orthophosphate Samples
○ Field Filtered
○ Lab to Filter

[1] **Matrix Codes:**
GW = Ground Water
WW = Waste Water
DW = Drinking Water
A = Air
S = Soil/Solid
SL = Sludge
O = Other (please define) _____

[2] **Preservation Codes:**
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium Bisulfate
X = Sodium Hydroxide
T = Sodium Thiosulfate
O = Other (please define) _____

[3] **Container Codes:**
A = Amber Glass
G = Glass
P = Plastic
ST = Sterile
V = Vial
S = Summa Canister
T = Tedlar Bag
O = Other (please define) _____

Comments:

Please hold excess volumes for possible SPLP analyses.

Please use the following codes to indicate possible sample concentration within the **Conc Code** column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Relinquished by: (signature) 9/5/17	Date/Time:
Received by: (signature) 9/5/17	Date/Time: 1515
Relinquished by: (signature)	Date/Time: 9/5/17 1440
Received by: (signature) 9/5/17	Date/Time: 1640
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:

Detection Limit Requirements
MA
CT RES DEC
Other:

Program Information

○ MCP Analytical Certification Form Required
● RCP Analysis Certification Form Required
○ MA State DW Form Required
PWSID # _____

NELAC and AIHA-LAP, LLC Accredited

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East Longmeadow, MA. 01028
P: 413-525-2332
F: 413-525-6405
www.contestlabs.com

con-test® ANALYTICAL LABORATORY

Doc# 277 Rev 5 2017

Login Sample Receipt Checklist - (Rejection Criteria Listing - Using Acceptance Policy) Any False Statement will be brought to the attention of the Client - State True or False

Client Weston & Sampson

Received By JM Date 9/5/17 Time 1640

How were the samples received? In Cooler T No Cooler ____ On Ice T No Ice ____
Direct from Sampling ____ Ambient ____ Melted Ice ____

Were samples within Temperature? 2-6°C T By Gun # 1 Actual Temp - 3.3, 3.7
By Blank # ____ Actual Temp - ____

Was Custody Seal Intact? N/A Were Samples Tampered with? N/A
Was COC Relinquished ? T Does Chain Agree With Samples? T
Are there broken/leaking/loose caps on any samples? F
Is COC in ink/ Legible? T Were samples received within holding time? T
Did COC include all pertinent Information? Client T Analysis T Sampler Name T
Project T ID's T Collection Dates/Times T
Are Sample labels filled out and legible? T
Are there Lab to Filters? N/A Who was notified? ____
Are there Rushes? N/A Who was notified? ____
Are there Short Holds? N/A Who was notified? ____
Is there enough Volume? T
Is there Headspace where applicable? N/A MS/MSD? N/A
Proper Media/Containers Used? T Is splitting samples required? N/A
Were trip blanks received? N/A On COC? N/A
Do all samples have the proper pH? N/A Acid ____ Base ____

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.	6	1 Liter Plastic		16 oz Amb.	
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear	21
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear	
Bisulfate-		Col./Bacteria		Flashpoint		2oz Amb/Clear	
DI-		Other Plastic		Other Glass		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Unused Media

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.	
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear	
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear	
Bisulfate-		Col./Bacteria		Flashpoint		2oz Amb/Clear	
DI-		Other Plastic		Other Glass		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Comments:

D:\HPCHEM\1\DATA\A091217.SEC\A0912007.D

CT ETPH DISCRIMINATION CHECK

Date Acquired	9/12/17
Data File Name	A0912007.D
Sample Name	ETPH 1500
Instrument Name	5890DFID

Compound	Ret Time	Target Response	Average Response	*%D +/- 20
c - 9	1.28	579219	601921	-4
c - 10	1.62	584624	601921	-3
c - 12	2.35	601930	601921	0
c - 14	3.01	613611	601921	2
c - 16	3.61	626238	601921	4
c - 18	4.23	617049	601921	3
o-Terphenyl	4.51	684250	601921	
c - 20	4.83	622766	601921	3
c - 22	5.34	629203	601921	5
c - 24	5.77	583868	601921	-3
c - 26	6.16	611957	601921	2
c - 28	6.52	601941	601921	0
c - 30	6.85	596395	601921	-1
c - 32	7.16	582912	601921	-3
c - 34	7.46	587710	601921	-2
c - 36	7.77	589388	601921	-2

* One compound allowed %D <= 50%

Samples
17H1675-17

D:\HPCHEM\1\DATA\A091217.SEC\A0912039.D

CT ETPH DISCRIMINATION CHECK

Date Acquired	9/12/17
Data File Name	A0912039.D
Sample Name	ETPH 1500
Instrument Name	5890DFID

Compound	Ret Time	Target Response	Average Response	*%D +/- 20
c - 9	1.28	603049	629027	-4
c - 10	1.62	609325	629027	-3
c - 12	2.35	625871	629027	-1
c - 14	3.01	638455	629027	1
c - 16	3.61	652226	629027	4
c - 18	4.23	642382	629027	2
o-Terphenyl	4.51	713285	629027	
c - 20	4.83	648093	629027	3
c - 22	5.34	655317	629027	4
c - 24	5.77	608772	629027	-3
c - 26	6.16	639161	629027	2
c - 28	6.52	629708	629027	0
c - 30	6.85	627878	629027	0
c - 32	7.16	615300	629027	-2
c - 34	7.45	619133	629027	-2
c - 36	7.77	620740	629027	-1

* One compound allowed %D <= 50%

Samples
17I0112-22
17I0112-23
17I0137-01
17H1672-11

D:\HPCHEM\1\DATA\A091217\A0912006.D

CT ETPH DISCRIMINATION CHECK

Date Acquired	9/12/17
Data File Name	A0912006.D
Sample Name	ETPH 1500
Instrument Name	5890DFID

Compound	Ret Time	Target Response	Average Response	*%D +/- 20
c - 9	1.29	501479	538055	-7
c - 10	1.64	508127	538055	-6
c - 12	2.37	526410	538055	-2
c - 14	3.05	540261	538055	0
c - 16	3.65	553396	538055	3
c - 18	4.29	547821	538055	2
o-Terphenyl	4.57	606869	538055	
c - 20	4.89	555426	538055	3
c - 22	5.39	565503	538055	5
c - 24	5.83	528778	538055	-2
c - 26	6.23	558205	538055	4
c - 28	6.59	551574	538055	3
c - 30	6.92	544804	538055	1
c - 32	7.24	528926	538055	-2
c - 34	7.53	529626	538055	-2
c - 36	7.88	530490	538055	-1

* One compound allowed %D <= 50%

Samples
17H1672-02
17H1672-03
17H1672-04
17H1672-08
17H1672-12
17H1672-14
17H1672-16
17I0112-13
17H1672-05

D:\HPCHEM\1\DATA\A091217\A0912038.D

CT ETPH DISCRIMINATION CHECK

Date Acquired	9/12/17
Data File Name	A0912038.D
Sample Name	ETPH 1500
Instrument Name	5890DFID

Compound	Ret Time	Target Response	Average Response	*%D +/- 20
c - 9	1.29	500546	539610	-7
c - 10	1.64	508067	539610	-6
c - 12	2.37	526540	539610	-2
c - 14	3.04	540306	539610	0
c - 16	3.65	554002	539610	3
c - 18	4.29	549170	539610	2
o-Terphenyl	4.57	609352	539610	
c - 20	4.89	557450	539610	3
c - 22	5.39	567557	539610	5
c - 24	5.83	530516	539610	-2
c - 26	6.23	560292	539610	4
c - 28	6.59	553131	539610	3
c - 30	6.92	548526	539610	2
c - 32	7.23	532844	539610	-1
c - 34	7.53	532454	539610	-1
c - 36	7.87	532753	539610	-1

* One compound allowed %D <= 50%

Samples
17I0112-06
17I0112-03
17I0112-10
17I0112-15
17I0112-19
17I0297-01
17H1672-01
17H1672-09
17I0112-01

REASONABLE CONFIDENCE PROTOCOL
LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name: Con-Test Analytical Laboratory

Client: Weston & Sampson

Project Location: 510 Grand Ave., New Haven, CT

Project Number: 17I0112

Laboratory Sample ID(s):

17I0112-01 thru 17I0112-23

Sample Date(s):

09/05/2017

List RCP Methods Used:

CTDEP ETPH, SW-846 8082A, SW-846 8270D

1	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CTDEP method-specific Reasonable Confidence Protocol documents?	☑ Yes ☐ No
1A	Were the method specified preservation and holding time requirements met?	☑ Yes ☐ No
1B	VPH and EPH Methods only: Was the VPH and EPH method conducted without significant modifications (see Section 11.3 of respective RCP methods)?	☐ Yes ☐ No ☑ N/A
2	Were all samples received by the laboratory in a condition consistent with that described on the associated chain-of-custody document(s)?	☑ Yes ☐ No
3	Were samples received at an appropriate temperature (< 6 degrees C.)?	☑ Yes ☐ No ☐ N/A
4	Were all QA/QC performance criteria specified in the CTDEP Reasonable Confidence Protocol documents achieved?	☐ Yes ☑ No
5A	Were reporting limits specified or referenced on the chain-of-custody?	☑ Yes ☐ No
5B	Were these reporting limits met?	☑ Yes ☐ No
6	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	☐ Yes ☑ No
7	Are project-specific matrix spikes and laboratory duplicates included in this data set?	☑ Yes ☐ No

Notes: For all questions to which the response was "No" (with the exception of question #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A, or #1B is "No", the data package does not meet the requirements for "Reasonable Confidence."
This form may not be altered and all questions must be answered.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete.

Authorized Signature: Lisa Worthington **Position:** **Project Manager**

Printed Name: **Lisa A. Worthington** **Date:** **09/18/17**

Name of Laboratory: **Con-Test Analytical Laboratory**

This certification form is to be used for RCP methods only.

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

September 19, 2017

Malcolm Beeler
Weston & Sampson
273 Dividend Road
Rocky Hill, CT 06067

Project Location: 510 Grand Ave., New Haven, CT
Client Job Number:
Project Number: 2170495
Laboratory Work Order Number: 17I0172

Enclosed are results of analyses for samples received by the laboratory on September 6, 2017. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

James M. Georgantas
Project Manager

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Chain of Custody/Sample Receipt 46

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Weston & Sampson
273 Dividend Road
Rocky Hill, CT 06067
ATTN: Malcolm Beeler

REPORT DATE: 9/19/2017

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 2170495

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 17I0172

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: 510 Grand Ave., New Haven, CT

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
WS-AOC14-SE-64	17I0172-01	Soil		SM 2540G	
				SW-846 8082A	
WS-AOC14-SE-65	17I0172-02	Soil		SM 2540G	
				SW-846 8082A	
WS-AOC14-SE-66	17I0172-03	Soil		SM 2540G	
				SW-846 8082A	
WS-AOC14-SE-67	17I0172-04	Soil		SM 2540G	
				SW-846 8082A	
WS-AOC14-SE-68	17I0172-05	Soil		SM 2540G	
				SW-846 8082A	
WS-AOC14-SE-69	17I0172-06	Soil		SM 2540G	
				SW-846 8082A	
WS-AOC14-SE-70	17I0172-07	Soil		SM 2540G	
				SW-846 8082A	
WS-AOC14-SE-71	17I0172-08	Soil		SM 2540G	
				SW-846 8082A	
WS-AOC14-CO-1	17I0172-09	Product/Solid		SW-846 8082A	
WS-AOC14-CO-64	17I0172-10	Product/Solid		SW-846 8082A	
WS-AOC14-CO-65	17I0172-11	Product/Solid		SW-846 8082A	
WS-AOC14-CO-66	17I0172-12	Product/Solid		SW-846 8082A	
WS-AOC14-CO-67	17I0172-13	Product/Solid		SW-846 8082A	
WS-AOC14-CO-68	17I0172-14	Product/Solid		SW-846 8082A	
WS-AOC14-CO-69	17I0172-15	Product/Solid		SW-846 8082A	
WS-AOC14-CO-70	17I0172-16	Product/Solid		SW-846 8082A	
WS-AOC14-CO-71	17I0172-17	Product/Solid		SW-846 8082A	

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CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

SW-846 8082A

Qualifications:

DL-03

Elevated reporting limit due to matrix.

Analyte & Samples(s) Qualified:

17I0172-15[WS-AOC14-CO-69], 17I0172-17[WS-AOC14-CO-71]

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

Lisa A. Worthington
Project Manager

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0172

Date Received: 9/6/2017

Field Sample #: WS-AOC14-SE-64 Sampled: 9/6/2017 08:30

Sample ID: 17I0172-01

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 14:36	KAL
Aroclor-1221 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 14:36	KAL
Aroclor-1232 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 14:36	KAL
Aroclor-1242 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 14:36	KAL
Aroclor-1248 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 14:36	KAL
Aroclor-1254 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 14:36	KAL
Aroclor-1260 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 14:36	KAL
Aroclor-1262 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 14:36	KAL
Aroclor-1268 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 14:36	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	75.6	30-150		9/18/17 14:36
Decachlorobiphenyl [2]	99.7	30-150		9/18/17 14:36
Tetrachloro-m-xylene [1]	75.9	30-150		9/18/17 14:36
Tetrachloro-m-xylene [2]	71.2	30-150		9/18/17 14:36

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0172

Date Received: 9/6/2017

Field Sample #: WS-AOC14-SE-64 Sampled: 9/6/2017 08:30

Sample ID: 17I0172-01

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	86.9		% Wt	1		SM 2540G	9/12/17	9/13/17 8:38	MRL

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0172

Date Received: 9/6/2017

Field Sample #: WS-AOC14-SE-65 Sampled: 9/6/2017 08:40

Sample ID: 17I0172-02

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 14:49	KAL
Aroclor-1221 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 14:49	KAL
Aroclor-1232 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 14:49	KAL
Aroclor-1242 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 14:49	KAL
Aroclor-1248 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 14:49	KAL
Aroclor-1254 [2]	0.13	0.093	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 14:49	KAL
Aroclor-1260 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 14:49	KAL
Aroclor-1262 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 14:49	KAL
Aroclor-1268 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 14:49	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	75.1	30-150		9/18/17 14:49
Decachlorobiphenyl [2]	80.3	30-150		9/18/17 14:49
Tetrachloro-m-xylene [1]	77.5	30-150		9/18/17 14:49
Tetrachloro-m-xylene [2]	80.8	30-150		9/18/17 14:49

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0172

Date Received: 9/6/2017

Field Sample #: WS-AOC14-SE-65 Sampled: 9/6/2017 08:40

Sample ID: 17I0172-02

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	85.6		% Wt	1		SM 2540G	9/12/17	9/13/17 8:38	MRL

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0172

Date Received: 9/6/2017

Field Sample #: WS-AOC14-SE-66 Sampled: 9/6/2017 08:50

Sample ID: 17I0172-03

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.15	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 15:01	KAL
Aroclor-1221 [1]	ND	0.15	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 15:01	KAL
Aroclor-1232 [1]	ND	0.15	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 15:01	KAL
Aroclor-1242 [1]	ND	0.15	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 15:01	KAL
Aroclor-1248 [1]	0.44	0.15	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 15:01	KAL
Aroclor-1254 [2]	0.51	0.15	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 15:01	KAL
Aroclor-1260 [2]	0.25	0.15	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 15:01	KAL
Aroclor-1262 [1]	ND	0.15	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 15:01	KAL
Aroclor-1268 [1]	ND	0.15	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 15:01	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	55.1	30-150		9/18/17 15:01
Decachlorobiphenyl [2]	59.2	30-150		9/18/17 15:01
Tetrachloro-m-xylene [1]	59.5	30-150		9/18/17 15:01
Tetrachloro-m-xylene [2]	64.8	30-150		9/18/17 15:01

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0172

Date Received: 9/6/2017

Field Sample #: WS-AOC14-SE-66 Sampled: 9/6/2017 08:50

Sample ID: 17I0172-03

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	55.0		% Wt	1		SM 2540G	9/12/17	9/13/17 8:38	MRL

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0172

Date Received: 9/6/2017

Field Sample #: WS-AOC14-SE-67 Sampled: 9/6/2017 09:00

Sample ID: 17I0172-04

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.13	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 15:14	KAL
Aroclor-1221 [1]	ND	0.13	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 15:14	KAL
Aroclor-1232 [1]	ND	0.13	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 15:14	KAL
Aroclor-1242 [1]	ND	0.13	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 15:14	KAL
Aroclor-1248 [1]	0.32	0.13	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 15:14	KAL
Aroclor-1254 [2]	0.39	0.13	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 15:14	KAL
Aroclor-1260 [1]	0.24	0.13	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 15:14	KAL
Aroclor-1262 [1]	ND	0.13	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 15:14	KAL
Aroclor-1268 [1]	ND	0.13	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 15:14	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	70.7	30-150		9/18/17 15:14
Decachlorobiphenyl [2]	80.2	30-150		9/18/17 15:14
Tetrachloro-m-xylene [1]	71.8	30-150		9/18/17 15:14
Tetrachloro-m-xylene [2]	73.7	30-150		9/18/17 15:14

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0172

Date Received: 9/6/2017

Field Sample #: WS-AOC14-SE-67 Sampled: 9/6/2017 09:00

Sample ID: 17I0172-04

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	62.6		% Wt	1		SM 2540G	9/12/17	9/13/17 8:38	MRL

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0172

Date Received: 9/6/2017

Field Sample #: WS-AOC14-SE-68 Sampled: 9/6/2017 09:10

Sample ID: 17I0172-05

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 15:26	KAL
Aroclor-1221 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 15:26	KAL
Aroclor-1232 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 15:26	KAL
Aroclor-1242 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 15:26	KAL
Aroclor-1248 [1]	0.19	0.096	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 15:26	KAL
Aroclor-1254 [2]	0.35	0.096	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 15:26	KAL
Aroclor-1260 [1]	0.26	0.096	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 15:26	KAL
Aroclor-1262 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 15:26	KAL
Aroclor-1268 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 15:26	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	79.3	30-150		9/18/17 15:26
Decachlorobiphenyl [2]	86.7	30-150		9/18/17 15:26
Tetrachloro-m-xylene [1]	79.1	30-150		9/18/17 15:26
Tetrachloro-m-xylene [2]	82.6	30-150		9/18/17 15:26

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0172

Date Received: 9/6/2017

Field Sample #: WS-AOC14-SE-68 Sampled: 9/6/2017 09:10

Sample ID: 17I0172-05

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	83.5		% Wt	1		SM 2540G	9/12/17	9/13/17 8:38	MRL

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0172

Date Received: 9/6/2017

Field Sample #: WS-AOC14-SE-69 Sampled: 9/6/2017 09:20

Sample ID: 17I0172-06

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 15:39	KAL
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 15:39	KAL
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 15:39	KAL
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 15:39	KAL
Aroclor-1248 [1]	0.56	0.11	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 15:39	KAL
Aroclor-1254 [2]	0.69	0.11	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 15:39	KAL
Aroclor-1260 [1]	0.35	0.11	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 15:39	KAL
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 15:39	KAL
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 15:39	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	72.7	30-150		9/18/17 15:39
Decachlorobiphenyl [2]	77.7	30-150		9/18/17 15:39
Tetrachloro-m-xylene [1]	73.2	30-150		9/18/17 15:39
Tetrachloro-m-xylene [2]	73.5	30-150		9/18/17 15:39

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0172

Date Received: 9/6/2017

Field Sample #: WS-AOC14-SE-69 Sampled: 9/6/2017 09:20

Sample ID: 17I0172-06

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	71.8		% Wt	1		SM 2540G	9/12/17	9/13/17 8:38	MRL

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0172

Date Received: 9/6/2017

Field Sample #: WS-AOC14-SE-70 Sampled: 9/6/2017 09:30

Sample ID: 17I0172-07

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.14	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 15:52	KAL
Aroclor-1221 [1]	ND	0.14	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 15:52	KAL
Aroclor-1232 [1]	ND	0.14	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 15:52	KAL
Aroclor-1242 [1]	ND	0.14	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 15:52	KAL
Aroclor-1248 [1]	0.32	0.14	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 15:52	KAL
Aroclor-1254 [2]	0.46	0.14	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 15:52	KAL
Aroclor-1260 [2]	0.25	0.14	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 15:52	KAL
Aroclor-1262 [1]	ND	0.14	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 15:52	KAL
Aroclor-1268 [1]	ND	0.14	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 15:52	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	77.2	30-150		9/18/17 15:52
Decachlorobiphenyl [2]	90.7	30-150		9/18/17 15:52
Tetrachloro-m-xylene [1]	73.9	30-150		9/18/17 15:52
Tetrachloro-m-xylene [2]	74.4	30-150		9/18/17 15:52

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0172

Date Received: 9/6/2017

Field Sample #: WS-AOC14-SE-70 Sampled: 9/6/2017 09:30

Sample ID: 17I0172-07

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	57.4		% Wt	1		SM 2540G	9/12/17	9/13/17 8:38	MRL

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0172

Date Received: 9/6/2017

Field Sample #: WS-AOC14-SE-71 Sampled: 9/6/2017 09:40

Sample ID: 17I0172-08

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.17	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 16:04	KAL
Aroclor-1221 [1]	ND	0.17	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 16:04	KAL
Aroclor-1232 [1]	ND	0.17	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 16:04	KAL
Aroclor-1242 [1]	ND	0.17	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 16:04	KAL
Aroclor-1248 [1]	0.62	0.17	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 16:04	KAL
Aroclor-1254 [2]	0.62	0.17	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 16:04	KAL
Aroclor-1260 [1]	0.28	0.17	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 16:04	KAL
Aroclor-1262 [1]	ND	0.17	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 16:04	KAL
Aroclor-1268 [1]	ND	0.17	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 16:04	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	75.8	30-150		9/18/17 16:04
Decachlorobiphenyl [2]	88.7	30-150		9/18/17 16:04
Tetrachloro-m-xylene [1]	72.4	30-150		9/18/17 16:04
Tetrachloro-m-xylene [2]	74.5	30-150		9/18/17 16:04

con-test® ANALYTICAL LABORATORY

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0172

Date Received: 9/6/2017

Field Sample #: WS-AOC14-SE-71 Sampled: 9/6/2017 09:40

Sample ID: 17I0172-08

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	47.2		% Wt	1		SM 2540G	9/12/17	9/13/17 8:38	MRL

con-test® ANALYTICAL LABORATORY

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0172

Date Received: 9/6/2017

Field Sample #: WS-AOC14-CO-1 Sampled: 9/6/2017 08:20

Sample ID: 17I0172-09

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.094	mg/Kg	1		SW-846 8082A	9/8/17	9/14/17 17:22	TG
Aroclor-1221 [1]	ND	0.094	mg/Kg	1		SW-846 8082A	9/8/17	9/14/17 17:22	TG
Aroclor-1232 [1]	ND	0.094	mg/Kg	1		SW-846 8082A	9/8/17	9/14/17 17:22	TG
Aroclor-1242 [1]	ND	0.094	mg/Kg	1		SW-846 8082A	9/8/17	9/14/17 17:22	TG
Aroclor-1248 [1]	ND	0.094	mg/Kg	1		SW-846 8082A	9/8/17	9/14/17 17:22	TG
Aroclor-1254 [1]	ND	0.094	mg/Kg	1		SW-846 8082A	9/8/17	9/14/17 17:22	TG
Aroclor-1260 [1]	ND	0.094	mg/Kg	1		SW-846 8082A	9/8/17	9/14/17 17:22	TG
Aroclor-1262 [1]	ND	0.094	mg/Kg	1		SW-846 8082A	9/8/17	9/14/17 17:22	TG
Aroclor-1268 [1]	ND	0.094	mg/Kg	1		SW-846 8082A	9/8/17	9/14/17 17:22	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	82.1	30-150		9/14/17 17:22
Decachlorobiphenyl [2]	82.4	30-150		9/14/17 17:22
Tetrachloro-m-xylene [1]	83.4	30-150		9/14/17 17:22
Tetrachloro-m-xylene [2]	83.6	30-150		9/14/17 17:22

con-test® ANALYTICAL LABORATORY

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0172

Date Received: 9/6/2017

Field Sample #: WS-AOC14-CO-64 Sampled: 9/6/2017 08:35

Sample ID: 17I0172-10

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	9/8/17	9/14/17 17:35	TG
Aroclor-1221 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	9/8/17	9/14/17 17:35	TG
Aroclor-1232 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	9/8/17	9/14/17 17:35	TG
Aroclor-1242 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	9/8/17	9/14/17 17:35	TG
Aroclor-1248 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	9/8/17	9/14/17 17:35	TG
Aroclor-1254 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	9/8/17	9/14/17 17:35	TG
Aroclor-1260 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	9/8/17	9/14/17 17:35	TG
Aroclor-1262 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	9/8/17	9/14/17 17:35	TG
Aroclor-1268 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	9/8/17	9/14/17 17:35	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	75.6	30-150		9/14/17 17:35
Decachlorobiphenyl [2]	73.8	30-150		9/14/17 17:35
Tetrachloro-m-xylene [1]	84.1	30-150		9/14/17 17:35
Tetrachloro-m-xylene [2]	85.6	30-150		9/14/17 17:35

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0172

Date Received: 9/6/2017

Field Sample #: WS-AOC14-CO-65 Sampled: 9/6/2017 08:45

Sample ID: 17I0172-11

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	9/8/17	9/14/17 17:47	TG
Aroclor-1221 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	9/8/17	9/14/17 17:47	TG
Aroclor-1232 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	9/8/17	9/14/17 17:47	TG
Aroclor-1242 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	9/8/17	9/14/17 17:47	TG
Aroclor-1248 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	9/8/17	9/14/17 17:47	TG
Aroclor-1254 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	9/8/17	9/14/17 17:47	TG
Aroclor-1260 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	9/8/17	9/14/17 17:47	TG
Aroclor-1262 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	9/8/17	9/14/17 17:47	TG
Aroclor-1268 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	9/8/17	9/14/17 17:47	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	73.9	30-150		9/14/17 17:47
Decachlorobiphenyl [2]	73.1	30-150		9/14/17 17:47
Tetrachloro-m-xylene [1]	79.1	30-150		9/14/17 17:47
Tetrachloro-m-xylene [2]	80.6	30-150		9/14/17 17:47

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0172

Date Received: 9/6/2017

Field Sample #: WS-AOC14-CO-66 Sampled: 9/6/2017 08:55

Sample ID: 17I0172-12

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	9/8/17	9/14/17 18:00	TG
Aroclor-1221 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	9/8/17	9/14/17 18:00	TG
Aroclor-1232 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	9/8/17	9/14/17 18:00	TG
Aroclor-1242 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	9/8/17	9/14/17 18:00	TG
Aroclor-1248 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	9/8/17	9/14/17 18:00	TG
Aroclor-1254 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	9/8/17	9/14/17 18:00	TG
Aroclor-1260 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	9/8/17	9/14/17 18:00	TG
Aroclor-1262 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	9/8/17	9/14/17 18:00	TG
Aroclor-1268 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	9/8/17	9/14/17 18:00	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	73.0	30-150		9/14/17 18:00
Decachlorobiphenyl [2]	72.2	30-150		9/14/17 18:00
Tetrachloro-m-xylene [1]	79.4	30-150		9/14/17 18:00
Tetrachloro-m-xylene [2]	80.8	30-150		9/14/17 18:00

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0172

Date Received: 9/6/2017

Field Sample #: WS-AOC14-CO-67 Sampled: 9/6/2017 09:05

Sample ID: 17I0172-13

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.085	mg/Kg	1		SW-846 8082A	9/8/17	9/14/17 18:13	TG
Aroclor-1221 [1]	ND	0.085	mg/Kg	1		SW-846 8082A	9/8/17	9/14/17 18:13	TG
Aroclor-1232 [1]	ND	0.085	mg/Kg	1		SW-846 8082A	9/8/17	9/14/17 18:13	TG
Aroclor-1242 [1]	ND	0.085	mg/Kg	1		SW-846 8082A	9/8/17	9/14/17 18:13	TG
Aroclor-1248 [1]	ND	0.085	mg/Kg	1		SW-846 8082A	9/8/17	9/14/17 18:13	TG
Aroclor-1254 [1]	ND	0.085	mg/Kg	1		SW-846 8082A	9/8/17	9/14/17 18:13	TG
Aroclor-1260 [1]	ND	0.085	mg/Kg	1		SW-846 8082A	9/8/17	9/14/17 18:13	TG
Aroclor-1262 [1]	ND	0.085	mg/Kg	1		SW-846 8082A	9/8/17	9/14/17 18:13	TG
Aroclor-1268 [1]	ND	0.085	mg/Kg	1		SW-846 8082A	9/8/17	9/14/17 18:13	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	72.3	30-150		9/14/17 18:13
Decachlorobiphenyl [2]	71.5	30-150		9/14/17 18:13
Tetrachloro-m-xylene [1]	76.3	30-150		9/14/17 18:13
Tetrachloro-m-xylene [2]	77.3	30-150		9/14/17 18:13

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0172

Date Received: 9/6/2017

Field Sample #: WS-AOC14-CO-68 Sampled: 9/6/2017 09:15

Sample ID: 17I0172-14

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.087	mg/Kg	1		SW-846 8082A	9/8/17	9/14/17 18:25	TG
Aroclor-1221 [1]	ND	0.087	mg/Kg	1		SW-846 8082A	9/8/17	9/14/17 18:25	TG
Aroclor-1232 [1]	ND	0.087	mg/Kg	1		SW-846 8082A	9/8/17	9/14/17 18:25	TG
Aroclor-1242 [1]	ND	0.087	mg/Kg	1		SW-846 8082A	9/8/17	9/14/17 18:25	TG
Aroclor-1248 [1]	ND	0.087	mg/Kg	1		SW-846 8082A	9/8/17	9/14/17 18:25	TG
Aroclor-1254 [1]	ND	0.087	mg/Kg	1		SW-846 8082A	9/8/17	9/14/17 18:25	TG
Aroclor-1260 [1]	ND	0.087	mg/Kg	1		SW-846 8082A	9/8/17	9/14/17 18:25	TG
Aroclor-1262 [1]	ND	0.087	mg/Kg	1		SW-846 8082A	9/8/17	9/14/17 18:25	TG
Aroclor-1268 [1]	ND	0.087	mg/Kg	1		SW-846 8082A	9/8/17	9/14/17 18:25	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	80.4	30-150		9/14/17 18:25
Decachlorobiphenyl [2]	80.6	30-150		9/14/17 18:25
Tetrachloro-m-xylene [1]	83.0	30-150		9/14/17 18:25
Tetrachloro-m-xylene [2]	83.9	30-150		9/14/17 18:25

con-test® ANALYTICAL LABORATORY

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0172

Date Received: 9/6/2017

Field Sample #: WS-AOC14-CO-69 Sampled: 9/6/2017 09:25

Sample ID: 17I0172-15

Sample Matrix: Product/Solid

Sample Flags: DL-03

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.97	mg/Kg	10		SW-846 8082A	9/8/17	9/14/17 18:38	TG
Aroclor-1221 [1]	ND	0.97	mg/Kg	10		SW-846 8082A	9/8/17	9/14/17 18:38	TG
Aroclor-1232 [1]	ND	0.97	mg/Kg	10		SW-846 8082A	9/8/17	9/14/17 18:38	TG
Aroclor-1242 [1]	ND	0.97	mg/Kg	10		SW-846 8082A	9/8/17	9/14/17 18:38	TG
Aroclor-1248 [1]	ND	0.97	mg/Kg	10		SW-846 8082A	9/8/17	9/14/17 18:38	TG
Aroclor-1254 [1]	ND	0.97	mg/Kg	10		SW-846 8082A	9/8/17	9/14/17 18:38	TG
Aroclor-1260 [1]	ND	0.97	mg/Kg	10		SW-846 8082A	9/8/17	9/14/17 18:38	TG
Aroclor-1262 [1]	ND	0.97	mg/Kg	10		SW-846 8082A	9/8/17	9/14/17 18:38	TG
Aroclor-1268 [1]	ND	0.97	mg/Kg	10		SW-846 8082A	9/8/17	9/14/17 18:38	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	73.4	30-150		9/14/17 18:38
Decachlorobiphenyl [2]	83.6	30-150		9/14/17 18:38
Tetrachloro-m-xylene [1]	77.3	30-150		9/14/17 18:38
Tetrachloro-m-xylene [2]	83.8	30-150		9/14/17 18:38

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0172

Date Received: 9/6/2017

Field Sample #: WS-AOC14-CO-70 Sampled: 9/6/2017 09:35

Sample ID: 17I0172-16

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	9/8/17	9/14/17 18:51	TG
Aroclor-1221 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	9/8/17	9/14/17 18:51	TG
Aroclor-1232 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	9/8/17	9/14/17 18:51	TG
Aroclor-1242 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	9/8/17	9/14/17 18:51	TG
Aroclor-1248 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	9/8/17	9/14/17 18:51	TG
Aroclor-1254 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	9/8/17	9/14/17 18:51	TG
Aroclor-1260 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	9/8/17	9/14/17 18:51	TG
Aroclor-1262 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	9/8/17	9/14/17 18:51	TG
Aroclor-1268 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	9/8/17	9/14/17 18:51	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	73.6	30-150		9/14/17 18:51
Decachlorobiphenyl [2]	73.9	30-150		9/14/17 18:51
Tetrachloro-m-xylene [1]	81.3	30-150		9/14/17 18:51
Tetrachloro-m-xylene [2]	80.8	30-150		9/14/17 18:51

con-test® ANALYTICAL LABORATORY

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0172

Date Received: 9/6/2017

Field Sample #: WS-AOC14-CO-71 Sampled: 9/6/2017 09:45

Sample ID: 17I0172-17

Sample Matrix: Product/Solid

Sample Flags: DL-03

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.93	mg/Kg	10		SW-846 8082A	9/8/17	9/14/17 19:03	TG
Aroclor-1221 [1]	ND	0.93	mg/Kg	10		SW-846 8082A	9/8/17	9/14/17 19:03	TG
Aroclor-1232 [1]	ND	0.93	mg/Kg	10		SW-846 8082A	9/8/17	9/14/17 19:03	TG
Aroclor-1242 [1]	ND	0.93	mg/Kg	10		SW-846 8082A	9/8/17	9/14/17 19:03	TG
Aroclor-1248 [1]	ND	0.93	mg/Kg	10		SW-846 8082A	9/8/17	9/14/17 19:03	TG
Aroclor-1254 [1]	ND	0.93	mg/Kg	10		SW-846 8082A	9/8/17	9/14/17 19:03	TG
Aroclor-1260 [1]	ND	0.93	mg/Kg	10		SW-846 8082A	9/8/17	9/14/17 19:03	TG
Aroclor-1262 [1]	ND	0.93	mg/Kg	10		SW-846 8082A	9/8/17	9/14/17 19:03	TG
Aroclor-1268 [1]	ND	0.93	mg/Kg	10		SW-846 8082A	9/8/17	9/14/17 19:03	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	76.4	30-150		9/14/17 19:03
Decachlorobiphenyl [2]	86.2	30-150		9/14/17 19:03
Tetrachloro-m-xylene [1]	86.1	30-150		9/14/17 19:03
Tetrachloro-m-xylene [2]	91.4	30-150		9/14/17 19:03

con-test® ANALYTICAL LABORATORY

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Sample Extraction Data

Prep Method: % Solids-SM 2540G

Lab Number [Field ID]	Batch	Date
17I0172-01 [WS-AOC14-SE-64]	B185999	09/12/17
17I0172-02 [WS-AOC14-SE-65]	B185999	09/12/17
17I0172-03 [WS-AOC14-SE-66]	B185999	09/12/17
17I0172-04 [WS-AOC14-SE-67]	B185999	09/12/17
17I0172-05 [WS-AOC14-SE-68]	B185999	09/12/17
17I0172-06 [WS-AOC14-SE-69]	B185999	09/12/17
17I0172-07 [WS-AOC14-SE-70]	B185999	09/12/17
17I0172-08 [WS-AOC14-SE-71]	B185999	09/12/17

Prep Method: SW-846 3540C-SW-846 8082A

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17I0172-09 [WS-AOC14-CO-1]	B185833	2.13	10.0	09/08/17
17I0172-10 [WS-AOC14-CO-64]	B185833	2.04	10.0	09/08/17
17I0172-11 [WS-AOC14-CO-65]	B185833	2.03	10.0	09/08/17
17I0172-12 [WS-AOC14-CO-66]	B185833	2.09	10.0	09/08/17
17I0172-13 [WS-AOC14-CO-67]	B185833	2.34	10.0	09/08/17
17I0172-14 [WS-AOC14-CO-68]	B185833	2.29	10.0	09/08/17
17I0172-15 [WS-AOC14-CO-69]	B185833	2.07	10.0	09/08/17
17I0172-16 [WS-AOC14-CO-70]	B185833	2.20	10.0	09/08/17
17I0172-17 [WS-AOC14-CO-71]	B185833	2.15	10.0	09/08/17

Prep Method: SW-846 3540C-SW-846 8082A

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17I0172-01 [WS-AOC14-SE-64]	B185991	10.0	10.0	09/12/17
17I0172-02 [WS-AOC14-SE-65]	B185991	10.0	10.0	09/12/17
17I0172-03 [WS-AOC14-SE-66]	B185991	10.0	10.0	09/12/17
17I0172-04 [WS-AOC14-SE-67]	B185991	10.0	10.0	09/12/17
17I0172-05 [WS-AOC14-SE-68]	B185991	10.0	10.0	09/12/17
17I0172-06 [WS-AOC14-SE-69]	B185991	10.0	10.0	09/12/17
17I0172-07 [WS-AOC14-SE-70]	B185991	10.0	10.0	09/12/17
17I0172-08 [WS-AOC14-SE-71]	B185991	10.0	10.0	09/12/17

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QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B185833 - SW-846 3540C										
Blank (B185833-BLK1)				Prepared: 09/08/17 Analyzed: 09/14/17						
Aroclor-1016	ND	0.10	mg/Kg							
Aroclor-1016 [2C]	ND	0.10	mg/Kg							
Aroclor-1221	ND	0.10	mg/Kg							
Aroclor-1221 [2C]	ND	0.10	mg/Kg							
Aroclor-1232	ND	0.10	mg/Kg							
Aroclor-1232 [2C]	ND	0.10	mg/Kg							
Aroclor-1242	ND	0.10	mg/Kg							
Aroclor-1242 [2C]	ND	0.10	mg/Kg							
Aroclor-1248	ND	0.10	mg/Kg							
Aroclor-1248 [2C]	ND	0.10	mg/Kg							
Aroclor-1254	ND	0.10	mg/Kg							
Aroclor-1254 [2C]	ND	0.10	mg/Kg							
Aroclor-1260	ND	0.10	mg/Kg							
Aroclor-1260 [2C]	ND	0.10	mg/Kg							
Aroclor-1262	ND	0.10	mg/Kg							
Aroclor-1262 [2C]	ND	0.10	mg/Kg							
Aroclor-1268	ND	0.10	mg/Kg							
Aroclor-1268 [2C]	ND	0.10	mg/Kg							
Surrogate: Decachlorobiphenyl	*0.931*		mg/Kg	1.00		93.1	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.892*		mg/Kg	1.00		89.2	30-150			
Surrogate: Tetrachloro-m-xylene	*0.922*		mg/Kg	1.00		92.2	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.926*		mg/Kg	1.00		92.6	30-150			
LCS (B185833-BS1)				Prepared: 09/08/17 Analyzed: 09/14/17						
Aroclor-1016	0.90	0.10	mg/Kg	1.00		89.7	40-140			
Aroclor-1016 [2C]	0.84	0.10	mg/Kg	1.00		83.7	40-140			
Aroclor-1260	0.83	0.10	mg/Kg	1.00		82.6	40-140			
Aroclor-1260 [2C]	0.75	0.10	mg/Kg	1.00		75.2	40-140			
Surrogate: Decachlorobiphenyl	*0.962*		mg/Kg	1.00		96.2	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.928*		mg/Kg	1.00		92.8	30-150			
Surrogate: Tetrachloro-m-xylene	*0.915*		mg/Kg	1.00		91.5	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.927*		mg/Kg	1.00		92.7	30-150			
LCS Dup (B185833-BSD1)				Prepared: 09/08/17 Analyzed: 09/14/17						
Aroclor-1016	0.92	0.10	mg/Kg	1.00		91.9	40-140	2.46	30	
Aroclor-1016 [2C]	0.88	0.10	mg/Kg	1.00		88.0	40-140	4.96	30	
Aroclor-1260	0.83	0.10	mg/Kg	1.00		82.6	40-140	0.0660	30	
Aroclor-1260 [2C]	0.76	0.10	mg/Kg	1.00		76.0	40-140	1.06	30	
Surrogate: Decachlorobiphenyl	*0.960*		mg/Kg	1.00		96.0	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.925*		mg/Kg	1.00		92.5	30-150			
Surrogate: Tetrachloro-m-xylene	*0.904*		mg/Kg	1.00		90.4	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.909*		mg/Kg	1.00		90.9	30-150			

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QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B185991 - SW-846 3540C										
Blank (B185991-BLK1)				Prepared: 09/12/17 Analyzed: 09/18/17						
Aroclor-1016	ND	0.020	mg/Kg wet							
Aroclor-1016 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1221	ND	0.020	mg/Kg wet							
Aroclor-1221 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1232	ND	0.020	mg/Kg wet							
Aroclor-1232 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1242	ND	0.020	mg/Kg wet							
Aroclor-1242 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1248	ND	0.020	mg/Kg wet							
Aroclor-1248 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1254	ND	0.020	mg/Kg wet							
Aroclor-1254 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1260	ND	0.020	mg/Kg wet							
Aroclor-1260 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1262	ND	0.020	mg/Kg wet							
Aroclor-1262 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1268	ND	0.020	mg/Kg wet							
Aroclor-1268 [2C]	ND	0.020	mg/Kg wet							
Surrogate: Decachlorobiphenyl	*0.184*		mg/Kg wet	0.200		91.8	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.186*		mg/Kg wet	0.200		93.2	30-150			
Surrogate: Tetrachloro-m-xylene	*0.166*		mg/Kg wet	0.200		83.1	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.176*		mg/Kg wet	0.200		88.0	30-150			
LCS (B185991-BS1)				Prepared: 09/12/17 Analyzed: 09/18/17						
Aroclor-1016	0.18	0.020	mg/Kg wet	0.200		89.4	40-140			
Aroclor-1016 [2C]	0.20	0.020	mg/Kg wet	0.200		98.3	40-140			
Aroclor-1260	0.18	0.020	mg/Kg wet	0.200		89.2	40-140			
Aroclor-1260 [2C]	0.17	0.020	mg/Kg wet	0.200		82.7	40-140			
Surrogate: Decachlorobiphenyl	*0.196*		mg/Kg wet	0.200		98.1	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.190*		mg/Kg wet	0.200		95.0	30-150			
Surrogate: Tetrachloro-m-xylene	*0.179*		mg/Kg wet	0.200		89.4	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.183*		mg/Kg wet	0.200		91.4	30-150			
LCS Dup (B185991-BSD1)				Prepared: 09/12/17 Analyzed: 09/18/17						
Aroclor-1016	0.17	0.020	mg/Kg wet	0.200		85.9	40-140	4.07	30	
Aroclor-1016 [2C]	0.19	0.020	mg/Kg wet	0.200		95.4	40-140	3.01	30	
Aroclor-1260	0.17	0.020	mg/Kg wet	0.200		86.2	40-140	3.41	30	
Aroclor-1260 [2C]	0.16	0.020	mg/Kg wet	0.200		81.4	40-140	1.61	30	
Surrogate: Decachlorobiphenyl	*0.182*		mg/Kg wet	0.200		91.1	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.179*		mg/Kg wet	0.200		89.3	30-150			
Surrogate: Tetrachloro-m-xylene	*0.162*		mg/Kg wet	0.200		80.9	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.166*		mg/Kg wet	0.200		83.0	30-150			

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QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B185991 - SW-846 3540C										
Matrix Spike (B185991-MS1)		**Source: 17I0172-01**		Prepared: 09/12/17 Analyzed: 09/18/17						
Aroclor-1016	0.18	0.092	mg/Kg dry	0.230	ND	79.2	40-140			
Aroclor-1016 [2C]	0.20	0.092	mg/Kg dry	0.230	ND	86.6	40-140			
Aroclor-1260	0.16	0.092	mg/Kg dry	0.230	ND	70.0	40-140			
Aroclor-1260 [2C]	0.14	0.092	mg/Kg dry	0.230	ND	62.8	40-140			
Surrogate: Decachlorobiphenyl	*0.160*		mg/Kg dry	0.230		69.5	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.160*		mg/Kg dry	0.230		69.5	30-150			
Surrogate: Tetrachloro-m-xylene	*0.160*		mg/Kg dry	0.230		69.5	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.178*		mg/Kg dry	0.230		77.2	30-150			
Matrix Spike Dup (B185991-MSD1)		**Source: 17I0172-01**		Prepared: 09/12/17 Analyzed: 09/18/17						
Aroclor-1016	0.19	0.092	mg/Kg dry	0.230	ND	84.6	40-140	6.60	50	
Aroclor-1016 [2C]	0.22	0.092	mg/Kg dry	0.230	ND	93.8	40-140	7.94	50	
Aroclor-1260	0.18	0.092	mg/Kg dry	0.230	ND	78.8	40-140	11.9	50	
Aroclor-1260 [2C]	0.20	0.092	mg/Kg dry	0.230	ND	85.1	40-140	30.2	50	
Surrogate: Decachlorobiphenyl	*0.175*		mg/Kg dry	0.230		76.0	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.175*		mg/Kg dry	0.230		76.2	30-150			
Surrogate: Tetrachloro-m-xylene	*0.173*		mg/Kg dry	0.230		75.4	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.193*		mg/Kg dry	0.230		84.0	30-150			

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QUALITY CONTROL

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B185999 - % Solids										
Duplicate (B185999-DUP4)		**Source: 17I0172-01**		Prepared: 09/12/17 Analyzed: 09/13/17						
% Solids	85.8		% Wt		86.9			1.27	20	
Duplicate (B185999-DUP5)		**Source: 17I0172-02**		Prepared: 09/12/17 Analyzed: 09/13/17						
% Solids	81.6		% Wt		85.6			4.78	20	
Duplicate (B185999-DUP6)		**Source: 17I0172-03**		Prepared: 09/12/17 Analyzed: 09/13/17						
% Solids	61.4		% Wt		55.0			11.0	20	

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC14-SE-65

Lab Sample ID: 17I0172-02

Date(s) Analyzed: 09/18/2017 09/18/2017

Instrument ID (1):

Instrument ID (2):

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	0.11	
	2	0.000	-0.030	0.030	0.13	16.7

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC14-SE-66

Lab Sample ID: 17I0172-03 Date(s) Analyzed: 09/18/2017 09/18/2017

Instrument ID (1): Instrument ID (2):

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1248	1	0.000	-0.030	0.030	0.44	
	2	0.000	-0.030	0.030	0.40	9.5
Aroclor-1254	1	0.000	-0.030	0.030	0.41	
	2	0.000	-0.030	0.030	0.51	21.7
Aroclor-1260	1	0.000	-0.030	0.030	0.23	
	2	0.000	-0.030	0.030	0.25	8.3

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC14-SE-67

Lab Sample ID: 17I0172-04 Date(s) Analyzed: 09/18/2017 09/18/2017

Instrument ID (1): Instrument ID (2):

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1248	1	0.000	-0.030	0.030	0.32	
	2	0.000	-0.030	0.030	0.26	20.7
Aroclor-1254	1	0.000	-0.030	0.030	0.34	
	2	0.000	-0.030	0.030	0.39	13.7
Aroclor-1260	1	0.000	-0.030	0.030	0.24	
	2	0.000	-0.030	0.030	0.23	4.3

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC14-SE-68

Lab Sample ID: 17I0172-05 Date(s) Analyzed: 09/18/2017 09/18/2017

Instrument ID (1): Instrument ID (2):

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1248	1	0.000	-0.030	0.030	0.19	
	2	0.000	-0.030	0.030	0.16	17.1
Aroclor-1254	1	0.000	-0.030	0.030	0.29	
	2	0.000	-0.030	0.030	0.35	18.8
Aroclor-1260	1	0.000	-0.030	0.030	0.26	
	2	0.000	-0.030	0.030	0.25	7.7

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC14-SE-69

Lab Sample ID: 17I0172-06 Date(s) Analyzed: 09/18/2017 09/18/2017

Instrument ID (1): Instrument ID (2):

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1248	1	0.000	-0.030	0.030	0.56	
	2	0.000	-0.030	0.030	0.48	15.4
Aroclor-1254	1	0.000	-0.030	0.030	0.59	
	2	0.000	-0.030	0.030	0.69	15.6
Aroclor-1260	1	0.000	-0.030	0.030	0.35	
	2	0.000	-0.030	0.030	0.33	5.9

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC14-SE-70

Lab Sample ID: 17I0172-07

Date(s) Analyzed: 09/18/2017 09/18/2017

Instrument ID (1):

Instrument ID (2):

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1248	1	0.000	-0.030	0.030	0.32	
	2	0.000	-0.030	0.030	0.27	20.0
Aroclor-1254	1	0.000	-0.030	0.030	0.34	
	2	0.000	-0.030	0.030	0.46	30.0
Aroclor-1260	1	0.000	-0.030	0.030	0.24	
	2	0.000	-0.030	0.030	0.25	4.1

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC14-SE-71

Lab Sample ID: 17I0172-08 Date(s) Analyzed: 09/18/2017 09/18/2017

Instrument ID (1): Instrument ID (2):

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1248	1	0.000	-0.030	0.030	0.62	
	2	0.000	-0.030	0.030	0.56	10.2
Aroclor-1254	1	0.000	-0.030	0.030	0.45	
	2	0.000	-0.030	0.030	0.62	31.8
Aroclor-1260	1	0.000	-0.030	0.030	0.28	
	2	0.000	-0.030	0.030	0.26	7.4

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit
DL	Method Detection Limit
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
DL-03	Elevated reporting limit due to matrix.

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8082A in Product/Solid	
Aroclor-1016	CT,NH,NY,ME,NC,VA
Aroclor-1016 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1221	CT,NH,NY,ME,NC,VA
Aroclor-1221 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1232	CT,NH,NY,ME,NC,VA
Aroclor-1232 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1242	CT,NH,NY,ME,NC,VA
Aroclor-1242 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1248	CT,NH,NY,ME,NC,VA
Aroclor-1248 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1254	CT,NH,NY,ME,NC,VA
Aroclor-1254 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1260	CT,NH,NY,ME,NC,VA
Aroclor-1260 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1262	NY,NC,VA
Aroclor-1262 [2C]	NY,NC,VA
Aroclor-1268	NY,NC,VA
Aroclor-1268 [2C]	NY,NC,VA
SW-846 8082A in Soil	
Aroclor-1016	CT,NH,NY,ME,NC,VA
Aroclor-1016 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1221	CT,NH,NY,ME,NC,VA
Aroclor-1221 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1232	CT,NH,NY,ME,NC,VA
Aroclor-1232 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1242	CT,NH,NY,ME,NC,VA
Aroclor-1242 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1248	CT,NH,NY,ME,NC,VA
Aroclor-1248 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1254	CT,NH,NY,ME,NC,VA
Aroclor-1254 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1260	CT,NH,NY,ME,NC,VA
Aroclor-1260 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1262	NY,NC,VA
Aroclor-1262 [2C]	NY,NC,VA
Aroclor-1268	NY,NC,VA
Aroclor-1268 [2C]	NY,NC,VA

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2005	100033	02/1/2018
MA	Massachusetts DEP	M-MA100	06/30/2018
CT	Connecticut Department of Publilc Health	PH-0567	09/30/2017
NY	New York State Department of Health	10899 NELAP	04/1/2018
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2018
RI	Rhode Island Department of Health	LAO00112	12/30/2017
NC	North Carolina Div. of Water Quality	652	12/31/2017
NJ	New Jersey DEP	MA007 NELAP	06/30/2018
FL	Florida Department of Health	E871027 NELAP	06/30/2018
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2018
ME	State of Maine	2011028	06/9/2019
VA	Commonwealth of Virginia	460217	12/14/2017
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2017
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2018
NC-DW	North Carolina Department of Health	25703	07/31/2018

17I0172

con-test ANALYTICAL LABORATORY

Phone: 413-525-2332
Fax: 413-525-6405
Email: info@contestlabs.com

http://www.contestlabs.com

Doc # 381 Rev 0 5 8 2015

CHAIN OF CUSTODY RECORD

39 Spruce Street
East Longmeadow, MA 01028

Company Name:	Weston & Sampson Engineers
Address:	273 Dividend Rd Rcoky Hill, CT
Phone:	860 513-1473
Project Name:	English Station
Project Location:	510 Grand Ave, New Haven, CT
Project Number:	2170495
Project Manager:	Malcolm Beeler
Con-Test Bid:	
Invoice Recipient:	Malcolm Beeler (Weston & Sampson)
Sampled By:	~~Chris Bartkiewicz~~ me/Will Sirotnak

Requested Turnaround Time
7-Day ☑ 10-Day ☐
Other: 5-day ☐

Rush-Approval Required
1-Day ☐ 3-Day ☐
2-Day ☐ 4-Day ☐

Data Delivery
Format: PDF ☑ EXCEL ☑
Other:
Enhanced Data Package Required: ☐
Email To: beelerm@wseinc.com
Fax To #:

ANALYSIS REQUESTED

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	[1] Matrix Code	Conc Code	PCBs via Soxhlet														# of Containers	[2] Preservation Code	[3] Container Code
1	WS-AOC14-SE-64	9/6/17	830		X	S	U	X																
2	WS-AOC14-SE-65		840					X																
3	WS-AOC14-SE-66		850					X																
4	WS-AOC14-SE-67		900					X																
5	WS-AOC14-SE-68		910					X																
6	WS-AOC14-SE-69		920					X																
7	WS-AOC14-SE-70		930					X																
8	WS-AOC14-SE-71		940					X																
9	WS-AOC14-Co-1		820			O		X																
10	WS-AOC14-Co-64		835			O		X																

Comments:

Please hold excess volumes for possible SPLP analyses.

Please use the following codes to indicate possible sample concentration within the **Conc Code** column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Dissolved Metals Samples
○ Field Filtered
○ Lab to Filter

Orthophosphate Samples
○ Field Filtered
○ Lab to Filter

[1] **Matrix Codes:**
GW = Ground Water
WW = Waste Water
DW = Drinking Water
A = Air
S = Soil/Solid
SL = Sludge
O = Other (please define) Porous Media (Concrete)

[2] **Preservation Codes:**
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium Bisulfate
X = Sodium Hydroxide
T = Sodium Thiosulfate
O = Other (please define) _____

[3] **Container Codes:**
A = Amber Glass
G = Glass
P = Plastic
ST = Sterile
V = Vial
S = Summa Canister
T = Tedlar Bag
O = Other (please define) _____

Relinquished by: (signature)	Date/Time:
[signature] 9/6/17	1430
Received by: (signature) [signature]	Date/Time: 1430 9/6/17
Relinquished by: (signature) [signature] 9/6/17	Date/Time: 1630
Received by: (signature) [signature] 9/6/17	Date/Time: 1630
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:

Detection Limit Requirements
MA
CT RES DEC
Other:

Program Information

○ MCP Analytical Certification Form Required
● RCP Analysis Certification Form Required
○ MA State DW Form Required
PWSID # _____

NELAC and AIHA-LAP, LLC Accredited

TURNAROUND TIME (BUSINESS DAYS) STARTS AT 9:00 AM THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON THIS CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR IS INCORRECT, TURNAROUND TIME CANNOT START UNTIL ALL QUESTIONS HAVE BEEN ANSWERED.

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CHAIN OF CUSTODY RECORD

39 Spruce Street
East Longmeadow, MA 01028

Company Name:	Weston & Sampson Engineers
Address:	273 Dividend Rd Rcoky Hill, CT
Phone:	860 513-1473
Project Name:	English Station
Project Location:	510 Grand Ave, New Haven, CT
Project Number:	2170495
Project Manager:	Malcolm Beeler
Con-Test Bid:	
Invoice Recipient:	Malcolm Beeler (Weston & Sampson)
Sampled By:	[redacted]me/Will Sirotnak

Requested Turnaround Time
7-Day ☑ 10-Day ☐
Other: 5-day ☐

Rush-Approval Required
1-Day ☐ 3-Day ☐
2-Day ☐ 4-Day ☐

Data Delivery
Format: PDF ☑ EXCEL ☑
Other:
Enhanced Data Package Required: ☐
Email To: beelerm@wseinc.com
Fax To #:

ANALYSIS REQUESTED

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	[1]Matrix Code	Conc Code	PCBs via Soxhlet												# of Containers	[2] Preservation Code	[3] Container Code
								I														A
11	WS-AOC14-Co-65	9/6/17	845		X	O	U	X														
12	WS-AOC14-Co-66		855					X														
13	WS-AOC14-Co-67		905					X														
14	WS-AOC14-Co-68		915					X														
15	WS-AOC14-Co-69		925					X														
16	WS-AOC14-Co-70		935					X														
17	WS-AOC14-Co-71		945					X														

Dissolved Metals Samples
○ Field Filtered
○ Lab to Filter

Orthophosphate Samples
○ Field Filtered
○ Lab to Filter

[1] **Matrix Codes:**
GW = Ground Water
WW = Waste Water
DW = Drinking Water
A = Air
S = Soil/Solid
SL = Sludge
O = Other (please define) Porous media (concrete)

[2] **Preservation Codes:**
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium Bisulfate
X = Sodium Hydroxide
T = Sodium Thiosulfate
O = Other (please define)

[3] **Container Codes:**
A = Amber Glass
G = Glass
P = Plastic
ST = Sterile
V = Vial
S = Summa Canister
T = Tedlar Bag
O = Other (please define)

Comments:

Please hold excess volumes for possible SPLP analyses.

Please use the following codes to indicate possible sample concentration within the **Conc Code** column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Relinquished by: (signature)	Date/Time:
[signature] 9/6/17	1430
Received by: (signature) [signature]	Date/Time: 9/6/17 1430
Relinquished by: (signature) [signature]	Date/Time: 9/6/17 1630
Received by: (signature) [signature] 9/6/17	Date/Time: 1630
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:

Detection Limit Requirements
MA
CT RES DEC
Other:

Program Information

○ MCP Analytical Certification Form Required
● RCP Analysis Certification Form Required
○ MA State DW Form Required
PWSID # _____

NELAC and AIHA-LAP, LLC Accredited

TURNAROUND TIME (BUSINESS DAYS) STARTS AT 9:00 AM THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON THIS CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR IS INCORRECT, TURNAROUND TIME CANNOT START UNTIL ALL QUESTIONS HAVE BEEN ANSWERED.

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Doc# 277 Rev 5 2017

Login Sample Receipt Checklist - (Rejection Criteria Listing - Using Acceptance Policy) Any False Statement will be brought to the attention of the Client - State True or False

Client Weston + Sampson

Received By JM Date 9/6/17 Time 1630

How were the samples received? In Cooler T No Cooler ____ On Ice T No Ice ____
Direct from Sampling ____ Ambient ____ Melted Ice ____
By Gun # 1 Actual Temp - 3.1

Were samples within Temperature? 2-6°C T By Blank # ____ Actual Temp - ____

Was Custody Seal Intact? N/A Were Samples Tampered with? N/A

Was COC Relinquished ? T Does Chain Agree With Samples? T

Are there broken/leaking/loose caps on any samples? F

Is COC in ink/ Legible? T Were samples received within holding time? T

Did COC include all pertinent Information? Client T Analysis T Sampler Name T
Project T ID's T Collection Dates/Times T

Are Sample labels filled out and legible? T

Are there Lab to Filters? N/A Who was notified? ____

Are there Rushes? N/A Who was notified? ____

Are there Short Holds? N/A Who was notified? ____

Is there enough Volume? T

Is there Headspace where applicable? N/A MS/MSD? N/A

Proper Media/Containers Used? T Is splitting samples required? N/A

Were trip blanks received? N/A On COC? N/A

Do all samples have the proper pH? N/A Acid ____ Base ____

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.	
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear	8
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear	9
Bisulfate-		Col./Bacteria		Flashpoint		2oz Amb/Clear	
DI-		Other Plastic		Other Glass		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Unused Media

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.	
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear	
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear	
Bisulfate-		Col./Bacteria		Flashpoint		2oz Amb/Clear	
DI-		Other Plastic		Other Glass		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Comments:

REASONABLE CONFIDENCE PROTOCOL
LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name: Con-Test Analytical Laboratory

Client: Weston & Sampson

Project Location: 510 Grand Ave., New Haven, CT

Project Number: 17I0172

Laboratory Sample ID(s):

17I0172-01 thru 17I0172-17

Sample Date(s):

09/06/2017

List RCP Methods Used:

SW-846 8082A

1	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CTDEP method-specific Reasonable Confidence Protocol documents?	☑ Yes ☐ No
1A	Were the method specified preservation and holding time requirements met?	☑ Yes ☐ No
1B	VPH and EPH Methods only: Was the VPH and EPH method conducted without significant modifications (see Section 11.3 of respective RCP methods)?	☐ Yes ☐ No ☑ N/A
2	Were all samples received by the laboratory in a condition consistent with that described on the associated chain-of-custody document(s)?	☑ Yes ☐ No
3	Were samples received at an appropriate temperature (< 6 degrees C.)?	☑ Yes ☐ No ☐ N/A
4	Were all QA/QC performance criteria specified in the CTDEP Reasonable Confidence Protocol documents achieved?	☑ Yes ☐ No
5A	Were reporting limits specified or referenced on the chain-of-custody?	☑ Yes ☐ No
5B	Were these reporting limits met?	☑ Yes ☐ No
6	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	☑ Yes ☐ No
7	Are project-specific matrix spikes and laboratory duplicates included in this data set?	☑ Yes ☐ No

Notes: For all questions to which the response was "No" (with the exception of question #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A, or #1B is "No", the data package does not meet the requirements for "Reasonable Confidence."
This form may not be altered and all questions must be answered.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete.

Authorized Signature: Lisa Worthington **Position:** **Project Manager**

Printed Name: **Lisa A. Worthington** **Date:** **09/19/17**

Name of Laboratory: **Con-Test Analytical Laboratory**

This certification form is to be used for RCP methods only.

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

September 19, 2017

Malcolm Beeler
Weston & Sampson
273 Dividend Road
Rocky Hill, CT 06067

Project Location: 510 Grand Ave., New Haven, CT
Client Job Number:
Project Number: 2170495
Laboratory Work Order Number: 17I0175

Enclosed are results of analyses for samples received by the laboratory on September 6, 2017. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

James M. Georgantas
Project Manager

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Weston & Sampson
273 Dividend Road
Rocky Hill, CT 06067
ATTN: Malcolm Beeler

REPORT DATE: 9/19/2017

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 2170495

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 17I0175

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: 510 Grand Ave., New Haven, CT

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
WS-AOC-15-SO-2-2	17I0175-01	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 8082A	
WS-AOC-15-SO-2-3	17I0175-02	Soil		SM 2540G	
				SW-846 8082A	
WS-AOC-15-SO-7-1	17I0175-03	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 8082A	
WS-AOC-15-SO-7-2	17I0175-04	Soil		SM 2540G	
				SW-846 8082A	
WS-AOC-15-SO-7-3	17I0175-05	Soil		SM 2540G	
				SW-846 8082A	
WS-AOC-12E-SO-52-1	17I0175-06	Soil		SM 2540G	
				SW-846 8082A	
WS-AOC-12E-SO-52-2	17I0175-07	Soil		SM 2540G	
				SW-846 8082A	
WS-AOC-12E-SO-45-1	17I0175-08	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 8082A	
WS-AOC-12E-SO-45-2	17I0175-09	Soil		SM 2540G	
				SW-846 8082A	
WS-AOC-12E-SO-45-3	17I0175-10	Soil		SM 2540G	
				SW-846 8082A	

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CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

CTDEP ETPH

Qualifications:

L-07

Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD between the two LFB/LCS results is within method specified criteria.

Analyte & Samples(s) Qualified:

CT ETPH

B186051-BS1

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

Lisa A. Worthington
Project Manager

con-test® ANALYTICAL LABORATORY

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0175

Date Received: 9/6/2017

Field Sample #: WS-AOC-15-SO-2-2 Sampled: 9/6/2017 13:23

Sample ID: 17I0175-01

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 16:55	KAL
Aroclor-1221 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 16:55	KAL
Aroclor-1232 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 16:55	KAL
Aroclor-1242 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 16:55	KAL
Aroclor-1248 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 16:55	KAL
Aroclor-1254 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 16:55	KAL
Aroclor-1260 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 16:55	KAL
Aroclor-1262 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 16:55	KAL
Aroclor-1268 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 16:55	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	88.3	30-150		9/18/17 16:55
Decachlorobiphenyl [2]	87.8	30-150		9/18/17 16:55
Tetrachloro-m-xylene [1]	80.4	30-150		9/18/17 16:55
Tetrachloro-m-xylene [2]	90.9	30-150		9/18/17 16:55

con-test® ANALYTICAL LABORATORY

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0175

Date Received: 9/6/2017

Field Sample #: WS-AOC-15-SO-2-2 Sampled: 9/6/2017 13:23

Sample ID: 17I0175-01

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	68	11	mg/Kg dry	1		CTDEP ETPH	9/12/17	9/13/17 18:04	SCS

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
o-Terphenyl	52.8	50-150		9/13/17 18:04

con-test® ANALYTICAL LABORATORY

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0175

Date Received: 9/6/2017

Field Sample #: WS-AOC-15-SO-2-2 Sampled: 9/6/2017 13:23

Sample ID: 17I0175-01

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	89.1		% Wt	1		SM 2540G	9/12/17	9/13/17 8:38	MRL

con-test® ANALYTICAL LABORATORY

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0175

Date Received: 9/6/2017

Field Sample #: WS-AOC-15-SO-2-3 Sampled: 9/6/2017 13:24

Sample ID: 17I0175-02

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 17:08	KAL
Aroclor-1221 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 17:08	KAL
Aroclor-1232 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 17:08	KAL
Aroclor-1242 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 17:08	KAL
Aroclor-1248 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 17:08	KAL
Aroclor-1254 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 17:08	KAL
Aroclor-1260 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 17:08	KAL
Aroclor-1262 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 17:08	KAL
Aroclor-1268 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 17:08	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	91.1	30-150		9/18/17 17:08
Decachlorobiphenyl [2]	89.1	30-150		9/18/17 17:08
Tetrachloro-m-xylene [1]	83.5	30-150		9/18/17 17:08
Tetrachloro-m-xylene [2]	95.7	30-150		9/18/17 17:08

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0175

Date Received: 9/6/2017

Field Sample #: WS-AOC-15-SO-2-3 Sampled: 9/6/2017 13:24

Sample ID: 17I0175-02

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	90.1		% Wt	1		SM 2540G	9/12/17	9/13/17 8:38	MRL

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0175

Date Received: 9/6/2017

Field Sample #: WS-AOC-15-SO-7-1 Sampled: 9/6/2017 13:33

Sample ID: 17I0175-03

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 17:20	KAL
Aroclor-1221 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 17:20	KAL
Aroclor-1232 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 17:20	KAL
Aroclor-1242 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 17:20	KAL
Aroclor-1248 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 17:20	KAL
Aroclor-1254 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 17:20	KAL
Aroclor-1260 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 17:20	KAL
Aroclor-1262 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 17:20	KAL
Aroclor-1268 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 17:20	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	88.1	30-150		9/18/17 17:20
Decachlorobiphenyl [2]	87.0	30-150		9/18/17 17:20
Tetrachloro-m-xylene [1]	90.6	30-150		9/18/17 17:20
Tetrachloro-m-xylene [2]	102	30-150		9/18/17 17:20

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0175

Date Received: 9/6/2017

Field Sample #: WS-AOC-15-SO-7-1 Sampled: 9/6/2017 13:33

Sample ID: 17I0175-03

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	160	100	mg/Kg dry	10		CTDEP ETPH	9/12/17	9/13/17 18:22	SCS

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
o-Terphenyl	68.6	50-150		9/13/17 18:22

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0175

Date Received: 9/6/2017

Field Sample #: WS-AOC-15-SO-7-1 Sampled: 9/6/2017 13:33

Sample ID: 17I0175-03

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	95.7		% Wt	1		SM 2540G	9/12/17	9/13/17 8:38	MRL

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0175

Date Received: 9/6/2017

Field Sample #: WS-AOC-15-SO-7-2 Sampled: 9/6/2017 13:34

Sample ID: 17I0175-04

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 17:33	KAL
Aroclor-1221 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 17:33	KAL
Aroclor-1232 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 17:33	KAL
Aroclor-1242 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 17:33	KAL
Aroclor-1248 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 17:33	KAL
Aroclor-1254 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 17:33	KAL
Aroclor-1260 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 17:33	KAL
Aroclor-1262 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 17:33	KAL
Aroclor-1268 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 17:33	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	77.3	30-150		9/18/17 17:33
Decachlorobiphenyl [2]	91.9	30-150		9/18/17 17:33
Tetrachloro-m-xylene [1]	78.9	30-150		9/18/17 17:33
Tetrachloro-m-xylene [2]	89.5	30-150		9/18/17 17:33

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0175

Date Received: 9/6/2017

Field Sample #: WS-AOC-15-SO-7-2 Sampled: 9/6/2017 13:34

Sample ID: 17I0175-04

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	92.8		% Wt	1		SM 2540G	9/12/17	9/13/17 8:38	MRL

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0175

Date Received: 9/6/2017

Field Sample #: WS-AOC-15-SO-7-3 Sampled: 9/6/2017 13:35

Sample ID: 17I0175-05

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 17:46	KAL
Aroclor-1221 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 17:46	KAL
Aroclor-1232 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 17:46	KAL
Aroclor-1242 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 17:46	KAL
Aroclor-1248 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 17:46	KAL
Aroclor-1254 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 17:46	KAL
Aroclor-1260 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 17:46	KAL
Aroclor-1262 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 17:46	KAL
Aroclor-1268 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 17:46	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	88.9	30-150		9/18/17 17:46
Decachlorobiphenyl [2]	85.0	30-150		9/18/17 17:46
Tetrachloro-m-xylene [1]	90.6	30-150		9/18/17 17:46
Tetrachloro-m-xylene [2]	105	30-150		9/18/17 17:46

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0175

Date Received: 9/6/2017

Field Sample #: WS-AOC-15-SO-7-3 Sampled: 9/6/2017 13:35

Sample ID: 17I0175-05

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	87.2		% Wt	1		SM 2540G	9/12/17	9/13/17 8:38	MRL

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0175

Date Received: 9/6/2017

Field Sample #: WS-AOC-12E-SO-52-1 Sampled: 9/5/2017 15:18

Sample ID: 17I0175-06

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 17:58	KAL
Aroclor-1221 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 17:58	KAL
Aroclor-1232 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 17:58	KAL
Aroclor-1242 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 17:58	KAL
Aroclor-1248 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 17:58	KAL
Aroclor-1254 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 17:58	KAL
Aroclor-1260 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 17:58	KAL
Aroclor-1262 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 17:58	KAL
Aroclor-1268 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 17:58	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	76.4	30-150		9/18/17 17:58
Decachlorobiphenyl [2]	63.6	30-150		9/18/17 17:58
Tetrachloro-m-xylene [1]	77.5	30-150		9/18/17 17:58
Tetrachloro-m-xylene [2]	84.1	30-150		9/18/17 17:58

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0175

Date Received: 9/6/2017

Field Sample #: WS-AOC-12E-SO-52-1 Sampled: 9/5/2017 15:18

Sample ID: 17I0175-06

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	94.1		% Wt	1		SM 2540G	9/12/17	9/13/17 8:38	MRL

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0175

Date Received: 9/6/2017

Field Sample #: WS-AOC-12E-SO-52-2 Sampled: 9/5/2017 15:19

Sample ID: 17I0175-07

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 18:11	KAL
Aroclor-1221 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 18:11	KAL
Aroclor-1232 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 18:11	KAL
Aroclor-1242 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 18:11	KAL
Aroclor-1248 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 18:11	KAL
Aroclor-1254 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 18:11	KAL
Aroclor-1260 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 18:11	KAL
Aroclor-1262 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 18:11	KAL
Aroclor-1268 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 18:11	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	77.0	30-150		9/18/17 18:11
Decachlorobiphenyl [2]	60.1	30-150		9/18/17 18:11
Tetrachloro-m-xylene [1]	88.2	30-150		9/18/17 18:11
Tetrachloro-m-xylene [2]	98.8	30-150		9/18/17 18:11

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0175

Date Received: 9/6/2017

Field Sample #: WS-AOC-12E-SO-52-2 Sampled: 9/5/2017 15:19

Sample ID: 17I0175-07

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	95.2		% Wt	1		SM 2540G	9/12/17	9/13/17 8:38	MRL

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0175

Date Received: 9/6/2017

Field Sample #: WS-AOC-12E-SO-45-1 Sampled: 9/5/2017 15:26

Sample ID: 17I0175-08

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 18:23	KAL
Aroclor-1221 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 18:23	KAL
Aroclor-1232 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 18:23	KAL
Aroclor-1242 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 18:23	KAL
Aroclor-1248 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 18:23	KAL
Aroclor-1254 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 18:23	KAL
Aroclor-1260 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 18:23	KAL
Aroclor-1262 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 18:23	KAL
Aroclor-1268 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 18:23	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	80.7	30-150		9/18/17 18:23
Decachlorobiphenyl [2]	63.8	30-150		9/18/17 18:23
Tetrachloro-m-xylene [1]	86.4	30-150		9/18/17 18:23
Tetrachloro-m-xylene [2]	100	30-150		9/18/17 18:23

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0175

Date Received: 9/6/2017

Field Sample #: WS-AOC-12E-SO-45-1 Sampled: 9/5/2017 15:26

Sample ID: 17I0175-08

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	ND	11	mg/Kg dry	1		CTDEP ETPH	9/12/17	9/14/17 10:12	SCS

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
o-Terphenyl	56.1	50-150		9/14/17 10:12

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0175

Date Received: 9/6/2017

Field Sample #: WS-AOC-12E-SO-45-1 Sampled: 9/5/2017 15:26

Sample ID: 17I0175-08

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	89.5		% Wt	1		SM 2540G	9/12/17	9/13/17 8:38	MRL

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0175

Date Received: 9/6/2017

Field Sample #: WS-AOC-12E-SO-45-2 Sampled: 9/5/2017 15:27

Sample ID: 17I0175-09

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 18:36	KAL
Aroclor-1221 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 18:36	KAL
Aroclor-1232 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 18:36	KAL
Aroclor-1242 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 18:36	KAL
Aroclor-1248 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 18:36	KAL
Aroclor-1254 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 18:36	KAL
Aroclor-1260 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 18:36	KAL
Aroclor-1262 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 18:36	KAL
Aroclor-1268 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 18:36	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	81.2	30-150		9/18/17 18:36
Decachlorobiphenyl [2]	70.3	30-150		9/18/17 18:36
Tetrachloro-m-xylene [1]	86.6	30-150		9/18/17 18:36
Tetrachloro-m-xylene [2]	102	30-150		9/18/17 18:36

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0175

Date Received: 9/6/2017

Field Sample #: WS-AOC-12E-SO-45-2 Sampled: 9/5/2017 15:27

Sample ID: 17I0175-09

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	89.3		% Wt	1		SM 2540G	9/12/17	9/13/17 8:38	MRL

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0175

Date Received: 9/6/2017

Field Sample #: WS-AOC-12E-SO-45-3 Sampled: 9/5/2017 15:34

Sample ID: 17I0175-10

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.12	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 18:49	KAL
Aroclor-1221 [1]	ND	0.12	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 18:49	KAL
Aroclor-1232 [1]	ND	0.12	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 18:49	KAL
Aroclor-1242 [1]	ND	0.12	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 18:49	KAL
Aroclor-1248 [1]	ND	0.12	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 18:49	KAL
Aroclor-1254 [1]	ND	0.12	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 18:49	KAL
Aroclor-1260 [1]	ND	0.12	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 18:49	KAL
Aroclor-1262 [1]	ND	0.12	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 18:49	KAL
Aroclor-1268 [1]	ND	0.12	mg/Kg dry	4		SW-846 8082A	9/12/17	9/18/17 18:49	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	86.9	30-150		9/18/17 18:49
Decachlorobiphenyl [2]	79.5	30-150		9/18/17 18:49
Tetrachloro-m-xylene [1]	88.5	30-150		9/18/17 18:49
Tetrachloro-m-xylene [2]	101	30-150		9/18/17 18:49

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0175

Date Received: 9/6/2017

Field Sample #: WS-AOC-12E-SO-45-3 Sampled: 9/5/2017 15:34

Sample ID: 17I0175-10

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	66.5		% Wt	1		SM 2540G	9/12/17	9/13/17 8:38	MRL

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Sample Extraction Data

Prep Method: SW-846 3546-CTDEP ETPH

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17I0175-01 [WS-AOC-15-SO-2-2]	B186051	30.0	1.00	09/12/17
17I0175-03 [WS-AOC-15-SO-7-1]	B186051	30.0	1.00	09/12/17
17I0175-08 [WS-AOC-12E-SO-45-1]	B186051	30.0	1.00	09/12/17

Prep Method: % Solids-SM 2540G

Lab Number [Field ID]	Batch	Date
17I0175-01 [WS-AOC-15-SO-2-2]	B185999	09/12/17
17I0175-02 [WS-AOC-15-SO-2-3]	B185999	09/12/17
17I0175-03 [WS-AOC-15-SO-7-1]	B185999	09/12/17
17I0175-04 [WS-AOC-15-SO-7-2]	B185999	09/12/17
17I0175-05 [WS-AOC-15-SO-7-3]	B185999	09/12/17
17I0175-06 [WS-AOC-12E-SO-52-1]	B185999	09/12/17
17I0175-07 [WS-AOC-12E-SO-52-2]	B185999	09/12/17
17I0175-08 [WS-AOC-12E-SO-45-1]	B185999	09/12/17
17I0175-09 [WS-AOC-12E-SO-45-2]	B185999	09/12/17
17I0175-10 [WS-AOC-12E-SO-45-3]	B185999	09/12/17

Prep Method: SW-846 3540C-SW-846 8082A

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17I0175-01 [WS-AOC-15-SO-2-2]	B185991	10.0	10.0	09/12/17
17I0175-02 [WS-AOC-15-SO-2-3]	B185991	10.0	10.0	09/12/17
17I0175-03 [WS-AOC-15-SO-7-1]	B185991	10.0	10.0	09/12/17
17I0175-04 [WS-AOC-15-SO-7-2]	B185991	10.0	10.0	09/12/17
17I0175-05 [WS-AOC-15-SO-7-3]	B185991	10.0	10.0	09/12/17
17I0175-06 [WS-AOC-12E-SO-52-1]	B185991	10.0	10.0	09/12/17
17I0175-07 [WS-AOC-12E-SO-52-2]	B185991	10.0	10.0	09/12/17
17I0175-08 [WS-AOC-12E-SO-45-1]	B185991	10.0	10.0	09/12/17
17I0175-09 [WS-AOC-12E-SO-45-2]	B185991	10.0	10.0	09/12/17
17I0175-10 [WS-AOC-12E-SO-45-3]	B185991	10.0	10.0	09/12/17

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QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B185991 - SW-846 3540C										
Blank (B185991-BLK1)				Prepared: 09/12/17 Analyzed: 09/18/17						
Aroclor-1016	ND	0.020	mg/Kg wet							
Aroclor-1016 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1221	ND	0.020	mg/Kg wet							
Aroclor-1221 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1232	ND	0.020	mg/Kg wet							
Aroclor-1232 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1242	ND	0.020	mg/Kg wet							
Aroclor-1242 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1248	ND	0.020	mg/Kg wet							
Aroclor-1248 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1254	ND	0.020	mg/Kg wet							
Aroclor-1254 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1260	ND	0.020	mg/Kg wet							
Aroclor-1260 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1262	ND	0.020	mg/Kg wet							
Aroclor-1262 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1268	ND	0.020	mg/Kg wet							
Aroclor-1268 [2C]	ND	0.020	mg/Kg wet							
Surrogate: Decachlorobiphenyl	*0.184*		mg/Kg wet	0.200		91.8	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.186*		mg/Kg wet	0.200		93.2	30-150			
Surrogate: Tetrachloro-m-xylene	*0.166*		mg/Kg wet	0.200		83.1	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.176*		mg/Kg wet	0.200		88.0	30-150			
LCS (B185991-BS1)				Prepared: 09/12/17 Analyzed: 09/18/17						
Aroclor-1016	0.18	0.020	mg/Kg wet	0.200		89.4	40-140			
Aroclor-1016 [2C]	0.20	0.020	mg/Kg wet	0.200		98.3	40-140			
Aroclor-1260	0.18	0.020	mg/Kg wet	0.200		89.2	40-140			
Aroclor-1260 [2C]	0.17	0.020	mg/Kg wet	0.200		82.7	40-140			
Surrogate: Decachlorobiphenyl	*0.196*		mg/Kg wet	0.200		98.1	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.190*		mg/Kg wet	0.200		95.0	30-150			
Surrogate: Tetrachloro-m-xylene	*0.179*		mg/Kg wet	0.200		89.4	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.183*		mg/Kg wet	0.200		91.4	30-150			
LCS Dup (B185991-BSD1)				Prepared: 09/12/17 Analyzed: 09/18/17						
Aroclor-1016	0.17	0.020	mg/Kg wet	0.200		85.9	40-140	4.07	30	
Aroclor-1016 [2C]	0.19	0.020	mg/Kg wet	0.200		95.4	40-140	3.01	30	
Aroclor-1260	0.17	0.020	mg/Kg wet	0.200		86.2	40-140	3.41	30	
Aroclor-1260 [2C]	0.16	0.020	mg/Kg wet	0.200		81.4	40-140	1.61	30	
Surrogate: Decachlorobiphenyl	*0.182*		mg/Kg wet	0.200		91.1	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.179*		mg/Kg wet	0.200		89.3	30-150			
Surrogate: Tetrachloro-m-xylene	*0.162*		mg/Kg wet	0.200		80.9	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.166*		mg/Kg wet	0.200		83.0	30-150			

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QUALITY CONTROL

Petroleum Hydrocarbons Analyses - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes
Batch B186051 - SW-846 3546											
Blank (B186051-BLK1)				Prepared: 09/12/17 Analyzed: 09/13/17							
CT ETPH	ND	10	mg/Kg wet								
Surrogate: o-Terphenyl	*2.76*		mg/Kg wet	3.33		82.8		50-150			
LCS (B186051-BS1)				Prepared: 09/12/17 Analyzed: 09/13/17							
CT ETPH	19.8	10	mg/Kg wet	33.3		**59.3**	*	60-120			L-07
Surrogate: o-Terphenyl	*2.36*		mg/Kg wet	3.33		70.8		50-150			
LCS Dup (B186051-BSD1)				Prepared: 09/12/17 Analyzed: 09/13/17							
CT ETPH	22.6	10	mg/Kg wet	33.3		67.8		60-120	13.3	30	
Surrogate: o-Terphenyl	*2.53*		mg/Kg wet	3.33		75.8		50-150			

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit
DL	Method Detection Limit
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
L-07	Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD between the two LFB/LCS results is within method specified criteria.

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
CTDEP ETPH in Soil	
CT ETPH	CT
SW-846 8082A in Soil	
Aroclor-1016	CT,NH,NY,ME,NC,VA
Aroclor-1016 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1221	CT,NH,NY,ME,NC,VA
Aroclor-1221 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1232	CT,NH,NY,ME,NC,VA
Aroclor-1232 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1242	CT,NH,NY,ME,NC,VA
Aroclor-1242 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1248	CT,NH,NY,ME,NC,VA
Aroclor-1248 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1254	CT,NH,NY,ME,NC,VA
Aroclor-1254 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1260	CT,NH,NY,ME,NC,VA
Aroclor-1260 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1262	NY,NC,VA
Aroclor-1262 [2C]	NY,NC,VA
Aroclor-1268	NY,NC,VA
Aroclor-1268 [2C]	NY,NC,VA

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2005	100033	02/1/2018
MA	Massachusetts DEP	M-MA100	06/30/2018
CT	Connecticut Department of Publilc Health	PH-0567	09/30/2017
NY	New York State Department of Health	10899 NELAP	04/1/2018
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2018
RI	Rhode Island Department of Health	LAO00112	12/30/2017
NC	North Carolina Div. of Water Quality	652	12/31/2017
NJ	New Jersey DEP	MA007 NELAP	06/30/2018
FL	Florida Department of Health	E871027 NELAP	06/30/2018
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2018
ME	State of Maine	2011028	06/9/2019
VA	Commonwealth of Virginia	460217	12/14/2017
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2017
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2018
NC-DW	North Carolina Department of Health	25703	07/31/2018

17I0175

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con-test ANALYTICAL LABORATORY

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Fax: 413-525-6405
Email: info@contestlabs.com

CHAIN OF CUSTODY RECORD

39 Spruce Street
East Longmeadow, MA 01028

Page _____ of _____

Company Name:	Weston & Sampson Engineers
Address:	273 Dividend Rd Rcoky Hill, CT
Phone:	860 513-1473
Project Name:	English Station
Project Location:	510 Grand Ave, New Haven, CT
Project Number:	2170495
Project Manager:	Malcolm Beeler
Con-Test Bid:	
Invoice Recipient:	Malcolm Beeler (Weston & Sampson)
Sampled By:	Chris Berthiaume/Will Sirotnak

Requested Turnaround Time
7-Day ☑ 10-Day ☐
Other: 5-day ☐

Rush Approval Required
1-Day ☐ 3-Day ☐
2-Day ☐ 4-Day ☐

Data Delivery
Format: PDF ☑ EXCEL ☑
Other:
Enhanced Data Package Required: ☐
Email To: beelerm@wseinc.com
Fax To #:

ANALYSIS REQUESTED

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	[1]Matrix Code	Conc Code	PCBs	Soxhlet	EPH												# of Containers / [2] Preservation Code / [3] Container Code
																						1
																						H
																						A
1	WS-ADC-1552-2	9/6/17	1323		X	S	U	X	X													
2	WS-ADC-1552-3	9/6/17	1324		X	S	U	X														
3	WS-ADC-1557-1	9/6/17	1333		X	S	U	X	X													
4	WS-ADC-1557-2	9/6/17	1334		X	S	U	X														
5	WS-ADC-1557-3	9/6/17	1335		X	S	U	X														
6	WS-ADC-12E-SD-52-1	9/5/17	1518		X	S	U	X														
7	WS-ADC-12E-SD-52-2	9/5/17	1519		X	S	U	X														
8	WS-ADC-12E-SD-45-1		1526		X	S	U	X	X													
9	WS-ADC-12E-SD-45-2		1527		X	S	U	X														
10	WS-ADC-12E-SD-45-3	↓	1534		X	S	U	X														

Dissolved Metals Samples
○ Field Filtered
○ Lab to Filter

Orthophosphate Samples
○ Field Filtered
○ Lab to Filter

[1] **Matrix Codes:**
GW = Ground Water
WW = Waste Water
DW = Drinking Water
A = Air
S = Soil/Solid
SL = Sludge
O = Other (please define) _____

[2] **Preservation Codes:**
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium Bisulfate
X = Sodium Hydroxide
T = Sodium Thiosulfate
O = Other (please define) _____

[3] **Container Codes:**
A = Amber Glass
G = Glass
P = Plastic
ST = Sterile
V = Vial
S = Summa Canister
T = Tedlar Bag
O = Other (please define) _____

Comments:

Please hold excess volumes for possible SPLP analyses.

Please use the following codes to indicate possible sample concentration within the **Conc Code** column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Relinquished by: (signature)	Date/Time: 9/6/17 1430
Received by: (signature)	Date/Time: 9/6/17 1430
Relinquished by: (signature)	Date/Time: 9/6/17 1630
Received by: (signature)	Date/Time: 9/6/17 1630
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:

Detection Limit Requirements
MA
CT RES DEC
Other:

Program Information

○ MCP Analytical Certification Form Required
● RCP Analysis Certification Form Required
○ MA State DW Form Required
PWSID # _____

NELAC and AIHA-LAP, LLC Accredited

TURNAROUND TIME (BUSINESS DAYS) STARTS AT 9:00 AM THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON THIS CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR IS INCORRECT, TURNAROUND TIME CANNOT START UNTIL ALL QUESTIONS HAVE BEEN ANSWERED.

PLEASE BE CAREFUL NOT TO CONTAMINATE THIS DOCUMENT

Table of Contents

39 Spruce St.
East Longmeadow, MA. 01028
P: 413-525-2332
F: 413-525-6405
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Doc# 277 Rev 5 2017

Login Sample Receipt Checklist - (Rejection Criteria Listing - Using Acceptance Policy) Any False Statement will be brought to the attention of the Client - State True or False

Client Weston + Sampson

Received By JM Date 9/6/17 Time 1630

How were the samples received? In Cooler T No Cooler ____ On Ice T No Ice ____
Direct from Sampling ____ Ambient ____ Melted Ice ____
By Gun # 1 Actual Temp - 3.1

Were samples within Temperature? 2-6°C T By Blank # ____ Actual Temp - ____

Was Custody Seal Intact? N/A Were Samples Tampered with? N/A

Was COC Relinquished ? T Does Chain Agree With Samples? T

Are there broken/leaking/loose caps on any samples? F

Is COC in ink/ Legible? T Were samples received within holding time? T

Did COC include all pertinent Information? Client T Analysis T Sampler Name T
Project T ID's T Collection Dates/Times T

Are Sample labels filled out and legible? T

Are there Lab to Filters? N/A Who was notified? ____

Are there Rushes? N/A Who was notified? ____

Are there Short Holds? N/A Who was notified? ____

Is there enough Volume? T

Is there Headspace where applicable? N/A MS/MSD? N/A

Proper Media/Containers Used? T Is splitting samples required? N/A

Were trip blanks received? N/A On COC? N/A

Do all samples have the proper pH? N/A Acid ____ Base ____

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.	
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear	10
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear	
Bisulfate-		Col./Bacteria		Flashpoint		2oz Amb/Clear	
DI-		Other Plastic		Other Glass		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Unused Media

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.	
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear	
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear	
Bisulfate-		Col./Bacteria		Flashpoint		2oz Amb/Clear	
DI-		Other Plastic		Other Glass		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Comments:

D:\HPCHEM\1\DATA\A091317.SEC\A0913007.D

CT ETPH DISCRIMINATION CHECK

Date Acquired	9/13/17
Data File Name	A0913007.D
Sample Name	ETPH 1500
Instrument Name	5890DFID

Compound	Ret Time	Target Response	Average Response	*%D +/- 20
c - 9	1.28	588071	606245	-3
c - 10	1.63	595033	606245	-2
c - 12	2.35	611957	606245	1
c - 14	3.01	622160	606245	3
c - 16	3.61	634325	606245	5
c - 18	4.23	624551	606245	3
o-Terphenyl	4.51	692611	606245	
c - 20	4.83	629691	606245	4
c - 22	5.34	636645	606245	5
c - 24	5.77	591488	606245	-2
c - 26	6.16	620737	606245	2
c - 28	6.52	609671	606245	1
c - 30	6.85	598868	606245	-1
c - 32	7.16	577682	606245	-5
c - 34	7.46	576944	606245	-5
c - 36	7.77	575858	606245	-5

* One compound allowed %D <= 50%

Samples

17I0175-01
17I0175-03@10X
17I0177-17@10X

D:\HPCHEM\1\DATA\A091317\A0913108.D

CT ETPH DISCRIMINATION CHECK

Date Acquired	9/14/17
Data File Name	A0913108.D
Sample Name	ETPH 1500
Instrument Name	5890DFID

Compound	Ret Time	Target Response	Average Response	*%D +/- 20
c - 9	1.29	553300	590564	-6
c - 10	1.64	561513	590564	-5
c - 12	2.37	575104	590564	-3
c - 14	3.04	585879	590564	-1
c - 16	3.65	600478	590564	2
c - 18	4.29	597328	590564	1
o-Terphenyl	4.57	669326	590564	
c - 20	4.89	609508	590564	3
c - 22	5.40	625539	590564	6
c - 24	5.83	589170	590564	0
c - 26	6.23	623817	590564	6
c - 28	6.59	615149	590564	4
c - 30	6.92	604930	590564	2
c - 32	7.23	579634	590564	-2
c - 34	7.53	572069	590564	-3
c - 36	7.87	565044	590564	-4

* One compound allowed %D </= 50%

Samples

17I0175-08
17I0248-02

REASONABLE CONFIDENCE PROTOCOL
LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name: Con-Test Analytical Laboratory

Client: Weston & Sampson

Project Location: 510 Grand Ave., New Haven, CT

Project Number: 17I0175

Laboratory Sample ID(s):

17I0175-01 thru 17I0175-10

Sample Date(s):

09/05/2017,
09/06/2017

List RCP Methods Used:

CTDEP ETPH, SW-846 8082A

1	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CTDEP method-specific Reasonable Confidence Protocol documents?	☑ Yes ☐ No
1A	Were the method specified preservation and holding time requirements met?	☑ Yes ☐ No
1B	VPH and EPH Methods only: Was the VPH and EPH method conducted without significant modifications (see Section 11.3 of respective RCP methods)?	☐ Yes ☐ No ☑ N/A
2	Were all samples received by the laboratory in a condition consistent with that described on the associated chain-of-custody document(s)?	☑ Yes ☐ No
3	Were samples received at an appropriate temperature (< 6 degrees C.)?	☑ Yes ☐ No ☐ N/A
4	Were all QA/QC performance criteria specified in the CTDEP Reasonable Confidence Protocol documents achieved?	☐ Yes ☑ No
5A	Were reporting limits specified or referenced on the chain-of-custody?	☑ Yes ☐ No
5B	Were these reporting limits met?	☑ Yes ☐ No
6	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	☑ Yes ☐ No
7	Are project-specific matrix spikes and laboratory duplicates included in this data set?	☐ Yes ☑ No

Notes: For all questions to which the response was "No" (with the exception of question #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A, or #1B is "No", the data package does not meet the requirements for "Reasonable Confidence."
This form may not be altered and all questions must be answered.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete.

Authorized Signature: Lisa Worthington **Position:** **Project Manager**

Printed Name: **Lisa A. Worthington** **Date:** **09/19/17**

Name of Laboratory: **Con-Test Analytical Laboratory**

This certification form is to be used for RCP methods only.

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

September 19, 2017

Malcolm Beeler
Weston & Sampson
273 Dividend Road
Rocky Hill, CT 06067

Project Location: 510 Grand Ave., New Haven, CT
Client Job Number:
Project Number: 2170495
Laboratory Work Order Number: 17I0177

Enclosed are results of analyses for samples received by the laboratory on September 6, 2017. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

James M. Georgantas
Project Manager

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Weston & Sampson
273 Dividend Road
Rocky Hill, CT 06067
ATTN: Malcolm Beeler

REPORT DATE: 9/19/2017

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 2170495

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 17I0177

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: 510 Grand Ave., New Haven, CT

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
WS-AOC-12E-S0-49-1	17I0177-01	Soil		SM 2540G	
				SW-846 8082A	
WS-AOC-12E-S0-49-2	17I0177-02	Soil		SM 2540G	
				SW-846 8082A	
WS-AOC-12E-S0-49-3	17I0177-03	Soil		SM 2540G	
				SW-846 8082A	
WS-AOC-12E-S0-37-1	17I0177-04	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 8082A	
WS-AOC-12E-S0-37-2	17I0177-05	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 8082A	
WS-AOC-12E-S0-37-3	17I0177-06	Soil		SM 2540G	
				SW-846 8082A	
WS-AOC-12E-S0-51-1	17I0177-07	Soil		SM 2540G	
				SW-846 8082A	
WS-AOC-12E-S0-51-2	17I0177-08	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 8082A	
WS-AOC-12E-S0-51-3	17I0177-09	Soil		SM 2540G	
				SW-846 8082A	
WS-AOC-12E-S0-39-1	17I0177-10	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 8082A	
WS-AOC-12E-S0-39-2	17I0177-11	Soil		SM 2540G	
				SW-846 8082A	
WS-AOC-12E-S0-39-3	17I0177-12	Soil		SM 2540G	
				SW-846 8082A	
WS-AOC-12E-S0-41-1	17I0177-13	Soil		SM 2540G	
				SW-846 8082A	
WS-AOC-12E-S0-41-2	17I0177-14	Soil		SM 2540G	
				SW-846 8082A	
WS-AOC-12E-S0-41-3	17I0177-15	Soil		SM 2540G	
				SW-846 8082A	
WS-AOC-12E-S0-48-1	17I0177-16	Soil		SM 2540G	
				SW-846 8082A	
WS-AOC-12E-S0-48-2	17I0177-17	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 8082A	
WS-AOC-12E-S0-48-3	17I0177-18	Soil		SM 2540G	
				SW-846 8082A	

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Weston & Sampson
273 Dividend Road
Rocky Hill, CT 06067
ATTN: Malcolm Beeler

REPORT DATE: 9/19/2017

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 2170495

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 17I0177

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: 510 Grand Ave., New Haven, CT

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
WS-AOC-12E-S0-DUP-48	17I0177-19	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 8082A	
WS-AOC-15-S0-2-1	17I0177-20	Soil		SM 2540G	
				SW-846 8082A	

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CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

CTDEP ETPH

Qualifications:

L-07

Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD between the two LFB/LCS results is within method specified criteria.

Analyte & Samples(s) Qualified:

CT ETPH

B186051-BS1

S-01

The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences.

Analyte & Samples(s) Qualified:

o-Terphenyl

17I0177-04[WS-AOC-12E-S0-37-1], 17I0177-10[WS-AOC-12E-S0-39-1]

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

Lisa A. Worthington
Project Manager

con-test® ANALYTICAL LABORATORY

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0177

Date Received: 9/6/2017

Field Sample #: WS-AOC-12E-S0-49-1 Sampled: 9/6/2017 09:29

Sample ID: 17I0177-01

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 11:12	KAL
Aroclor-1221 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 11:12	KAL
Aroclor-1232 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 11:12	KAL
Aroclor-1242 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 11:12	KAL
Aroclor-1248 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 11:12	KAL
Aroclor-1254 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 11:12	KAL
Aroclor-1260 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 11:12	KAL
Aroclor-1262 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 11:12	KAL
Aroclor-1268 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 11:12	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	90.7	30-150		9/18/17 11:12
Decachlorobiphenyl [2]	101	30-150		9/18/17 11:12
Tetrachloro-m-xylene [1]	98.6	30-150		9/18/17 11:12
Tetrachloro-m-xylene [2]	97.7	30-150		9/18/17 11:12

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0177

Date Received: 9/6/2017

Field Sample #: WS-AOC-12E-S0-49-1 Sampled: 9/6/2017 09:29

Sample ID: 17I0177-01

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	87.7		% Wt	1		SM 2540G	9/7/17	9/8/17 8:18	MRL

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0177

Date Received: 9/6/2017

Field Sample #: WS-AOC-12E-S0-49-2 Sampled: 9/6/2017 09:30

Sample ID: 17I0177-02

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 11:24	KAL
Aroclor-1221 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 11:24	KAL
Aroclor-1232 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 11:24	KAL
Aroclor-1242 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 11:24	KAL
Aroclor-1248 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 11:24	KAL
Aroclor-1254 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 11:24	KAL
Aroclor-1260 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 11:24	KAL
Aroclor-1262 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 11:24	KAL
Aroclor-1268 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 11:24	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	81.8	30-150		9/18/17 11:24
Decachlorobiphenyl [2]	92.7	30-150		9/18/17 11:24
Tetrachloro-m-xylene [1]	91.7	30-150		9/18/17 11:24
Tetrachloro-m-xylene [2]	90.8	30-150		9/18/17 11:24

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0177

Date Received: 9/6/2017

Field Sample #: WS-AOC-12E-S0-49-2 Sampled: 9/6/2017 09:30

Sample ID: 17I0177-02

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	89.2		% Wt	1		SM 2540G	9/7/17	9/8/17 8:18	MRL

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0177

Date Received: 9/6/2017

Field Sample #: WS-AOC-12E-S0-49-3 Sampled: 9/6/2017 09:31

Sample ID: 17I0177-03

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 11:37	KAL
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 11:37	KAL
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 11:37	KAL
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 11:37	KAL
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 11:37	KAL
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 11:37	KAL
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 11:37	KAL
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 11:37	KAL
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 11:37	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	82.9	30-150		9/18/17 11:37
Decachlorobiphenyl [2]	115	30-150		9/18/17 11:37
Tetrachloro-m-xylene [1]	86.4	30-150		9/18/17 11:37
Tetrachloro-m-xylene [2]	83.6	30-150		9/18/17 11:37

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0177

Date Received: 9/6/2017

Field Sample #: WS-AOC-12E-S0-49-3 Sampled: 9/6/2017 09:31

Sample ID: 17I0177-03

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	70.7		% Wt	1		SM 2540G	9/7/17	9/8/17 8:18	MRL

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0177

Date Received: 9/6/2017

Field Sample #: WS-AOC-12E-S0-37-1 Sampled: 9/6/2017 09:53

Sample ID: 17I0177-04

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 11:49	KAL
Aroclor-1221 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 11:49	KAL
Aroclor-1232 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 11:49	KAL
Aroclor-1242 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 11:49	KAL
Aroclor-1248 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 11:49	KAL
Aroclor-1254 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 11:49	KAL
Aroclor-1260 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 11:49	KAL
Aroclor-1262 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 11:49	KAL
Aroclor-1268 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 11:49	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	85.5	30-150		9/18/17 11:49
Decachlorobiphenyl [2]	100	30-150		9/18/17 11:49
Tetrachloro-m-xylene [1]	95.6	30-150		9/18/17 11:49
Tetrachloro-m-xylene [2]	94.7	30-150		9/18/17 11:49

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0177

Date Received: 9/6/2017

Field Sample #: WS-AOC-12E-S0-37-1 Sampled: 9/6/2017 09:53

Sample ID: 17I0177-04

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	1100	230	mg/Kg dry	20		CTDEP ETPH	9/12/17	9/14/17 20:03	SCS

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
o-Terphenyl	*	50-150	S-01	9/14/17 20:03

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0177

Date Received: 9/6/2017

Field Sample #: WS-AOC-12E-S0-37-1 Sampled: 9/6/2017 09:53

Sample ID: 17I0177-04

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	86.6		% Wt	1		SM 2540G	9/7/17	9/8/17 8:18	MRL

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0177

Date Received: 9/6/2017

Field Sample #: WS-AOC-12E-S0-37-2 Sampled: 9/6/2017 09:54

Sample ID: 17I0177-05

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 12:01	KAL
Aroclor-1221 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 12:01	KAL
Aroclor-1232 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 12:01	KAL
Aroclor-1242 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 12:01	KAL
Aroclor-1248 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 12:01	KAL
Aroclor-1254 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 12:01	KAL
Aroclor-1260 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 12:01	KAL
Aroclor-1262 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 12:01	KAL
Aroclor-1268 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 12:01	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	80.8	30-150		9/18/17 12:01
Decachlorobiphenyl [2]	95.7	30-150		9/18/17 12:01
Tetrachloro-m-xylene [1]	88.8	30-150		9/18/17 12:01
Tetrachloro-m-xylene [2]	85.1	30-150		9/18/17 12:01

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0177

Date Received: 9/6/2017

Field Sample #: WS-AOC-12E-S0-37-2 Sampled: 9/6/2017 09:54

Sample ID: 17I0177-05

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	150	62	mg/Kg dry	5		CTDEP ETPH	9/12/17	9/14/17 18:51	SCS

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
o-Terphenyl	58.2	50-150		9/14/17 18:51

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0177

Date Received: 9/6/2017

Field Sample #: WS-AOC-12E-S0-37-2 Sampled: 9/6/2017 09:54

Sample ID: 17I0177-05

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	80.1		% Wt	1		SM 2540G	9/7/17	9/8/17 8:18	MRL

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0177

Date Received: 9/6/2017

Field Sample #: WS-AOC-12E-S0-37-3 Sampled: 9/6/2017 10:15

Sample ID: 17I0177-06

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 12:13	KAL
Aroclor-1221 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 12:13	KAL
Aroclor-1232 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 12:13	KAL
Aroclor-1242 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 12:13	KAL
Aroclor-1248 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 12:13	KAL
Aroclor-1254 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 12:13	KAL
Aroclor-1260 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 12:13	KAL
Aroclor-1262 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 12:13	KAL
Aroclor-1268 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 12:13	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	84.8	30-150		9/18/17 12:13
Decachlorobiphenyl [2]	94.6	30-150		9/18/17 12:13
Tetrachloro-m-xylene [1]	100	30-150		9/18/17 12:13
Tetrachloro-m-xylene [2]	96.9	30-150		9/18/17 12:13

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0177

Date Received: 9/6/2017

Field Sample #: WS-AOC-12E-S0-37-3 Sampled: 9/6/2017 10:15

Sample ID: 17I0177-06

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	83.7		% Wt	1		SM 2540G	9/7/17	9/8/17 8:18	MRL

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0177

Date Received: 9/6/2017

Field Sample #: WS-AOC-12E-S0-51-1 Sampled: 9/6/2017 10:49

Sample ID: 17I0177-07

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 12:25	KAL
Aroclor-1221 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 12:25	KAL
Aroclor-1232 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 12:25	KAL
Aroclor-1242 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 12:25	KAL
Aroclor-1248 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 12:25	KAL
Aroclor-1254 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 12:25	KAL
Aroclor-1260 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 12:25	KAL
Aroclor-1262 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 12:25	KAL
Aroclor-1268 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 12:25	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	87.3	30-150		9/18/17 12:25
Decachlorobiphenyl [2]	96.2	30-150		9/18/17 12:25
Tetrachloro-m-xylene [1]	99.8	30-150		9/18/17 12:25
Tetrachloro-m-xylene [2]	98.8	30-150		9/18/17 12:25

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0177

Date Received: 9/6/2017

Field Sample #: WS-AOC-12E-S0-51-1 Sampled: 9/6/2017 10:49

Sample ID: 17I0177-07

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	90.9		% Wt	1		SM 2540G	9/7/17	9/8/17 8:18	MRL

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0177

Date Received: 9/6/2017

Field Sample #: WS-AOC-12E-S0-51-2 Sampled: 9/6/2017 10:50

Sample ID: 17I0177-08

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 12:37	KAL
Aroclor-1221 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 12:37	KAL
Aroclor-1232 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 12:37	KAL
Aroclor-1242 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 12:37	KAL
Aroclor-1248 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 12:37	KAL
Aroclor-1254 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 12:37	KAL
Aroclor-1260 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 12:37	KAL
Aroclor-1262 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 12:37	KAL
Aroclor-1268 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 12:37	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	79.3	30-150		9/18/17 12:37
Decachlorobiphenyl [2]	91.6	30-150		9/18/17 12:37
Tetrachloro-m-xylene [1]	92.9	30-150		9/18/17 12:37
Tetrachloro-m-xylene [2]	90.1	30-150		9/18/17 12:37

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0177

Date Received: 9/6/2017

Field Sample #: WS-AOC-12E-S0-51-2 Sampled: 9/6/2017 10:50

Sample ID: 17I0177-08

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	110	59	mg/Kg dry	5		CTDEP ETPH	9/12/17	9/14/17 19:09	SCS

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
o-Terphenyl	59.3	50-150		9/14/17 19:09

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0177

Date Received: 9/6/2017

Field Sample #: WS-AOC-12E-S0-51-2 Sampled: 9/6/2017 10:50

Sample ID: 17I0177-08

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	84.7		% Wt	1		SM 2540G	9/7/17	9/8/17 8:18	MRL

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0177

Date Received: 9/6/2017

Field Sample #: WS-AOC-12E-S0-51-3 Sampled: 9/6/2017 10:51

Sample ID: 17I0177-09

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 12:50	KAL
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 12:50	KAL
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 12:50	KAL
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 12:50	KAL
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 12:50	KAL
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 12:50	KAL
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 12:50	KAL
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 12:50	KAL
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 12:50	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	80.5	30-150		9/18/17 12:50
Decachlorobiphenyl [2]	98.5	30-150		9/18/17 12:50
Tetrachloro-m-xylene [1]	93.9	30-150		9/18/17 12:50
Tetrachloro-m-xylene [2]	89.1	30-150		9/18/17 12:50

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0177

Date Received: 9/6/2017

Field Sample #: WS-AOC-12E-S0-51-3 Sampled: 9/6/2017 10:51

Sample ID: 17I0177-09

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	74.7		% Wt	1		SM 2540G	9/7/17	9/8/17 8:18	MRL

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0177

Date Received: 9/6/2017

Field Sample #: WS-AOC-12E-S0-39-1 Sampled: 9/6/2017 10:45

Sample ID: 17I0177-10

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 13:48	KAL
Aroclor-1221 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 13:48	KAL
Aroclor-1232 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 13:48	KAL
Aroclor-1242 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 13:48	KAL
Aroclor-1248 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 13:48	KAL
Aroclor-1254 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 13:48	KAL
Aroclor-1260 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 13:48	KAL
Aroclor-1262 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 13:48	KAL
Aroclor-1268 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 13:48	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	78.6	30-150		9/18/17 13:48
Decachlorobiphenyl [2]	91.3	30-150		9/18/17 13:48
Tetrachloro-m-xylene [1]	94.0	30-150		9/18/17 13:48
Tetrachloro-m-xylene [2]	93.5	30-150		9/18/17 13:48

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0177

Date Received: 9/6/2017

Field Sample #: WS-AOC-12E-S0-39-1 Sampled: 9/6/2017 10:45

Sample ID: 17I0177-10

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	690	210	mg/Kg dry	20		CTDEP ETPH	9/12/17	9/14/17 19:27	SCS

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
o-Terphenyl	*	50-150	S-01	9/14/17 19:27

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0177

Date Received: 9/6/2017

Field Sample #: WS-AOC-12E-S0-39-1 Sampled: 9/6/2017 10:45

Sample ID: 17I0177-10

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	93.5		% Wt	1		SM 2540G	9/7/17	9/8/17 8:18	MRL

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0177

Date Received: 9/6/2017

Field Sample #: WS-AOC-12E-S0-39-2 Sampled: 9/6/2017 10:46

Sample ID: 17I0177-11

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 14:01	KAL
Aroclor-1221 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 14:01	KAL
Aroclor-1232 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 14:01	KAL
Aroclor-1242 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 14:01	KAL
Aroclor-1248 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 14:01	KAL
Aroclor-1254 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 14:01	KAL
Aroclor-1260 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 14:01	KAL
Aroclor-1262 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 14:01	KAL
Aroclor-1268 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 14:01	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	72.3	30-150		9/18/17 14:01
Decachlorobiphenyl [2]	85.4	30-150		9/18/17 14:01
Tetrachloro-m-xylene [1]	90.6	30-150		9/18/17 14:01
Tetrachloro-m-xylene [2]	96.1	30-150		9/18/17 14:01

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0177

Date Received: 9/6/2017

Field Sample #: WS-AOC-12E-S0-39-2 Sampled: 9/6/2017 10:46

Sample ID: 17I0177-11

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	89.2		% Wt	1		SM 2540G	9/7/17	9/8/17 8:18	MRL

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0177

Date Received: 9/6/2017

Field Sample #: WS-AOC-12E-S0-39-3 Sampled: 9/6/2017 10:47

Sample ID: 17I0177-12

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 14:13	KAL
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 14:13	KAL
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 14:13	KAL
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 14:13	KAL
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 14:13	KAL
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 14:13	KAL
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 14:13	KAL
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 14:13	KAL
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 14:13	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	69.1	30-150		9/18/17 14:13
Decachlorobiphenyl [2]	102	30-150		9/18/17 14:13
Tetrachloro-m-xylene [1]	83.8	30-150		9/18/17 14:13
Tetrachloro-m-xylene [2]	82.3	30-150		9/18/17 14:13

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0177

Date Received: 9/6/2017

Field Sample #: WS-AOC-12E-S0-39-3 Sampled: 9/6/2017 10:47

Sample ID: 17I0177-12

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	73.3		% Wt	1		SM 2540G	9/7/17	9/8/17 8:18	MRL

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0177

Date Received: 9/6/2017

Field Sample #: WS-AOC-12E-S0-41-1 Sampled: 9/6/2017 11:07

Sample ID: 17I0177-13

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 14:25	KAL
Aroclor-1221 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 14:25	KAL
Aroclor-1232 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 14:25	KAL
Aroclor-1242 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 14:25	KAL
Aroclor-1248 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 14:25	KAL
Aroclor-1254 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 14:25	KAL
Aroclor-1260 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 14:25	KAL
Aroclor-1262 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 14:25	KAL
Aroclor-1268 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 14:25	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	72.4	30-150		9/18/17 14:25
Decachlorobiphenyl [2]	85.5	30-150		9/18/17 14:25
Tetrachloro-m-xylene [1]	87.4	30-150		9/18/17 14:25
Tetrachloro-m-xylene [2]	88.6	30-150		9/18/17 14:25

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0177

Date Received: 9/6/2017

Field Sample #: WS-AOC-12E-S0-41-1 Sampled: 9/6/2017 11:07

Sample ID: 17I0177-13

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	88.8		% Wt	1		SM 2540G	9/7/17	9/8/17 8:18	MRL

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0177

Date Received: 9/6/2017

Field Sample #: WS-AOC-12E-S0-41-2 Sampled: 9/6/2017 11:08

Sample ID: 17I0177-14

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 14:37	KAL
Aroclor-1221 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 14:37	KAL
Aroclor-1232 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 14:37	KAL
Aroclor-1242 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 14:37	KAL
Aroclor-1248 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 14:37	KAL
Aroclor-1254 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 14:37	KAL
Aroclor-1260 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 14:37	KAL
Aroclor-1262 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 14:37	KAL
Aroclor-1268 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 14:37	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	57.7	30-150		9/18/17 14:37
Decachlorobiphenyl [2]	71.5	30-150		9/18/17 14:37
Tetrachloro-m-xylene [1]	80.0	30-150		9/18/17 14:37
Tetrachloro-m-xylene [2]	82.8	30-150		9/18/17 14:37

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0177

Date Received: 9/6/2017

Field Sample #: WS-AOC-12E-S0-41-2 Sampled: 9/6/2017 11:08

Sample ID: 17I0177-14

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	88.9		% Wt	1		SM 2540G	9/7/17	9/8/17 8:18	MRL

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0177

Date Received: 9/6/2017

Field Sample #: WS-AOC-12E-S0-41-3 Sampled: 9/6/2017 11:09

Sample ID: 17I0177-15

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 14:49	KAL
Aroclor-1221 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 14:49	KAL
Aroclor-1232 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 14:49	KAL
Aroclor-1242 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 14:49	KAL
Aroclor-1248 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 14:49	KAL
Aroclor-1254 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 14:49	KAL
Aroclor-1260 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 14:49	KAL
Aroclor-1262 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 14:49	KAL
Aroclor-1268 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 14:49	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	66.0	30-150		9/18/17 14:49
Decachlorobiphenyl [2]	79.7	30-150		9/18/17 14:49
Tetrachloro-m-xylene [1]	91.7	30-150		9/18/17 14:49
Tetrachloro-m-xylene [2]	89.7	30-150		9/18/17 14:49

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0177

Date Received: 9/6/2017

Field Sample #: WS-AOC-12E-S0-41-3 Sampled: 9/6/2017 11:09

Sample ID: 17I0177-15

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	78.3		% Wt	1		SM 2540G	9/7/17	9/8/17 8:18	MRL

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0177

Date Received: 9/6/2017

Field Sample #: WS-AOC-12E-S0-48-1 Sampled: 9/6/2017 11:00

Sample ID: 17I0177-16

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 15:02	KAL
Aroclor-1221 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 15:02	KAL
Aroclor-1232 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 15:02	KAL
Aroclor-1242 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 15:02	KAL
Aroclor-1248 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 15:02	KAL
Aroclor-1254 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 15:02	KAL
Aroclor-1260 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 15:02	KAL
Aroclor-1262 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 15:02	KAL
Aroclor-1268 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 15:02	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	77.4	30-150		9/18/17 15:02
Decachlorobiphenyl [2]	90.3	30-150		9/18/17 15:02
Tetrachloro-m-xylene [1]	102	30-150		9/18/17 15:02
Tetrachloro-m-xylene [2]	102	30-150		9/18/17 15:02

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0177

Date Received: 9/6/2017

Field Sample #: WS-AOC-12E-S0-48-1 Sampled: 9/6/2017 11:00

Sample ID: 17I0177-16

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	94.8		% Wt	1		SM 2540G	9/7/17	9/8/17 8:18	MRL

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0177

Date Received: 9/6/2017

Field Sample #: WS-AOC-12E-S0-48-2 Sampled: 9/6/2017 11:01

Sample ID: 17I0177-17

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 15:14	KAL
Aroclor-1221 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 15:14	KAL
Aroclor-1232 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 15:14	KAL
Aroclor-1242 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 15:14	KAL
Aroclor-1248 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 15:14	KAL
Aroclor-1254 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 15:14	KAL
Aroclor-1260 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 15:14	KAL
Aroclor-1262 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 15:14	KAL
Aroclor-1268 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 15:14	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	73.9	30-150		9/18/17 15:14
Decachlorobiphenyl [2]	97.4	30-150		9/18/17 15:14
Tetrachloro-m-xylene [1]	97.9	30-150		9/18/17 15:14
Tetrachloro-m-xylene [2]	96.3	30-150		9/18/17 15:14

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0177

Date Received: 9/6/2017

Field Sample #: WS-AOC-12E-S0-48-2 Sampled: 9/6/2017 11:01

Sample ID: 17I0177-17

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	360	120	mg/Kg dry	10		CTDEP ETPH	9/12/17	9/13/17 19:52	SCS

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
o-Terphenyl	57.3	50-150		9/13/17 19:52

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0177

Date Received: 9/6/2017

Field Sample #: WS-AOC-12E-S0-48-2 Sampled: 9/6/2017 11:01

Sample ID: 17I0177-17

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	83.7		% Wt	1		SM 2540G	9/7/17	9/8/17 8:18	MRL

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0177

Date Received: 9/6/2017

Field Sample #: WS-AOC-12E-S0-48-3 Sampled: 9/6/2017 11:02

Sample ID: 17I0177-18

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.098	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 15:26	KAL
Aroclor-1221 [1]	ND	0.098	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 15:26	KAL
Aroclor-1232 [1]	ND	0.098	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 15:26	KAL
Aroclor-1242 [1]	ND	0.098	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 15:26	KAL
Aroclor-1248 [1]	ND	0.098	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 15:26	KAL
Aroclor-1254 [1]	ND	0.098	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 15:26	KAL
Aroclor-1260 [1]	ND	0.098	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 15:26	KAL
Aroclor-1262 [1]	ND	0.098	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 15:26	KAL
Aroclor-1268 [1]	ND	0.098	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 15:26	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	69.3	30-150		9/18/17 15:26
Decachlorobiphenyl [2]	86.8	30-150		9/18/17 15:26
Tetrachloro-m-xylene [1]	92.6	30-150		9/18/17 15:26
Tetrachloro-m-xylene [2]	89.0	30-150		9/18/17 15:26

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0177

Date Received: 9/6/2017

Field Sample #: WS-AOC-12E-S0-48-3 Sampled: 9/6/2017 11:02

Sample ID: 17I0177-18

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	81.4		% Wt	1		SM 2540G	9/7/17	9/8/17 8:18	MRL

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0177

Date Received: 9/6/2017

Field Sample #: WS-AOC-12E-S0-DUP-48 Sampled: 9/6/2017 00:00

Sample ID: 17I0177-19

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.097	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 15:38	KAL
Aroclor-1221 [1]	ND	0.097	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 15:38	KAL
Aroclor-1232 [1]	ND	0.097	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 15:38	KAL
Aroclor-1242 [1]	ND	0.097	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 15:38	KAL
Aroclor-1248 [1]	ND	0.097	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 15:38	KAL
Aroclor-1254 [1]	ND	0.097	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 15:38	KAL
Aroclor-1260 [1]	ND	0.097	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 15:38	KAL
Aroclor-1262 [1]	ND	0.097	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 15:38	KAL
Aroclor-1268 [1]	ND	0.097	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 15:38	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	66.0	30-150		9/18/17 15:38
Decachlorobiphenyl [2]	77.7	30-150		9/18/17 15:38
Tetrachloro-m-xylene [1]	85.8	30-150		9/18/17 15:38
Tetrachloro-m-xylene [2]	82.1	30-150		9/18/17 15:38

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0177

Date Received: 9/6/2017

Field Sample #: WS-AOC-12E-S0-DUP-48 Sampled: 9/6/2017 00:00

Sample ID: 17I0177-19

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	260	120	mg/Kg dry	10		CTDEP ETPH	9/12/17	9/14/17 19:45	SCS

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
o-Terphenyl	67.4	50-150		9/14/17 19:45

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0177

Date Received: 9/6/2017

Field Sample #: WS-AOC-12E-S0-DUP-48 Sampled: 9/6/2017 00:00

Sample ID: 17I0177-19

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	82.2		% Wt	1		SM 2540G	9/7/17	9/8/17 8:18	MRL

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0177

Date Received: 9/6/2017

Field Sample #: WS-AOC-15-S0-2-1 Sampled: 9/6/2017 13:22

Sample ID: 17I0177-20

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 15:50	KAL
Aroclor-1221 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 15:50	KAL
Aroclor-1232 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 15:50	KAL
Aroclor-1242 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 15:50	KAL
Aroclor-1248 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 15:50	KAL
Aroclor-1254 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 15:50	KAL
Aroclor-1260 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 15:50	KAL
Aroclor-1262 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 15:50	KAL
Aroclor-1268 [2]	0.15	0.086	mg/Kg dry	4		SW-846 8082A	9/11/17	9/18/17 15:50	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	77.5	30-150		9/18/17 15:50
Decachlorobiphenyl [2]	92.5	30-150		9/18/17 15:50
Tetrachloro-m-xylene [1]	90.0	30-150		9/18/17 15:50
Tetrachloro-m-xylene [2]	92.5	30-150		9/18/17 15:50

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0177

Date Received: 9/6/2017

Field Sample #: WS-AOC-15-S0-2-1 Sampled: 9/6/2017 13:22

Sample ID: 17I0177-20

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	93.3		% Wt	1		SM 2540G	9/7/17	9/8/17 8:18	MRL

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Sample Extraction Data

Prep Method: SW-846 3546-CTDEP ETPH

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17I0177-04 [WS-AOC-12E-S0-37-1]	B186051	30.0	1.00	09/12/17
17I0177-05 [WS-AOC-12E-S0-37-2]	B186051	30.0	1.00	09/12/17
17I0177-08 [WS-AOC-12E-S0-51-2]	B186051	30.0	1.00	09/12/17
17I0177-10 [WS-AOC-12E-S0-39-1]	B186051	30.0	1.00	09/12/17
17I0177-17 [WS-AOC-12E-S0-48-2]	B186051	30.0	1.00	09/12/17
17I0177-19 [WS-AOC-12E-S0-DUP-48]	B186051	30.0	1.00	09/12/17

Prep Method: % Solids-SM 2540G

Lab Number [Field ID]	Batch	Date
17I0177-01 [WS-AOC-12E-S0-49-1]	B185740	09/07/17
17I0177-02 [WS-AOC-12E-S0-49-2]	B185740	09/07/17
17I0177-03 [WS-AOC-12E-S0-49-3]	B185740	09/07/17
17I0177-04 [WS-AOC-12E-S0-37-1]	B185740	09/07/17
17I0177-05 [WS-AOC-12E-S0-37-2]	B185740	09/07/17
17I0177-06 [WS-AOC-12E-S0-37-3]	B185740	09/07/17
17I0177-07 [WS-AOC-12E-S0-51-1]	B185740	09/07/17
17I0177-08 [WS-AOC-12E-S0-51-2]	B185740	09/07/17
17I0177-09 [WS-AOC-12E-S0-51-3]	B185740	09/07/17
17I0177-10 [WS-AOC-12E-S0-39-1]	B185740	09/07/17
17I0177-11 [WS-AOC-12E-S0-39-2]	B185740	09/07/17
17I0177-12 [WS-AOC-12E-S0-39-3]	B185740	09/07/17
17I0177-13 [WS-AOC-12E-S0-41-1]	B185740	09/07/17
17I0177-14 [WS-AOC-12E-S0-41-2]	B185740	09/07/17
17I0177-15 [WS-AOC-12E-S0-41-3]	B185740	09/07/17
17I0177-16 [WS-AOC-12E-S0-48-1]	B185740	09/07/17
17I0177-17 [WS-AOC-12E-S0-48-2]	B185740	09/07/17
17I0177-18 [WS-AOC-12E-S0-48-3]	B185740	09/07/17
17I0177-19 [WS-AOC-12E-S0-DUP-48]	B185740	09/07/17
17I0177-20 [WS-AOC-15-S0-2-1]	B185740	09/07/17

Prep Method: SW-846 3540C-SW-846 8082A

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17I0177-01 [WS-AOC-12E-S0-49-1]	B185967	10.0	10.0	09/11/17
17I0177-02 [WS-AOC-12E-S0-49-2]	B185967	10.0	10.0	09/11/17
17I0177-03 [WS-AOC-12E-S0-49-3]	B185967	10.0	10.0	09/11/17
17I0177-04 [WS-AOC-12E-S0-37-1]	B185967	10.0	10.0	09/11/17
17I0177-05 [WS-AOC-12E-S0-37-2]	B185967	10.0	10.0	09/11/17
17I0177-06 [WS-AOC-12E-S0-37-3]	B185967	10.0	10.0	09/11/17
17I0177-07 [WS-AOC-12E-S0-51-1]	B185967	10.0	10.0	09/11/17
17I0177-08 [WS-AOC-12E-S0-51-2]	B185967	10.0	10.0	09/11/17
17I0177-09 [WS-AOC-12E-S0-51-3]	B185967	10.0	10.0	09/11/17
17I0177-10 [WS-AOC-12E-S0-39-1]	B185967	10.0	10.0	09/11/17
17I0177-11 [WS-AOC-12E-S0-39-2]	B185967	10.0	10.0	09/11/17
17I0177-12 [WS-AOC-12E-S0-39-3]	B185967	10.0	10.0	09/11/17
17I0177-13 [WS-AOC-12E-S0-41-1]	B185967	10.0	10.0	09/11/17
17I0177-14 [WS-AOC-12E-S0-41-2]	B185967	10.0	10.0	09/11/17
17I0177-15 [WS-AOC-12E-S0-41-3]	B185967	10.0	10.0	09/11/17
17I0177-16 [WS-AOC-12E-S0-48-1]	B185967	10.0	10.0	09/11/17
17I0177-17 [WS-AOC-12E-S0-48-2]	B185967	10.0	10.0	09/11/17
17I0177-18 [WS-AOC-12E-S0-48-3]	B185967	10.0	10.0	09/11/17
17I0177-19 [WS-AOC-12E-S0-DUP-48]	B185967	10.0	10.0	09/11/17

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Sample Extraction Data

Prep Method: SW-846 3540C-SW-846 8082A

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17I0177-20 [WS-AOC-15-S0-2-1]	B185967	10.0	10.0	09/11/17

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QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B185967 - SW-846 3540C										
Blank (B185967-BLK1)				Prepared: 09/11/17 Analyzed: 09/18/17						
Aroclor-1016	ND	0.020	mg/Kg wet							
Aroclor-1016 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1221	ND	0.020	mg/Kg wet							
Aroclor-1221 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1232	ND	0.020	mg/Kg wet							
Aroclor-1232 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1242	ND	0.020	mg/Kg wet							
Aroclor-1242 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1248	ND	0.020	mg/Kg wet							
Aroclor-1248 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1254	ND	0.020	mg/Kg wet							
Aroclor-1254 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1260	ND	0.020	mg/Kg wet							
Aroclor-1260 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1262	ND	0.020	mg/Kg wet							
Aroclor-1262 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1268	ND	0.020	mg/Kg wet							
Aroclor-1268 [2C]	ND	0.020	mg/Kg wet							
Surrogate: Decachlorobiphenyl	*0.180*		mg/Kg wet	0.200		89.8	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.199*		mg/Kg wet	0.200		99.7	30-150			
Surrogate: Tetrachloro-m-xylene	*0.179*		mg/Kg wet	0.200		89.3	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.179*		mg/Kg wet	0.200		89.3	30-150			
LCS (B185967-BS1)				Prepared: 09/11/17 Analyzed: 09/18/17						
Aroclor-1016	0.18	0.020	mg/Kg wet	0.200		87.6	40-140			
Aroclor-1016 [2C]	0.19	0.020	mg/Kg wet	0.200		94.9	40-140			
Aroclor-1260	0.16	0.020	mg/Kg wet	0.200		82.2	40-140			
Aroclor-1260 [2C]	0.16	0.020	mg/Kg wet	0.200		82.3	40-140			
Surrogate: Decachlorobiphenyl	*0.180*		mg/Kg wet	0.200		89.8	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.200*		mg/Kg wet	0.200		100	30-150			
Surrogate: Tetrachloro-m-xylene	*0.178*		mg/Kg wet	0.200		89.0	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.177*		mg/Kg wet	0.200		88.7	30-150			
LCS Dup (B185967-BSD1)				Prepared: 09/11/17 Analyzed: 09/18/17						
Aroclor-1016	0.17	0.020	mg/Kg wet	0.200		87.4	40-140	0.207	30	
Aroclor-1016 [2C]	0.19	0.020	mg/Kg wet	0.200		93.1	40-140	1.96	30	
Aroclor-1260	0.16	0.020	mg/Kg wet	0.200		80.2	40-140	2.49	30	
Aroclor-1260 [2C]	0.16	0.020	mg/Kg wet	0.200		80.9	40-140	1.79	30	
Surrogate: Decachlorobiphenyl	*0.172*		mg/Kg wet	0.200		86.2	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.193*		mg/Kg wet	0.200		96.7	30-150			
Surrogate: Tetrachloro-m-xylene	*0.176*		mg/Kg wet	0.200		88.1	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.176*		mg/Kg wet	0.200		88.2	30-150			

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QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B185967 - SW-846 3540C										
Matrix Spike (B185967-MS1)		**Source: 17I0177-12**		Prepared: 09/11/17 Analyzed: 09/18/17						
Aroclor-1016	0.19	0.11	mg/Kg dry	0.273	ND	71.0	40-140			
Aroclor-1016 [2C]	0.22	0.11	mg/Kg dry	0.273	ND	81.4	40-140			
Aroclor-1260	0.15	0.11	mg/Kg dry	0.273	ND	55.7	40-140			
Aroclor-1260 [2C]	0.17	0.11	mg/Kg dry	0.273	ND	63.1	40-140			
Surrogate: Decachlorobiphenyl	*0.192*		mg/Kg dry	0.273		70.5	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.398*		mg/Kg dry	0.273		146	30-150			
Surrogate: Tetrachloro-m-xylene	*0.213*		mg/Kg dry	0.273		78.0	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.226*		mg/Kg dry	0.273		82.9	30-150			
Matrix Spike Dup (B185967-MSD1)		**Source: 17I0177-12**		Prepared: 09/11/17 Analyzed: 09/18/17						
Aroclor-1016	0.17	0.11	mg/Kg dry	0.273	ND	61.9	40-140	13.6	50	
Aroclor-1016 [2C]	0.21	0.11	mg/Kg dry	0.273	ND	77.5	40-140	4.95	50	
Aroclor-1260	0.15	0.11	mg/Kg dry	0.273	ND	56.7	40-140	1.85	50	
Aroclor-1260 [2C]	0.18	0.11	mg/Kg dry	0.273	ND	65.1	40-140	3.16	50	
Surrogate: Decachlorobiphenyl	*0.188*		mg/Kg dry	0.273		68.9	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.269*		mg/Kg dry	0.273		98.7	30-150			
Surrogate: Tetrachloro-m-xylene	*0.226*		mg/Kg dry	0.273		82.9	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.227*		mg/Kg dry	0.273		83.3	30-150			

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QUALITY CONTROL

Petroleum Hydrocarbons Analyses - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes
Batch B186051 - SW-846 3546											
Blank (B186051-BLK1)				Prepared: 09/12/17 Analyzed: 09/13/17							
CT ETPH	ND	10	mg/Kg wet								
Surrogate: o-Terphenyl	*2.76*		mg/Kg wet	3.33		82.8		50-150			
LCS (B186051-BS1)				Prepared: 09/12/17 Analyzed: 09/13/17							
CT ETPH	19.8	10	mg/Kg wet	33.3		**59.3**	*	60-120			L-07
Surrogate: o-Terphenyl	*2.36*		mg/Kg wet	3.33		70.8		50-150			
LCS Dup (B186051-BSD1)				Prepared: 09/12/17 Analyzed: 09/13/17							
CT ETPH	22.6	10	mg/Kg wet	33.3		67.8		60-120	13.3	30	
Surrogate: o-Terphenyl	*2.53*		mg/Kg wet	3.33		75.8		50-150			

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QUALITY CONTROL

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B185740 - % Solids										
Duplicate (B185740-DUP1)		**Source: 17I0177-11**		Prepared: 09/07/17 Analyzed: 09/08/17						
% Solids	90.7		% Wt		89.2			1.67	20	
Duplicate (B185740-DUP2)		**Source: 17I0177-12**		Prepared: 09/07/17 Analyzed: 09/08/17						
% Solids	76.7		% Wt		73.3			4.53	20	

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC-15-S0-2-1

Lab Sample ID: 17I0177-20

Date(s) Analyzed: 09/18/2017 09/18/2017

Instrument ID (1):

Instrument ID (2):

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1268	1	0.000	-0.030	0.030	0.13	
	2	0.000	-0.030	0.030	0.15	14.3

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit
DL	Method Detection Limit
MCL	Maximum Contaminant Level

Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.

No results have been blank subtracted unless specified in the case narrative section.

L-07	Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD between the two LFB/LCS results is within method specified criteria.
S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences.

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
CTDEP ETPH in Soil	
CT ETPH	CT
SW-846 8082A in Soil	
Aroclor-1016	CT,NH,NY,ME,NC,VA
Aroclor-1016 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1221	CT,NH,NY,ME,NC,VA
Aroclor-1221 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1232	CT,NH,NY,ME,NC,VA
Aroclor-1232 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1242	CT,NH,NY,ME,NC,VA
Aroclor-1242 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1248	CT,NH,NY,ME,NC,VA
Aroclor-1248 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1254	CT,NH,NY,ME,NC,VA
Aroclor-1254 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1260	CT,NH,NY,ME,NC,VA
Aroclor-1260 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1262	NY,NC,VA
Aroclor-1262 [2C]	NY,NC,VA
Aroclor-1268	NY,NC,VA
Aroclor-1268 [2C]	NY,NC,VA

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2005	100033	02/1/2018
MA	Massachusetts DEP	M-MA100	06/30/2018
CT	Connecticut Department of Publilc Health	PH-0567	09/30/2017
NY	New York State Department of Health	10899 NELAP	04/1/2018
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2018
RI	Rhode Island Department of Health	LAO00112	12/30/2017
NC	North Carolina Div. of Water Quality	652	12/31/2017
NJ	New Jersey DEP	MA007 NELAP	06/30/2018
FL	Florida Department of Health	E871027 NELAP	06/30/2018
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2018
ME	State of Maine	2011028	06/9/2019
VA	Commonwealth of Virginia	460217	12/14/2017
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2017
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2018
NC-DW	North Carolina Department of Health	25703	07/31/2018

3 large blue

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Doc # 381 Rev 0 5 8 2015

CHAIN OF CUSTODY RECORD 17E0177

39 Spruce Street
East Longmeadow, MA 01028

Page _____ of _____

Company Name:	Weston & Sampson Engineers
Address:	273 Dividend Rd Rcoky Hill, CT
Phone:	860 513-1473
Project Name:	English Station
Project Location:	510 Grand Ave, New Haven, CT
Project Number:	2170495
Project Manager:	Malcolm Beeler
Con-Test Bid:	
Invoice Recipient:	Malcolm Beeler (Weston & Sampson)
Sampled By:	Chris Berthiaume/Will Sirotnak

Requested Turnaround Time
7-Day ☑ 10-Day ☐
Other: 5-day ☐

Rush-Approval Required
1-Day ☐ 3-Day ☐
2-Day ☐ 4-Day ☐

Data Delivery
Format: PDF ☑ EXCEL ☑
Other:
Enhanced Data Package Required: ☐
Email To: beelerm@wseinc.com
Fax To #:

ANALYSIS REQUESTED

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	[1]Matrix Code	Conc Code	Pb, Source	EPH										
								1											# of Containers
								H											[2] Preservation Code
								A											[3] Container Code
1	WS-ADC-12E#49-1	9/6/17	9:29		X	S	U	X											
2	WS-ADC-12E#49-2	9/6/17	9:30		X	S	U	X											
3	WS-ADC-12E#49-3	9/6/17	9:31		X	S	U	X											
4	WS-ADC-12E#37-1	9/6/17	9:53		X	S	U	X	X										
5	WS-ADC-12E#37-2	9/6/17	9:54		X	S	U	X	X										
6	WS-ADC-12E#37-3	9/6/17	1015		X	S	U	X											
7	WS-ADC-12E#51-1	9/6/17	1049		X	S	U	X											
8	WS-ADC-12E#51-2	9/6/17	1050		X	S	U	X	X										
9	WS-ADC-12E#51-3	9/6/17	1051		X	S	U	X											
10	WS-ADC-12E#39-1	9/6/17	1045		X	S	U	X	X										

Comments:

Please hold excess volumes for possible SPLP analyses.

Please use the following codes to indicate possible sample concentration within the Conc Code column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Dissolved Metals Samples
○ Field Filtered
○ Lab to Filter

Orthophosphate Samples
○ Field Filtered
○ Lab to Filter

[1] **Matrix Codes:**
GW = Ground Water
WW = Waste Water
DW = Drinking Water
A = Air
S = Soil/Solid
SL = Sludge
O = Other (please define) _____

[2] **Preservation Codes:**
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium Bisulfate
X = Sodium Hydroxide
T = Sodium Thiosulfate
O = Other (please define) _____

[3] **Container Codes:**
A = Amber Glass
G = Glass
P = Plastic
ST = Sterile
V = Vial
S = Summa Canister
T = Tedlar Bag
O = Other (please define) _____

Relinquished by: (signature)	Date/Time: 9/6/17 1430
Received by: (signature)	Date/Time: 9/6/17 1430
Relinquished by: (signature)	Date/Time: 9/6/17 1630
Received by: (signature)	Date/Time: 9/6/17 1630
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:

Detection Limit Requirements
MA
CT RES DEC
Other:

Program Information
○ MCP Analytical Certification Form Required
● RCP Analysis Certification Form Required
○ MA State DW Form Required
PWSID # _____

NELAC and AIHA-LAP, LLC Accredited

TURNAROUND TIME (BUSINESS DAYS) STARTS AT 9:00 AM THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON THIS CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR IS INCORRECT, TURNAROUND TIME CANNOT START UNTIL ALL QUESTIONS HAVE BEEN ANSWERED.

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con-test ANALYTICAL LABORATORY
Phone: 413-525-2332
Fax: 413-525-6405
Email: info@contestlabs.com

http://www.contestlabs.com

Doc # 381 Rev 0 5 8 2015

CHAIN OF CUSTODY RECORD

1710177

39 Spruce Street
East Longmeadow, MA 01028

Page _____ of _____

Company Name:	Weston & Sampson Engineers
Address:	273 Dividend Rd Rcoky Hill, CT
Phone:	860 513-1473
Project Name:	English Station
Project Location:	510 Grand Ave, New Haven, CT
Project Number:	2170495
Project Manager:	Malcolm Beeler
Con-Test Bid:	
Invoice Recipient:	Malcolm Beeler (Weston & Sampson)
Sampled By:	Chris Berthiaume/Will Sirotnak

Requested Turnaround Time
7-Day ☑ 10-Day ☐
Other: 5-day ☐

Rush-Approval Required
1-Day ☐ 3-Day ☐
2-Day ☐ 4-Day ☐

Data Delivery
Format: PDF ☑ EXCEL ☑
Other:
Enhanced Data Package Required: ☐
Email To: beelerm@wseinc.com
Fax To #:

ANALYSIS REQUESTED

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	[1]Matrix Code	Conc Code	PCBs Soxhlet	EPH										
								1											# of Containers
								H											[2] Preservation Code
								A											[3] Container Code
11	WS-AOC-12E-39-2	9/6/17	1046		X	S	U	X											
12	WS-AOC-12E-39-3	9/6/17	1047		X	S	U	X											
13	WS-AOC-12E-41-1	9/6/17	1107		X	S	U	X											
14	WS-AOC-12E-41-2	9/6/17	1108		X	S	U	X											
15	WS-AOC-12E-41-3	9/6/17	1109		X	S	U	X											
16	WS-AOC-12E-48-1	9/6/17	1100		X	S	U	X											
17	WS-AOC-12E-48-2	9/6/17	1101		X	S	U	X	X										
18	WS-AOC-12E-48-3	9/6/17	1102		X	S	U	X											
19	WS-AOC-12E-DUP 48	9/6/17	—		X	S	U	X	X										
20	WS-AOC-15-2-1	9/6/17	1322		X	S	U	X											

Dissolved Metals Samples
○ Field Filtered
○ Lab to Filter

Orthophosphate Samples
○ Field Filtered
○ Lab to Filter

[1] **Matrix Codes:**
GW = Ground Water
WW = Waste Water
DW = Drinking Water
A = Air
S = Soil/Solid
SL = Sludge
O = Other (please define)
_____

[2] **Preservation Codes:**
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium Bisulfate
X = Sodium Hydroxide
T = Sodium Thiosulfate
O = Other (please define)
_____

[3] **Container Codes:**
A = Amber Glass
G = Glass
P = Plastic
ST = Sterile
V = Vial
S = Summa Canister
T = Tedlar Bag
O = Other (please define)
_____

Comments:

Please hold excess volumes for possible SPLP analyses.
For WS-AOC-12E-39-3 please do MS/MSD

Please use the following codes to indicate possible sample concentration within the **Conc Code** column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Relinquished by: (signature)	Date/Time: 9/6/17 1430
Received by: (signature)	Date/Time: 9/6/17 1430
Relinquished by: (signature)	Date/Time: 9/6/17 1630
Received by: (signature)	Date/Time: 9/6/17 1630
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:

Detection Limit Requirements
MA
CT RES DEC
Other:

Program Information

○ MCP Analytical Certification Form Required
● RCP Analysis Certification Form Required
○ MA State DW Form Required
PWSID # _____

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TURNAROUND TIME (BUSINESS DAYS) STARTS AT 9:00 AM THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON THIS CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR IS INCORRECT, TURNAROUND TIME CANNOT START UNTIL ALL QUESTIONS HAVE BEEN ANSWERED.

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39 Spruce St.
East Longmeadow, MA. 01028
P: 413-525-2332
F: 413-525-6405
www.contestlabs.com

con-test® ANALYTICAL LABORATORY

Doc# 277 Rev 5 2017

Login Sample Receipt Checklist - (Rejection Criteria Listing - Using Acceptance Policy) Any False Statement will be brought to the attention of the Client - State True or False

Client Weston + Sampson

Received By JM Date 9/6/17 Time 1630

How were the samples received? In Cooler T No Cooler ____ On Ice T No Ice ____
Direct from Sampling ____ Ambient ____ Melted Ice ____
By Gun # 1 Actual Temp - 3.1

Were samples within Temperature? 2-6°C T By Blank # ____ Actual Temp - ____

Was Custody Seal Intact? N/A Were Samples Tampered with? N/A

Was COC Relinquished ? T Does Chain Agree With Samples? T

Are there broken/leaking/loose caps on any samples? F

Is COC in ink/ Legible? T Were samples received within holding time? T

Did COC include all pertinent Information? Client T Analysis T Sampler Name T
Project T ID's T Collection Dates/Times T

Are Sample labels filled out and legible? T

Are there Lab to Filters? N/A Who was notified? ____

Are there Rushes? N/A Who was notified? ____

Are there Short Holds? N/A Who was notified? ____

Is there enough Volume? T

Is there Headspace where applicable? N/A MS/MSD? N/A

Proper Media/Containers Used? T Is splitting samples required? N/A

Were trip blanks received? N/A On COC? N/A

Do all samples have the proper pH? N/A Acid ____ Base ____

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.	
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear	22
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear	
Bisulfate-		Col./Bacteria		Flashpoint		2oz Amb/Clear	
DI-		Other Plastic		Other Glass		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Unused Media

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.	
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear	
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear	
Bisulfate-		Col./Bacteria		Flashpoint		2oz Amb/Clear	
DI-		Other Plastic		Other Glass		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Comments:

D:\HPCHEM\1\DATA\A091317.SEC\A0913007.D

CT ETPH DISCRIMINATION CHECK

Date Acquired	9/13/17
Data File Name	A0913007.D
Sample Name	ETPH 1500
Instrument Name	5890DFID

Compound	Ret Time	Target Response	Average Response	*%D +/- 20
c - 9	1.28	588071	606245	-3
c - 10	1.63	595033	606245	-2
c - 12	2.35	611957	606245	1
c - 14	3.01	622160	606245	3
c - 16	3.61	634325	606245	5
c - 18	4.23	624551	606245	3
o-Terphenyl	4.51	692611	606245	
c - 20	4.83	629691	606245	4
c - 22	5.34	636645	606245	5
c - 24	5.77	591488	606245	-2
c - 26	6.16	620737	606245	2
c - 28	6.52	609671	606245	1
c - 30	6.85	598868	606245	-1
c - 32	7.16	577682	606245	-5
c - 34	7.46	576944	606245	-5
c - 36	7.77	575858	606245	-5

* One compound allowed %D <= 50%

Samples

17I0175-01
17I0175-03@10X
17I0177-17@10X

D:\HPCHEM\1\DATA\A091417\A0914006.D

CT ETPH DISCRIMINATION CHECK

Date Acquired	9/14/17
Data File Name	A0914006.D
Sample Name	ETPH 1500
Instrument Name	5890DFID

Compound	Ret Time	Target Response	Average Response	*%D +/- 20
c - 9	1.29	453384	492607	-8
c - 10	1.64	459697	492607	-7
c - 12	2.37	475397	492607	-3
c - 14	3.04	486082	492607	-1
c - 16	3.65	499764	492607	1
c - 18	4.29	497896	492607	1
o-Terphenyl	4.57	557590	492607	
c - 20	4.89	508182	492607	3
c - 22	5.39	521020	492607	6
c - 24	5.83	490841	492607	0
c - 26	6.23	519460	492607	5
c - 28	6.59	511554	492607	4
c - 30	6.92	503634	492607	2
c - 32	7.24	486513	492607	-1
c - 34	7.53	487105	492607	-1
c - 36	7.88	488572	492607	-1

* One compound allowed %D </= 50%

Samples
17I0177-05
17I0177-08
17I0177-10
17I0177-19
17I0177-04
17I0325-03

D:\HPCHEM\1\DATA\A091417.SEC\A0914007.D

CT ETPH DISCRIMINATION CHECK

Date Acquired	9/14/17
Data File Name	A0914007.D
Sample Name	ETPH 1500
Instrument Name	5890DFID

Compound	Ret Time	Target Response	Average Response	*%D +/- 20
c - 9	1.28	539073	575809	-6
c - 10	1.62	543533	575809	-6
c - 12	2.34	558790	575809	-3
c - 14	3.01	572281	575809	-1
c - 16	3.61	587727	575809	2
c - 18	4.23	583831	575809	1
o-Terphenyl	4.51	652231	575809	
c - 20	4.83	593936	575809	3
c - 22	5.34	605192	575809	5
c - 24	5.77	567503	575809	-1
c - 26	6.17	598870	575809	4
c - 28	6.52	591410	575809	3
c - 30	6.85	587003	575809	2
c - 32	7.16	570625	575809	-1
c - 34	7.46	570163	575809	-1
c - 36	7.77	567197	575809	-1

* One compound allowed %D </= 50%

Samples
17I0174-01
17I0174-02
17I0287-02
17I0287-03
17I0287-04
17I0314-01
17I0314-02
17I0314-03
17I0322-01
17I0325-01
17I0325-02
17I0325-03

REASONABLE CONFIDENCE PROTOCOL
LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name: Con-Test Analytical Laboratory

Client: Weston & Sampson

Project Location: 510 Grand Ave., New Haven, CT

Project Number: 17I0177

Laboratory Sample ID(s):

17I0177-01 thru 17I0177-20

Sample Date(s):

09/06/2017

List RCP Methods Used:

CTDEP ETPH, SW-846 8082A

1	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CTDEP method-specific Reasonable Confidence Protocol documents?	☑ Yes ☐ No
1A	Were the method specified preservation and holding time requirements met?	☑ Yes ☐ No
1B	VPH and EPH Methods only: Was the VPH and EPH method conducted without significant modifications (see Section 11.3 of respective RCP methods)?	☐ Yes ☐ No ☑ N/A
2	Were all samples received by the laboratory in a condition consistent with that described on the associated chain-of-custody document(s)?	☑ Yes ☐ No
3	Were samples received at an appropriate temperature (< 6 degrees C.)?	☑ Yes ☐ No ☐ N/A
4	Were all QA/QC performance criteria specified in the CTDEP Reasonable Confidence Protocol documents achieved?	☐ Yes ☑ No
5A	Were reporting limits specified or referenced on the chain-of-custody?	☑ Yes ☐ No
5B	Were these reporting limits met?	☑ Yes ☐ No
6	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	☑ Yes ☐ No
7	Are project-specific matrix spikes and laboratory duplicates included in this data set?	☑ Yes ☐ No

Notes: For all questions to which the response was "No" (with the exception of question #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A, or #1B is "No", the data package does not meet the requirements for "Reasonable Confidence."
This form may not be altered and all questions must be answered.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete.

Authorized Signature: Lisa Worthington **Position:** **Project Manager**

Printed Name: **Lisa A. Worthington** **Date:** **09/19/17**

Name of Laboratory: **Con-Test Analytical Laboratory**

This certification form is to be used for RCP methods only.

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

September 22, 2017

Malcolm Beeler
Weston & Sampson
273 Dividend Road
Rocky Hill, CT 06067

Project Location: 510 Grand Ave., New Haven, CT
Client Job Number:
Project Number: 2170495
Laboratory Work Order Number: 17I0320

Enclosed are results of analyses for samples received by the laboratory on September 8, 2017. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

James M. Georgantas
Project Manager

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con-test® ANALYTICAL LABORATORY

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Weston & Sampson
273 Dividend Road
Rocky Hill, CT 06067
ATTN: Malcolm Beeler

REPORT DATE: 9/22/2017

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 2170495

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 17I0320

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: 510 Grand Ave., New Haven, CT

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
WS-AOC-6-SO-16-3	17I0320-01	Soil		SM 2540G	
				SW-846 8082A	
WS-AOC-6-SO-16-4	17I0320-02	Soil		SM 2540G	
				SW-846 8082A	
WS-AOC-6-SO-10-1	17I0320-03	Soil		SM 2540G	
				SW-846 8082A	
WS-AOC-6-SO-10-2	17I0320-04	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 8082A	
WS-AOC-6-SO-10-3	17I0320-05	Soil		SM 2540G	
				SW-846 8082A	
WS-AOC-6-SO-10-4	17I0320-06	Soil		SM 2540G	
				SW-846 8082A	
WS-AOC-6-SO-15-1	17I0320-07	Soil		SM 2540G	
				SW-846 8082A	
WS-AOC-6-SO-15-2	17I0320-08	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 8082A	
WS-AOC-6-SO-15-3	17I0320-09	Soil		SM 2540G	
				SW-846 8082A	
				SW-846 8270D	
WS-AOC-6-SO-15-4	17I0320-10	Soil		SM 2540G	
				SW-846 8082A	
WS-AOC-6-SO-9-1	17I0320-11	Soil		SM 2540G	
				SW-846 8082A	
WS-AOC-6-SO-9-2	17I0320-12	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 8082A	
WS-AOC-6-SO-9-3	17I0320-13	Soil		SM 2540G	
				SW-846 8082A	
WS-AOC-6-SO-9-4	17I0320-14	Soil		SM 2540G	
				SW-846 8082A	
WS-AOC-6-SO-14-1	17I0320-15	Soil		SM 2540G	
				SW-846 8082A	
WS-AOC-6-SO-14-2	17I0320-16	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 8082A	
WS-AOC-6-SO-14-3	17I0320-17	Soil		SM 2540G	
				SW-846 8082A	
WS-AOC-6-SO-14-4	17I0320-18	Soil		SM 2540G	
				SW-846 8082A	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Weston & Sampson
273 Dividend Road
Rocky Hill, CT 06067
ATTN: Malcolm Beeler

REPORT DATE: 9/22/2017

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 2170495

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 17I0320

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: 510 Grand Ave., New Haven, CT

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
WS-AOC-12W-SO-109-1	17I0320-19	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 8082A	
				SW-846 8270D	
WS-AOC-12W-SO-109-2	17I0320-20	Soil		SM 2540G	
				SW-846 8082A	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

SW-846 8082A

Qualifications:

L-07

Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD between the two LFB/LCS results is within method specified criteria.

Analyte & Samples(s) Qualified:

Aroclor-1260

B186354-MS1

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

Lisa A. Worthington
Project Manager

con-test® ANALYTICAL LABORATORY

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0320

Date Received: 9/8/2017

Field Sample #: WS-AOC-6-SO-16-3 Sampled: 9/8/2017 11:37

Sample ID: 17I0320-01

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.097	mg/Kg dry	4		SW-846 8082A	9/15/17	9/21/17 19:49	KAL
Aroclor-1221 [1]	ND	0.097	mg/Kg dry	4		SW-846 8082A	9/15/17	9/21/17 19:49	KAL
Aroclor-1232 [1]	ND	0.097	mg/Kg dry	4		SW-846 8082A	9/15/17	9/21/17 19:49	KAL
Aroclor-1242 [1]	ND	0.097	mg/Kg dry	4		SW-846 8082A	9/15/17	9/21/17 19:49	KAL
Aroclor-1248 [1]	ND	0.097	mg/Kg dry	4		SW-846 8082A	9/15/17	9/21/17 19:49	KAL
Aroclor-1254 [1]	ND	0.097	mg/Kg dry	4		SW-846 8082A	9/15/17	9/21/17 19:49	KAL
Aroclor-1260 [1]	ND	0.097	mg/Kg dry	4		SW-846 8082A	9/15/17	9/21/17 19:49	KAL
Aroclor-1262 [1]	ND	0.097	mg/Kg dry	4		SW-846 8082A	9/15/17	9/21/17 19:49	KAL
Aroclor-1268 [1]	ND	0.097	mg/Kg dry	4		SW-846 8082A	9/15/17	9/21/17 19:49	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	92.3	30-150		9/21/17 19:49
Decachlorobiphenyl [2]	110	30-150		9/21/17 19:49
Tetrachloro-m-xylene [1]	93.5	30-150		9/21/17 19:49
Tetrachloro-m-xylene [2]	91.0	30-150		9/21/17 19:49

con-test® ANALYTICAL LABORATORY

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0320

Date Received: 9/8/2017

Field Sample #: WS-AOC-6-SO-16-3 Sampled: 9/8/2017 11:37

Sample ID: 17I0320-01

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	77.9		% Wt	1		SM 2540G	9/14/17	9/15/17 8:05	MRL

con-test® ANALYTICAL LABORATORY

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0320

Date Received: 9/8/2017

Field Sample #: WS-AOC-6-SO-16-4 Sampled: 9/8/2017 11:38

Sample ID: 17I0320-02

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.098	mg/Kg dry	4		SW-846 8082A	9/15/17	9/21/17 20:06	KAL
Aroclor-1221 [1]	ND	0.098	mg/Kg dry	4		SW-846 8082A	9/15/17	9/21/17 20:06	KAL
Aroclor-1232 [1]	ND	0.098	mg/Kg dry	4		SW-846 8082A	9/15/17	9/21/17 20:06	KAL
Aroclor-1242 [1]	ND	0.098	mg/Kg dry	4		SW-846 8082A	9/15/17	9/21/17 20:06	KAL
Aroclor-1248 [1]	ND	0.098	mg/Kg dry	4		SW-846 8082A	9/15/17	9/21/17 20:06	KAL
Aroclor-1254 [1]	ND	0.098	mg/Kg dry	4		SW-846 8082A	9/15/17	9/21/17 20:06	KAL
Aroclor-1260 [1]	ND	0.098	mg/Kg dry	4		SW-846 8082A	9/15/17	9/21/17 20:06	KAL
Aroclor-1262 [1]	ND	0.098	mg/Kg dry	4		SW-846 8082A	9/15/17	9/21/17 20:06	KAL
Aroclor-1268 [1]	ND	0.098	mg/Kg dry	4		SW-846 8082A	9/15/17	9/21/17 20:06	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	84.1	30-150		9/21/17 20:06
Decachlorobiphenyl [2]	95.7	30-150		9/21/17 20:06
Tetrachloro-m-xylene [1]	88.4	30-150		9/21/17 20:06
Tetrachloro-m-xylene [2]	85.9	30-150		9/21/17 20:06

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0320

Date Received: 9/8/2017

Field Sample #: WS-AOC-6-SO-16-4 Sampled: 9/8/2017 11:38

Sample ID: 17I0320-02

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	81.4		% Wt	1		SM 2540G	9/14/17	9/15/17 8:05	MRL

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0320

Date Received: 9/8/2017

Field Sample #: WS-AOC-6-SO-10-1 Sampled: 9/8/2017 11:53

Sample ID: 17I0320-03

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.12	mg/Kg dry	4		SW-846 8082A	9/15/17	9/21/17 20:23	KAL
Aroclor-1221 [1]	ND	0.12	mg/Kg dry	4		SW-846 8082A	9/15/17	9/21/17 20:23	KAL
Aroclor-1232 [1]	ND	0.12	mg/Kg dry	4		SW-846 8082A	9/15/17	9/21/17 20:23	KAL
Aroclor-1242 [1]	ND	0.12	mg/Kg dry	4		SW-846 8082A	9/15/17	9/21/17 20:23	KAL
Aroclor-1248 [1]	ND	0.12	mg/Kg dry	4		SW-846 8082A	9/15/17	9/21/17 20:23	KAL
Aroclor-1254 [1]	ND	0.12	mg/Kg dry	4		SW-846 8082A	9/15/17	9/21/17 20:23	KAL
Aroclor-1260 [1]	0.34	0.12	mg/Kg dry	4		SW-846 8082A	9/15/17	9/21/17 20:23	KAL
Aroclor-1262 [1]	ND	0.12	mg/Kg dry	4		SW-846 8082A	9/15/17	9/21/17 20:23	KAL
Aroclor-1268 [1]	ND	0.12	mg/Kg dry	4		SW-846 8082A	9/15/17	9/21/17 20:23	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	89.9	30-150		9/21/17 20:23
Decachlorobiphenyl [2]	105	30-150		9/21/17 20:23
Tetrachloro-m-xylene [1]	99.0	30-150		9/21/17 20:23
Tetrachloro-m-xylene [2]	97.4	30-150		9/21/17 20:23

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0320

Date Received: 9/8/2017

Field Sample #: WS-AOC-6-SO-10-1 Sampled: 9/8/2017 11:53

Sample ID: 17I0320-03

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	67.0		% Wt	1		SM 2540G	9/14/17	9/15/17 8:05	MRL

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0320

Date Received: 9/8/2017

Field Sample #: WS-AOC-6-SO-10-2 Sampled: 9/8/2017 11:54

Sample ID: 17I0320-04

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	9/15/17	9/21/17 20:41	KAL
Aroclor-1221 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	9/15/17	9/21/17 20:41	KAL
Aroclor-1232 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	9/15/17	9/21/17 20:41	KAL
Aroclor-1242 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	9/15/17	9/21/17 20:41	KAL
Aroclor-1248 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	9/15/17	9/21/17 20:41	KAL
Aroclor-1254 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	9/15/17	9/21/17 20:41	KAL
Aroclor-1260 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	9/15/17	9/21/17 20:41	KAL
Aroclor-1262 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	9/15/17	9/21/17 20:41	KAL
Aroclor-1268 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	9/15/17	9/21/17 20:41	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	81.2	30-150		9/21/17 20:41
Decachlorobiphenyl [2]	93.2	30-150		9/21/17 20:41
Tetrachloro-m-xylene [1]	92.6	30-150		9/21/17 20:41
Tetrachloro-m-xylene [2]	90.2	30-150		9/21/17 20:41

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0320

Date Received: 9/8/2017

Field Sample #: WS-AOC-6-SO-10-2 Sampled: 9/8/2017 11:54

Sample ID: 17I0320-04

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	58	12	mg/Kg dry	1		CTDEP ETPH	9/15/17	9/19/17 3:55	SCS

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
o-Terphenyl	55.1	50-150		9/19/17 3:55

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0320

Date Received: 9/8/2017

Field Sample #: WS-AOC-6-SO-10-2 Sampled: 9/8/2017 11:54

Sample ID: 17I0320-04

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	81.6		% Wt	1		SM 2540G	9/14/17	9/15/17 8:05	MRL

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0320

Date Received: 9/8/2017

Field Sample #: WS-AOC-6-SO-10-3 Sampled: 9/8/2017 11:55

Sample ID: 17I0320-05

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	9/15/17	9/21/17 20:58	KAL
Aroclor-1221 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	9/15/17	9/21/17 20:58	KAL
Aroclor-1232 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	9/15/17	9/21/17 20:58	KAL
Aroclor-1242 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	9/15/17	9/21/17 20:58	KAL
Aroclor-1248 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	9/15/17	9/21/17 20:58	KAL
Aroclor-1254 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	9/15/17	9/21/17 20:58	KAL
Aroclor-1260 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	9/15/17	9/21/17 20:58	KAL
Aroclor-1262 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	9/15/17	9/21/17 20:58	KAL
Aroclor-1268 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	9/15/17	9/21/17 20:58	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	90.2	30-150		9/21/17 20:58
Decachlorobiphenyl [2]	103	30-150		9/21/17 20:58
Tetrachloro-m-xylene [1]	97.6	30-150		9/21/17 20:58
Tetrachloro-m-xylene [2]	95.3	30-150		9/21/17 20:58

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0320

Date Received: 9/8/2017

Field Sample #: WS-AOC-6-SO-10-3 Sampled: 9/8/2017 11:55

Sample ID: 17I0320-05

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	89.6		% Wt	1		SM 2540G	9/14/17	9/15/17 8:05	MRL

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0320

Date Received: 9/8/2017

Field Sample #: WS-AOC-6-SO-10-4 Sampled: 9/8/2017 11:56

Sample ID: 17I0320-06

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	9/15/17	9/21/17 21:15	KAL
Aroclor-1221 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	9/15/17	9/21/17 21:15	KAL
Aroclor-1232 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	9/15/17	9/21/17 21:15	KAL
Aroclor-1242 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	9/15/17	9/21/17 21:15	KAL
Aroclor-1248 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	9/15/17	9/21/17 21:15	KAL
Aroclor-1254 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	9/15/17	9/21/17 21:15	KAL
Aroclor-1260 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	9/15/17	9/21/17 21:15	KAL
Aroclor-1262 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	9/15/17	9/21/17 21:15	KAL
Aroclor-1268 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	9/15/17	9/21/17 21:15	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	94.8	30-150		9/21/17 21:15
Decachlorobiphenyl [2]	107	30-150		9/21/17 21:15
Tetrachloro-m-xylene [1]	98.5	30-150		9/21/17 21:15
Tetrachloro-m-xylene [2]	96.4	30-150		9/21/17 21:15

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0320

Date Received: 9/8/2017

Field Sample #: WS-AOC-6-SO-10-4 Sampled: 9/8/2017 11:56

Sample ID: 17I0320-06

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	77.1		% Wt	1		SM 2540G	9/14/17	9/15/17 8:05	MRL

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0320

Date Received: 9/8/2017

Field Sample #: WS-AOC-6-SO-15-1 Sampled: 9/8/2017 11:57

Sample ID: 17I0320-07

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.46	mg/Kg dry	20		SW-846 8082A	9/15/17	9/22/17 9:19	KAL
Aroclor-1221 [1]	ND	0.46	mg/Kg dry	20		SW-846 8082A	9/15/17	9/22/17 9:19	KAL
Aroclor-1232 [1]	ND	0.46	mg/Kg dry	20		SW-846 8082A	9/15/17	9/22/17 9:19	KAL
Aroclor-1242 [1]	ND	0.46	mg/Kg dry	20		SW-846 8082A	9/15/17	9/22/17 9:19	KAL
Aroclor-1248 [1]	ND	0.46	mg/Kg dry	20		SW-846 8082A	9/15/17	9/22/17 9:19	KAL
Aroclor-1254 [1]	ND	0.46	mg/Kg dry	20		SW-846 8082A	9/15/17	9/22/17 9:19	KAL
Aroclor-1260 [2]	2.9	0.46	mg/Kg dry	20		SW-846 8082A	9/15/17	9/22/17 9:19	KAL
Aroclor-1262 [1]	ND	0.46	mg/Kg dry	20		SW-846 8082A	9/15/17	9/22/17 9:19	KAL
Aroclor-1268 [1]	ND	0.46	mg/Kg dry	20		SW-846 8082A	9/15/17	9/22/17 9:19	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	101	30-150		9/22/17 9:19
Decachlorobiphenyl [2]	114	30-150		9/22/17 9:19
Tetrachloro-m-xylene [1]	106	30-150		9/22/17 9:19
Tetrachloro-m-xylene [2]	99.9	30-150		9/22/17 9:19

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0320

Date Received: 9/8/2017

Field Sample #: WS-AOC-6-SO-15-1 Sampled: 9/8/2017 11:57

Sample ID: 17I0320-07

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	82.2		% Wt	1		SM 2540G	9/14/17	9/15/17 8:05	MRL

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0320

Date Received: 9/8/2017

Field Sample #: WS-AOC-6-SO-15-2 Sampled: 9/8/2017 11:58

Sample ID: 17I0320-08

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	9/15/17	9/21/17 21:50	KAL
Aroclor-1221 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	9/15/17	9/21/17 21:50	KAL
Aroclor-1232 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	9/15/17	9/21/17 21:50	KAL
Aroclor-1242 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	9/15/17	9/21/17 21:50	KAL
Aroclor-1248 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	9/15/17	9/21/17 21:50	KAL
Aroclor-1254 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	9/15/17	9/21/17 21:50	KAL
Aroclor-1260 [1]	0.51	0.10	mg/Kg dry	4		SW-846 8082A	9/15/17	9/21/17 21:50	KAL
Aroclor-1262 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	9/15/17	9/21/17 21:50	KAL
Aroclor-1268 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	9/15/17	9/21/17 21:50	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	81.4	30-150		9/21/17 21:50
Decachlorobiphenyl [2]	93.1	30-150		9/21/17 21:50
Tetrachloro-m-xylene [1]	81.0	30-150		9/21/17 21:50
Tetrachloro-m-xylene [2]	78.3	30-150		9/21/17 21:50

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0320

Date Received: 9/8/2017

Field Sample #: WS-AOC-6-SO-15-2 Sampled: 9/8/2017 11:58

Sample ID: 17I0320-08

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	260	66	mg/Kg dry	5		CTDEP ETPH	9/15/17	9/20/17 2:54	SCS

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
o-Terphenyl	54.5	50-150		9/20/17 2:54

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0320

Date Received: 9/8/2017

Field Sample #: WS-AOC-6-SO-15-2 Sampled: 9/8/2017 11:58

Sample ID: 17I0320-08

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	75.4		% Wt	1		SM 2540G	9/14/17	9/15/17 8:05	MRL

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0320

Date Received: 9/8/2017

Field Sample #: WS-AOC-6-SO-15-3 Sampled: 9/8/2017 11:59

Sample ID: 17I0320-09

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.22	mg/Kg dry	1		SW-846 8270D	9/15/17	9/18/17 14:59	BGL
Acenaphthylene	ND	0.22	mg/Kg dry	1		SW-846 8270D	9/15/17	9/18/17 14:59	BGL
Anthracene	ND	0.22	mg/Kg dry	1		SW-846 8270D	9/15/17	9/18/17 14:59	BGL
Benzo(a)anthracene	ND	0.22	mg/Kg dry	1		SW-846 8270D	9/15/17	9/18/17 14:59	BGL
Benzo(a)pyrene	ND	0.22	mg/Kg dry	1		SW-846 8270D	9/15/17	9/18/17 14:59	BGL
Benzo(b)fluoranthene	ND	0.22	mg/Kg dry	1		SW-846 8270D	9/15/17	9/18/17 14:59	BGL
Benzo(g,h,i)perylene	ND	0.22	mg/Kg dry	1		SW-846 8270D	9/15/17	9/18/17 14:59	BGL
Benzo(k)fluoranthene	ND	0.22	mg/Kg dry	1		SW-846 8270D	9/15/17	9/18/17 14:59	BGL
Chrysene	0.28	0.22	mg/Kg dry	1		SW-846 8270D	9/15/17	9/18/17 14:59	BGL
Dibenz(a,h)anthracene	ND	0.22	mg/Kg dry	1		SW-846 8270D	9/15/17	9/18/17 14:59	BGL
Fluoranthene	0.32	0.22	mg/Kg dry	1		SW-846 8270D	9/15/17	9/18/17 14:59	BGL
Fluorene	ND	0.22	mg/Kg dry	1		SW-846 8270D	9/15/17	9/18/17 14:59	BGL
Indeno(1,2,3-cd)pyrene	ND	0.22	mg/Kg dry	1		SW-846 8270D	9/15/17	9/18/17 14:59	BGL
2-Methylnaphthalene	ND	0.22	mg/Kg dry	1		SW-846 8270D	9/15/17	9/18/17 14:59	BGL
Naphthalene	ND	0.22	mg/Kg dry	1		SW-846 8270D	9/15/17	9/18/17 14:59	BGL
Phenanthrene	0.41	0.22	mg/Kg dry	1		SW-846 8270D	9/15/17	9/18/17 14:59	BGL
Pyrene	0.24	0.22	mg/Kg dry	1		SW-846 8270D	9/15/17	9/18/17 14:59	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Nitrobenzene-d5	48.0	30-130		9/18/17 14:59
2-Fluorobiphenyl	54.3	30-130		9/18/17 14:59
p-Terphenyl-d14	57.2	30-130		9/18/17 14:59

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0320

Date Received: 9/8/2017

Field Sample #: WS-AOC-6-SO-15-3 Sampled: 9/8/2017 11:59

Sample ID: 17I0320-09

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.099	mg/Kg dry	4		SW-846 8082A	9/15/17	9/21/17 22:07	KAL
Aroclor-1221 [1]	ND	0.099	mg/Kg dry	4		SW-846 8082A	9/15/17	9/21/17 22:07	KAL
Aroclor-1232 [1]	ND	0.099	mg/Kg dry	4		SW-846 8082A	9/15/17	9/21/17 22:07	KAL
Aroclor-1242 [1]	ND	0.099	mg/Kg dry	4		SW-846 8082A	9/15/17	9/21/17 22:07	KAL
Aroclor-1248 [1]	ND	0.099	mg/Kg dry	4		SW-846 8082A	9/15/17	9/21/17 22:07	KAL
Aroclor-1254 [1]	ND	0.099	mg/Kg dry	4		SW-846 8082A	9/15/17	9/21/17 22:07	KAL
Aroclor-1260 [1]	ND	0.099	mg/Kg dry	4		SW-846 8082A	9/15/17	9/21/17 22:07	KAL
Aroclor-1262 [1]	ND	0.099	mg/Kg dry	4		SW-846 8082A	9/15/17	9/21/17 22:07	KAL
Aroclor-1268 [1]	ND	0.099	mg/Kg dry	4		SW-846 8082A	9/15/17	9/21/17 22:07	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	93.0	30-150		9/21/17 22:07
Decachlorobiphenyl [2]	106	30-150		9/21/17 22:07
Tetrachloro-m-xylene [1]	103	30-150		9/21/17 22:07
Tetrachloro-m-xylene [2]	99.7	30-150		9/21/17 22:07

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0320

Date Received: 9/8/2017

Field Sample #: WS-AOC-6-SO-15-3 Sampled: 9/8/2017 11:59

Sample ID: 17I0320-09

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	77.8		% Wt	1		SM 2540G	9/14/17	9/15/17 8:05	MRL

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0320

Date Received: 9/8/2017

Field Sample #: WS-AOC-6-SO-15-4 Sampled: 9/8/2017 12:00

Sample ID: 17I0320-10

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	9/15/17	9/21/17 23:11	KAL
Aroclor-1221 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	9/15/17	9/21/17 23:11	KAL
Aroclor-1232 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	9/15/17	9/21/17 23:11	KAL
Aroclor-1242 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	9/15/17	9/21/17 23:11	KAL
Aroclor-1248 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	9/15/17	9/21/17 23:11	KAL
Aroclor-1254 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	9/15/17	9/21/17 23:11	KAL
Aroclor-1260 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	9/15/17	9/21/17 23:11	KAL
Aroclor-1262 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	9/15/17	9/21/17 23:11	KAL
Aroclor-1268 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	9/15/17	9/21/17 23:11	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	91.0	30-150		9/21/17 23:11
Decachlorobiphenyl [2]	104	30-150		9/21/17 23:11
Tetrachloro-m-xylene [1]	92.4	30-150		9/21/17 23:11
Tetrachloro-m-xylene [2]	90.1	30-150		9/21/17 23:11

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0320

Date Received: 9/8/2017

Field Sample #: WS-AOC-6-SO-15-4 Sampled: 9/8/2017 12:00

Sample ID: 17I0320-10

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	85.6		% Wt	1		SM 2540G	9/14/17	9/15/17 8:05	MRL

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0320

Date Received: 9/8/2017

Field Sample #: WS-AOC-6-SO-9-1 Sampled: 9/8/2017 12:07

Sample ID: 17I0320-11

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	9/15/17	9/22/17 16:26	KAL
Aroclor-1221 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	9/15/17	9/22/17 16:26	KAL
Aroclor-1232 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	9/15/17	9/22/17 16:26	KAL
Aroclor-1242 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	9/15/17	9/22/17 16:26	KAL
Aroclor-1248 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	9/15/17	9/22/17 16:26	KAL
Aroclor-1254 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	9/15/17	9/22/17 16:26	KAL
Aroclor-1260 [2]	0.10	0.089	mg/Kg dry	4		SW-846 8082A	9/15/17	9/22/17 16:26	KAL
Aroclor-1262 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	9/15/17	9/22/17 16:26	KAL
Aroclor-1268 [2]	0.20	0.089	mg/Kg dry	4		SW-846 8082A	9/15/17	9/22/17 16:26	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	108	30-150		9/22/17 16:26
Decachlorobiphenyl [2]	127	30-150		9/22/17 16:26
Tetrachloro-m-xylene [1]	102	30-150		9/22/17 16:26
Tetrachloro-m-xylene [2]	104	30-150		9/22/17 16:26

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0320

Date Received: 9/8/2017

Field Sample #: WS-AOC-6-SO-9-1 Sampled: 9/8/2017 12:07

Sample ID: 17I0320-11

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	87.5		% Wt	1		SM 2540G	9/14/17	9/15/17 8:05	MRL

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0320

Date Received: 9/8/2017

Field Sample #: WS-AOC-6-SO-9-2 Sampled: 9/8/2017 12:08

Sample ID: 17I0320-12

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	9/15/17	9/21/17 23:45	KAL
Aroclor-1221 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	9/15/17	9/21/17 23:45	KAL
Aroclor-1232 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	9/15/17	9/21/17 23:45	KAL
Aroclor-1242 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	9/15/17	9/21/17 23:45	KAL
Aroclor-1248 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	9/15/17	9/21/17 23:45	KAL
Aroclor-1254 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	9/15/17	9/21/17 23:45	KAL
Aroclor-1260 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	9/15/17	9/21/17 23:45	KAL
Aroclor-1262 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	9/15/17	9/21/17 23:45	KAL
Aroclor-1268 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	9/15/17	9/21/17 23:45	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	91.6	30-150		9/21/17 23:45
Decachlorobiphenyl [2]	107	30-150		9/21/17 23:45
Tetrachloro-m-xylene [1]	99.5	30-150		9/21/17 23:45
Tetrachloro-m-xylene [2]	96.1	30-150		9/21/17 23:45

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0320

Date Received: 9/8/2017

Field Sample #: WS-AOC-6-SO-9-2 Sampled: 9/8/2017 12:08

Sample ID: 17I0320-12

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	170	58	mg/Kg dry	5		CTDEP ETPH	9/15/17	9/20/17 3:12	SCS

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
o-Terphenyl	59.6	50-150		9/20/17 3:12

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0320

Date Received: 9/8/2017

Field Sample #: WS-AOC-6-SO-9-2 Sampled: 9/8/2017 12:08

Sample ID: 17I0320-12

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	86.2		% Wt	1		SM 2540G	9/14/17	9/15/17 8:05	MRL

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0320

Date Received: 9/8/2017

Field Sample #: WS-AOC-6-SO-9-3 Sampled: 9/8/2017 12:09

Sample ID: 17I0320-13

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	9/15/17	9/22/17 0:02	KAL
Aroclor-1221 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	9/15/17	9/22/17 0:02	KAL
Aroclor-1232 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	9/15/17	9/22/17 0:02	KAL
Aroclor-1242 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	9/15/17	9/22/17 0:02	KAL
Aroclor-1248 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	9/15/17	9/22/17 0:02	KAL
Aroclor-1254 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	9/15/17	9/22/17 0:02	KAL
Aroclor-1260 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	9/15/17	9/22/17 0:02	KAL
Aroclor-1262 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	9/15/17	9/22/17 0:02	KAL
Aroclor-1268 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	9/15/17	9/22/17 0:02	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	95.1	30-150		9/22/17 0:02
Decachlorobiphenyl [2]	109	30-150		9/22/17 0:02
Tetrachloro-m-xylene [1]	106	30-150		9/22/17 0:02
Tetrachloro-m-xylene [2]	100	30-150		9/22/17 0:02

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0320

Date Received: 9/8/2017

Field Sample #: WS-AOC-6-SO-9-3 Sampled: 9/8/2017 12:09

Sample ID: 17I0320-13

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	85.5		% Wt	1		SM 2540G	9/14/17	9/15/17 8:05	MRL

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0320

Date Received: 9/8/2017

Field Sample #: WS-AOC-6-SO-9-4 Sampled: 9/8/2017 12:10

Sample ID: 17I0320-14

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	9/15/17	9/22/17 0:20	KAL
Aroclor-1221 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	9/15/17	9/22/17 0:20	KAL
Aroclor-1232 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	9/15/17	9/22/17 0:20	KAL
Aroclor-1242 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	9/15/17	9/22/17 0:20	KAL
Aroclor-1248 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	9/15/17	9/22/17 0:20	KAL
Aroclor-1254 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	9/15/17	9/22/17 0:20	KAL
Aroclor-1260 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	9/15/17	9/22/17 0:20	KAL
Aroclor-1262 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	9/15/17	9/22/17 0:20	KAL
Aroclor-1268 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	9/15/17	9/22/17 0:20	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	81.6	30-150		9/22/17 0:20
Decachlorobiphenyl [2]	112	30-150		9/22/17 0:20
Tetrachloro-m-xylene [1]	90.2	30-150		9/22/17 0:20
Tetrachloro-m-xylene [2]	85.6	30-150		9/22/17 0:20

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0320

Date Received: 9/8/2017

Field Sample #: WS-AOC-6-SO-9-4 Sampled: 9/8/2017 12:10

Sample ID: 17I0320-14

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	86.6		% Wt	1		SM 2540G	9/14/17	9/15/17 8:05	MRL

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0320

Date Received: 9/8/2017

Field Sample #: WS-AOC-6-SO-14-1 Sampled: 9/8/2017 12:26

Sample ID: 17I0320-15

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.17	mg/Kg dry	8		SW-846 8082A	9/15/17	9/22/17 9:32	KAL
Aroclor-1221 [1]	ND	0.17	mg/Kg dry	8		SW-846 8082A	9/15/17	9/22/17 9:32	KAL
Aroclor-1232 [1]	ND	0.17	mg/Kg dry	8		SW-846 8082A	9/15/17	9/22/17 9:32	KAL
Aroclor-1242 [1]	ND	0.17	mg/Kg dry	8		SW-846 8082A	9/15/17	9/22/17 9:32	KAL
Aroclor-1248 [2]	0.90	0.17	mg/Kg dry	8		SW-846 8082A	9/15/17	9/22/17 9:32	KAL
Aroclor-1254 [1]	ND	0.17	mg/Kg dry	8		SW-846 8082A	9/15/17	9/22/17 9:32	KAL
Aroclor-1260 [1]	0.98	0.17	mg/Kg dry	8		SW-846 8082A	9/15/17	9/22/17 9:32	KAL
Aroclor-1262 [1]	ND	0.17	mg/Kg dry	8		SW-846 8082A	9/15/17	9/22/17 9:32	KAL
Aroclor-1268 [1]	ND	0.17	mg/Kg dry	8		SW-846 8082A	9/15/17	9/22/17 9:32	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	74.8	30-150		9/22/17 9:32
Decachlorobiphenyl [2]	86.3	30-150		9/22/17 9:32
Tetrachloro-m-xylene [1]	92.2	30-150		9/22/17 9:32
Tetrachloro-m-xylene [2]	90.0	30-150		9/22/17 9:32

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0320

Date Received: 9/8/2017

Field Sample #: WS-AOC-6-SO-14-1 Sampled: 9/8/2017 12:26

Sample ID: 17I0320-15

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	92.4		% Wt	1		SM 2540G	9/14/17	9/15/17 8:05	MRL

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0320

Date Received: 9/8/2017

Field Sample #: WS-AOC-6-SO-14-2 Sampled: 9/8/2017 12:27

Sample ID: 17I0320-16

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.16	mg/Kg dry	8		SW-846 8082A	9/15/17	9/22/17 9:44	KAL
Aroclor-1221 [1]	ND	0.16	mg/Kg dry	8		SW-846 8082A	9/15/17	9/22/17 9:44	KAL
Aroclor-1232 [1]	ND	0.16	mg/Kg dry	8		SW-846 8082A	9/15/17	9/22/17 9:44	KAL
Aroclor-1242 [1]	ND	0.16	mg/Kg dry	8		SW-846 8082A	9/15/17	9/22/17 9:44	KAL
Aroclor-1248 [1]	0.38	0.16	mg/Kg dry	8		SW-846 8082A	9/15/17	9/22/17 9:44	KAL
Aroclor-1254 [1]	ND	0.16	mg/Kg dry	8		SW-846 8082A	9/15/17	9/22/17 9:44	KAL
Aroclor-1260 [2]	1.4	0.16	mg/Kg dry	8		SW-846 8082A	9/15/17	9/22/17 9:44	KAL
Aroclor-1262 [1]	ND	0.16	mg/Kg dry	8		SW-846 8082A	9/15/17	9/22/17 9:44	KAL
Aroclor-1268 [1]	ND	0.16	mg/Kg dry	8		SW-846 8082A	9/15/17	9/22/17 9:44	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	91.3	30-150		9/22/17 9:44
Decachlorobiphenyl [2]	103	30-150		9/22/17 9:44
Tetrachloro-m-xylene [1]	91.0	30-150		9/22/17 9:44
Tetrachloro-m-xylene [2]	87.6	30-150		9/22/17 9:44

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0320

Date Received: 9/8/2017

Field Sample #: WS-AOC-6-SO-14-2 Sampled: 9/8/2017 12:27

Sample ID: 17I0320-16

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	89	11	mg/Kg dry	1		CTDEP ETPH	9/15/17	9/19/17 4:47	SCS

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
o-Terphenyl	55.4	50-150		9/19/17 4:47

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0320

Date Received: 9/8/2017

Field Sample #: WS-AOC-6-SO-14-2 Sampled: 9/8/2017 12:27

Sample ID: 17I0320-16

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	91.4		% Wt	1		SM 2540G	9/14/17	9/15/17 8:05	MRL

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0320

Date Received: 9/8/2017

Field Sample #: WS-AOC-6-SO-14-3 Sampled: 9/8/2017 12:28

Sample ID: 17I0320-17

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	9/15/17	9/22/17 1:11	KAL
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	9/15/17	9/22/17 1:11	KAL
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	9/15/17	9/22/17 1:11	KAL
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	9/15/17	9/22/17 1:11	KAL
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	9/15/17	9/22/17 1:11	KAL
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	9/15/17	9/22/17 1:11	KAL
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	9/15/17	9/22/17 1:11	KAL
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	9/15/17	9/22/17 1:11	KAL
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	9/15/17	9/22/17 1:11	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	85.2	30-150		9/22/17 1:11
Decachlorobiphenyl [2]	96.8	30-150		9/22/17 1:11
Tetrachloro-m-xylene [1]	94.6	30-150		9/22/17 1:11
Tetrachloro-m-xylene [2]	92.2	30-150		9/22/17 1:11

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0320

Date Received: 9/8/2017

Field Sample #: WS-AOC-6-SO-14-3 Sampled: 9/8/2017 12:28

Sample ID: 17I0320-17

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	74.3		% Wt	1		SM 2540G	9/14/17	9/15/17 8:05	MRL

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0320

Date Received: 9/8/2017

Field Sample #: WS-AOC-6-SO-14-4 Sampled: 9/8/2017 12:29

Sample ID: 17I0320-18

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.098	mg/Kg dry	4		SW-846 8082A	9/15/17	9/22/17 1:29	KAL
Aroclor-1221 [1]	ND	0.098	mg/Kg dry	4		SW-846 8082A	9/15/17	9/22/17 1:29	KAL
Aroclor-1232 [1]	ND	0.098	mg/Kg dry	4		SW-846 8082A	9/15/17	9/22/17 1:29	KAL
Aroclor-1242 [1]	ND	0.098	mg/Kg dry	4		SW-846 8082A	9/15/17	9/22/17 1:29	KAL
Aroclor-1248 [1]	ND	0.098	mg/Kg dry	4		SW-846 8082A	9/15/17	9/22/17 1:29	KAL
Aroclor-1254 [1]	ND	0.098	mg/Kg dry	4		SW-846 8082A	9/15/17	9/22/17 1:29	KAL
Aroclor-1260 [1]	ND	0.098	mg/Kg dry	4		SW-846 8082A	9/15/17	9/22/17 1:29	KAL
Aroclor-1262 [1]	ND	0.098	mg/Kg dry	4		SW-846 8082A	9/15/17	9/22/17 1:29	KAL
Aroclor-1268 [1]	ND	0.098	mg/Kg dry	4		SW-846 8082A	9/15/17	9/22/17 1:29	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	90.6	30-150		9/22/17 1:29
Decachlorobiphenyl [2]	103	30-150		9/22/17 1:29
Tetrachloro-m-xylene [1]	98.6	30-150		9/22/17 1:29
Tetrachloro-m-xylene [2]	95.0	30-150		9/22/17 1:29

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0320

Date Received: 9/8/2017

Field Sample #: WS-AOC-6-SO-14-4 Sampled: 9/8/2017 12:29

Sample ID: 17I0320-18

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	81.1		% Wt	1		SM 2540G	9/14/17	9/15/17 8:05	MRL

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0320

Date Received: 9/8/2017

Field Sample #: WS-AOC-12W-SO-109-1 Sampled: 9/8/2017 13:04

Sample ID: 17I0320-19

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.29	mg/Kg dry	1		SW-846 8270D	9/15/17	9/18/17 15:24	BGL
Acenaphthylene	ND	0.29	mg/Kg dry	1		SW-846 8270D	9/15/17	9/18/17 15:24	BGL
Anthracene	ND	0.29	mg/Kg dry	1		SW-846 8270D	9/15/17	9/18/17 15:24	BGL
Benzo(a)anthracene	0.88	0.29	mg/Kg dry	1		SW-846 8270D	9/15/17	9/18/17 15:24	BGL
Benzo(a)pyrene	0.84	0.29	mg/Kg dry	1		SW-846 8270D	9/15/17	9/18/17 15:24	BGL
Benzo(b)fluoranthene	0.90	0.29	mg/Kg dry	1		SW-846 8270D	9/15/17	9/18/17 15:24	BGL
Benzo(g,h,i)perylene	0.47	0.29	mg/Kg dry	1		SW-846 8270D	9/15/17	9/18/17 15:24	BGL
Benzo(k)fluoranthene	0.36	0.29	mg/Kg dry	1		SW-846 8270D	9/15/17	9/18/17 15:24	BGL
Chrysene	0.77	0.29	mg/Kg dry	1		SW-846 8270D	9/15/17	9/18/17 15:24	BGL
Dibenz(a,h)anthracene	ND	0.29	mg/Kg dry	1		SW-846 8270D	9/15/17	9/18/17 15:24	BGL
Fluoranthene	1.7	0.29	mg/Kg dry	1		SW-846 8270D	9/15/17	9/18/17 15:24	BGL
Fluorene	ND	0.29	mg/Kg dry	1		SW-846 8270D	9/15/17	9/18/17 15:24	BGL
Indeno(1,2,3-cd)pyrene	0.54	0.29	mg/Kg dry	1		SW-846 8270D	9/15/17	9/18/17 15:24	BGL
2-Methylnaphthalene	ND	0.29	mg/Kg dry	1		SW-846 8270D	9/15/17	9/18/17 15:24	BGL
Naphthalene	ND	0.29	mg/Kg dry	1		SW-846 8270D	9/15/17	9/18/17 15:24	BGL
Phenanthrene	0.47	0.29	mg/Kg dry	1		SW-846 8270D	9/15/17	9/18/17 15:24	BGL
Pyrene	1.6	0.29	mg/Kg dry	1		SW-846 8270D	9/15/17	9/18/17 15:24	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Nitrobenzene-d5	55.7	30-130		9/18/17 15:24
2-Fluorobiphenyl	61.4	30-130		9/18/17 15:24
p-Terphenyl-d14	66.5	30-130		9/18/17 15:24

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0320

Date Received: 9/8/2017

Field Sample #: WS-AOC-12W-SO-109-1 Sampled: 9/8/2017 13:04

Sample ID: 17I0320-19

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.14	mg/Kg dry	4		SW-846 8082A	9/15/17	9/22/17 1:46	KAL
Aroclor-1221 [1]	ND	0.14	mg/Kg dry	4		SW-846 8082A	9/15/17	9/22/17 1:46	KAL
Aroclor-1232 [1]	ND	0.14	mg/Kg dry	4		SW-846 8082A	9/15/17	9/22/17 1:46	KAL
Aroclor-1242 [1]	ND	0.14	mg/Kg dry	4		SW-846 8082A	9/15/17	9/22/17 1:46	KAL
Aroclor-1248 [1]	ND	0.14	mg/Kg dry	4		SW-846 8082A	9/15/17	9/22/17 1:46	KAL
Aroclor-1254 [1]	ND	0.14	mg/Kg dry	4		SW-846 8082A	9/15/17	9/22/17 1:46	KAL
Aroclor-1260 [1]	ND	0.14	mg/Kg dry	4		SW-846 8082A	9/15/17	9/22/17 1:46	KAL
Aroclor-1262 [1]	ND	0.14	mg/Kg dry	4		SW-846 8082A	9/15/17	9/22/17 1:46	KAL
Aroclor-1268 [1]	ND	0.14	mg/Kg dry	4		SW-846 8082A	9/15/17	9/22/17 1:46	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	88.2	30-150		9/22/17 1:46
Decachlorobiphenyl [2]	104	30-150		9/22/17 1:46
Tetrachloro-m-xylene [1]	106	30-150		9/22/17 1:46
Tetrachloro-m-xylene [2]	95.8	30-150		9/22/17 1:46

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0320

Date Received: 9/8/2017

Field Sample #: WS-AOC-12W-SO-109-1 Sampled: 9/8/2017 13:04

Sample ID: 17I0320-19

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	240	85	mg/Kg dry	5		CTDEP ETPH	9/15/17	9/19/17 18:38	SCS

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
o-Terphenyl	50.1	50-150		9/19/17 18:38

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0320

Date Received: 9/8/2017

Field Sample #: WS-AOC-12W-SO-109-1 Sampled: 9/8/2017 13:04

Sample ID: 17I0320-19

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	58.6		% Wt	1		SM 2540G	9/14/17	9/15/17 8:05	MRL

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0320

Date Received: 9/8/2017

Field Sample #: WS-AOC-12W-SO-109-2 Sampled: 9/8/2017 13:05

Sample ID: 17I0320-20

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.14	mg/Kg dry	4		SW-846 8082A	9/15/17	9/22/17 2:03	KAL
Aroclor-1221 [1]	ND	0.14	mg/Kg dry	4		SW-846 8082A	9/15/17	9/22/17 2:03	KAL
Aroclor-1232 [1]	ND	0.14	mg/Kg dry	4		SW-846 8082A	9/15/17	9/22/17 2:03	KAL
Aroclor-1242 [1]	ND	0.14	mg/Kg dry	4		SW-846 8082A	9/15/17	9/22/17 2:03	KAL
Aroclor-1248 [1]	ND	0.14	mg/Kg dry	4		SW-846 8082A	9/15/17	9/22/17 2:03	KAL
Aroclor-1254 [1]	ND	0.14	mg/Kg dry	4		SW-846 8082A	9/15/17	9/22/17 2:03	KAL
Aroclor-1260 [1]	ND	0.14	mg/Kg dry	4		SW-846 8082A	9/15/17	9/22/17 2:03	KAL
Aroclor-1262 [1]	ND	0.14	mg/Kg dry	4		SW-846 8082A	9/15/17	9/22/17 2:03	KAL
Aroclor-1268 [1]	ND	0.14	mg/Kg dry	4		SW-846 8082A	9/15/17	9/22/17 2:03	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	84.4	30-150		9/22/17 2:03
Decachlorobiphenyl [2]	106	30-150		9/22/17 2:03
Tetrachloro-m-xylene [1]	93.4	30-150		9/22/17 2:03
Tetrachloro-m-xylene [2]	87.9	30-150		9/22/17 2:03

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0320

Date Received: 9/8/2017

Field Sample #: WS-AOC-12W-SO-109-2 Sampled: 9/8/2017 13:05

Sample ID: 17I0320-20

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	55.0		% Wt	1		SM 2540G	9/14/17	9/15/17 8:05	MRL

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Sample Extraction Data

Prep Method: SW-846 3546-CTDEP ETPH

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17I0320-04 [WS-AOC-6-SO-10-2]	B186332	30.1	1.00	09/15/17
17I0320-08 [WS-AOC-6-SO-15-2]	B186332	30.2	1.00	09/15/17
17I0320-12 [WS-AOC-6-SO-9-2]	B186332	30.0	1.00	09/15/17
17I0320-16 [WS-AOC-6-SO-14-2]	B186332	30.1	1.00	09/15/17
17I0320-19 [WS-AOC-12W-SO-109-1]	B186332	30.0	1.00	09/15/17

Prep Method: % Solids-SM 2540G

Lab Number [Field ID]	Batch	Date
17I0320-01 [WS-AOC-6-SO-16-3]	B186207	09/14/17
17I0320-02 [WS-AOC-6-SO-16-4]	B186207	09/14/17
17I0320-03 [WS-AOC-6-SO-10-1]	B186207	09/14/17
17I0320-04 [WS-AOC-6-SO-10-2]	B186207	09/14/17
17I0320-05 [WS-AOC-6-SO-10-3]	B186207	09/14/17
17I0320-06 [WS-AOC-6-SO-10-4]	B186207	09/14/17
17I0320-07 [WS-AOC-6-SO-15-1]	B186207	09/14/17
17I0320-08 [WS-AOC-6-SO-15-2]	B186207	09/14/17
17I0320-09 [WS-AOC-6-SO-15-3]	B186207	09/14/17
17I0320-10 [WS-AOC-6-SO-15-4]	B186207	09/14/17
17I0320-11 [WS-AOC-6-SO-9-1]	B186207	09/14/17
17I0320-12 [WS-AOC-6-SO-9-2]	B186207	09/14/17
17I0320-13 [WS-AOC-6-SO-9-3]	B186207	09/14/17
17I0320-14 [WS-AOC-6-SO-9-4]	B186207	09/14/17
17I0320-15 [WS-AOC-6-SO-14-1]	B186207	09/14/17
17I0320-16 [WS-AOC-6-SO-14-2]	B186207	09/14/17
17I0320-17 [WS-AOC-6-SO-14-3]	B186207	09/14/17
17I0320-18 [WS-AOC-6-SO-14-4]	B186207	09/14/17
17I0320-19 [WS-AOC-12W-SO-109-1]	B186207	09/14/17
17I0320-20 [WS-AOC-12W-SO-109-2]	B186207	09/14/17

Prep Method: SW-846 3540C-SW-846 8082A

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17I0320-01 [WS-AOC-6-SO-16-3]	B186354	10.6	10.0	09/15/17
17I0320-02 [WS-AOC-6-SO-16-4]	B186354	10.0	10.0	09/15/17
17I0320-03 [WS-AOC-6-SO-10-1]	B186354	10.1	10.0	09/15/17
17I0320-04 [WS-AOC-6-SO-10-2]	B186354	10.4	10.0	09/15/17
17I0320-05 [WS-AOC-6-SO-10-3]	B186354	10.3	10.0	09/15/17
17I0320-06 [WS-AOC-6-SO-10-4]	B186354	10.3	10.0	09/15/17
17I0320-07 [WS-AOC-6-SO-15-1]	B186354	10.6	10.0	09/15/17
17I0320-08 [WS-AOC-6-SO-15-2]	B186354	10.3	10.0	09/15/17
17I0320-09 [WS-AOC-6-SO-15-3]	B186354	10.4	10.0	09/15/17
17I0320-10 [WS-AOC-6-SO-15-4]	B186354	10.7	10.0	09/15/17
17I0320-11 [WS-AOC-6-SO-9-1]	B186354	10.3	10.0	09/15/17
17I0320-12 [WS-AOC-6-SO-9-2]	B186354	10.0	10.0	09/15/17
17I0320-13 [WS-AOC-6-SO-9-3]	B186354	10.2	10.0	09/15/17
17I0320-14 [WS-AOC-6-SO-9-4]	B186354	10.7	10.0	09/15/17
17I0320-15 [WS-AOC-6-SO-14-1]	B186354	10.3	10.0	09/15/17
17I0320-16 [WS-AOC-6-SO-14-2]	B186354	10.7	10.0	09/15/17
17I0320-17 [WS-AOC-6-SO-14-3]	B186354	10.2	10.0	09/15/17
17I0320-18 [WS-AOC-6-SO-14-4]	B186354	10.1	10.0	09/15/17
17I0320-19 [WS-AOC-12W-SO-109-1]	B186354	10.0	10.0	09/15/17
17I0320-20 [WS-AOC-12W-SO-109-2]	B186354	10.5	10.0	09/15/17

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Sample Extraction Data

Prep Method: SW-846 3546-SW-846 8270D

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17I0320-09 [WS-AOC-6-SO-15-3]	B186330	30.0	1.00	09/15/17
17I0320-19 [WS-AOC-12W-SO-109-1]	B186330	30.0	1.00	09/15/17

con-test® ANALYTICAL LABORATORY

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B186330 - SW-846 3546										
Blank (B186330-BLK1)				Prepared: 09/15/17 Analyzed: 09/18/17						
Acenaphthene	ND	0.17	mg/Kg wet							
Acenaphthylene	ND	0.17	mg/Kg wet							
Anthracene	ND	0.17	mg/Kg wet							
Benzo(a)anthracene	ND	0.17	mg/Kg wet							
Benzo(a)pyrene	ND	0.17	mg/Kg wet							
Benzo(b)fluoranthene	ND	0.17	mg/Kg wet							
Benzo(g,h,i)perylene	ND	0.17	mg/Kg wet							
Benzo(k)fluoranthene	ND	0.17	mg/Kg wet							
Chrysene	ND	0.17	mg/Kg wet							
Dibenz(a,h)anthracene	ND	0.17	mg/Kg wet							
Fluoranthene	ND	0.17	mg/Kg wet							
Fluorene	ND	0.17	mg/Kg wet							
Indeno(1,2,3-cd)pyrene	ND	0.17	mg/Kg wet							
2-Methylnaphthalene	ND	0.17	mg/Kg wet							
Naphthalene	ND	0.17	mg/Kg wet							
Phenanthrene	ND	0.17	mg/Kg wet							
Pyrene	ND	0.17	mg/Kg wet							
Surrogate: Nitrobenzene-d5	*2.21*		mg/Kg wet	3.33		66.2	30-130			
Surrogate: 2-Fluorobiphenyl	*2.58*		mg/Kg wet	3.33		77.3	30-130			
Surrogate: p-Terphenyl-d14	*3.26*		mg/Kg wet	3.33		97.9	30-130			
LCS (B186330-BS1)				Prepared: 09/15/17 Analyzed: 09/18/17						
Acenaphthene	0.884	0.17	mg/Kg wet	1.67		53.1	40-140			
Acenaphthylene	0.912	0.17	mg/Kg wet	1.67		54.7	40-140			
Anthracene	0.978	0.17	mg/Kg wet	1.67		58.7	40-140			
Benzo(a)anthracene	1.03	0.17	mg/Kg wet	1.67		61.7	40-140			
Benzo(a)pyrene	0.993	0.17	mg/Kg wet	1.67		59.6	40-140			
Benzo(b)fluoranthene	0.961	0.17	mg/Kg wet	1.67		57.7	40-140			
Benzo(g,h,i)perylene	1.03	0.17	mg/Kg wet	1.67		62.1	40-140			
Benzo(k)fluoranthene	0.961	0.17	mg/Kg wet	1.67		57.7	40-140			
Chrysene	0.963	0.17	mg/Kg wet	1.67		57.8	40-140			
Dibenz(a,h)anthracene	1.07	0.17	mg/Kg wet	1.67		64.1	40-140			
Fluoranthene	1.02	0.17	mg/Kg wet	1.67		61.5	40-140			
Fluorene	0.994	0.17	mg/Kg wet	1.67		59.7	40-140			
Indeno(1,2,3-cd)pyrene	1.04	0.17	mg/Kg wet	1.67		62.3	40-140			
2-Methylnaphthalene	1.08	0.17	mg/Kg wet	1.67		65.1	40-140			
Naphthalene	1.03	0.17	mg/Kg wet	1.67		61.6	40-140			
Phenanthrene	0.990	0.17	mg/Kg wet	1.67		59.4	40-140			
Pyrene	1.02	0.17	mg/Kg wet	1.67		61.2	40-140			
Surrogate: Nitrobenzene-d5	*2.22*		mg/Kg wet	3.33		66.7	30-130			
Surrogate: 2-Fluorobiphenyl	*2.43*		mg/Kg wet	3.33		73.0	30-130			
Surrogate: p-Terphenyl-d14	*2.58*		mg/Kg wet	3.33		77.3	30-130			

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B186330 - SW-846 3546										
LCS Dup (B186330-BSD1)				Prepared: 09/15/17 Analyzed: 09/18/17						
Acenaphthene	0.965	0.17	mg/Kg wet	1.67		57.9	40-140	8.72	30	
Acenaphthylene	0.990	0.17	mg/Kg wet	1.67		59.4	40-140	8.17	30	
Anthracene	1.05	0.17	mg/Kg wet	1.67		62.9	40-140	6.98	30	
Benzo(a)anthracene	1.14	0.17	mg/Kg wet	1.67		68.3	40-140	10.1	30	
Benzo(a)pyrene	1.09	0.17	mg/Kg wet	1.67		65.5	40-140	9.44	30	
Benzo(b)fluoranthene	1.01	0.17	mg/Kg wet	1.67		60.8	40-140	5.30	30	
Benzo(g,h,i)perylene	1.12	0.17	mg/Kg wet	1.67		66.9	40-140	7.53	30	
Benzo(k)fluoranthene	1.02	0.17	mg/Kg wet	1.67		61.4	40-140	6.28	30	
Chrysene	1.06	0.17	mg/Kg wet	1.67		63.5	40-140	9.46	30	
Dibenz(a,h)anthracene	1.15	0.17	mg/Kg wet	1.67		69.1	40-140	7.48	30	
Fluoranthene	1.10	0.17	mg/Kg wet	1.67		65.7	40-140	6.70	30	
Fluorene	1.06	0.17	mg/Kg wet	1.67		63.8	40-140	6.74	30	
Indeno(1,2,3-cd)pyrene	1.16	0.17	mg/Kg wet	1.67		69.4	40-140	10.7	30	
2-Methylnaphthalene	1.13	0.17	mg/Kg wet	1.67		67.5	40-140	3.68	30	
Naphthalene	1.02	0.17	mg/Kg wet	1.67		61.0	40-140	1.04	30	
Phenanthrene	1.05	0.17	mg/Kg wet	1.67		62.8	40-140	5.63	30	
Pyrene	1.10	0.17	mg/Kg wet	1.67		66.2	40-140	7.85	30	
Surrogate: Nitrobenzene-d5	*2.21*		mg/Kg wet	3.33		66.3	30-130			
Surrogate: 2-Fluorobiphenyl	*2.53*		mg/Kg wet	3.33		75.8	30-130			
Surrogate: p-Terphenyl-d14	*3.76*		mg/Kg wet	3.33		113	30-130			

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QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B186354 - SW-846 3540C										
Blank (B186354-BLK1)				Prepared: 09/15/17 Analyzed: 09/21/17						
Aroclor-1016	ND	0.020	mg/Kg wet							
Aroclor-1016 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1221	ND	0.020	mg/Kg wet							
Aroclor-1221 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1232	ND	0.020	mg/Kg wet							
Aroclor-1232 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1242	ND	0.020	mg/Kg wet							
Aroclor-1242 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1248	ND	0.020	mg/Kg wet							
Aroclor-1248 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1254	ND	0.020	mg/Kg wet							
Aroclor-1254 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1260	ND	0.020	mg/Kg wet							
Aroclor-1260 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1262	ND	0.020	mg/Kg wet							
Aroclor-1262 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1268	ND	0.020	mg/Kg wet							
Aroclor-1268 [2C]	ND	0.020	mg/Kg wet							
Surrogate: Decachlorobiphenyl	*0.171*		mg/Kg wet	0.200		85.3	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.199*		mg/Kg wet	0.200		99.5	30-150			
Surrogate: Tetrachloro-m-xylene	*0.185*		mg/Kg wet	0.200		92.4	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.184*		mg/Kg wet	0.200		92.0	30-150			
LCS (B186354-BS1)				Prepared: 09/15/17 Analyzed: 09/21/17						
Aroclor-1016	0.17	0.020	mg/Kg wet	0.200		84.5	40-140			
Aroclor-1016 [2C]	0.18	0.020	mg/Kg wet	0.200		89.6	40-140			
Aroclor-1260	0.16	0.020	mg/Kg wet	0.200		81.4	40-140			
Aroclor-1260 [2C]	0.16	0.020	mg/Kg wet	0.200		81.4	40-140			
Surrogate: Decachlorobiphenyl	*0.191*		mg/Kg wet	0.200		95.6	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.223*		mg/Kg wet	0.200		111	30-150			
Surrogate: Tetrachloro-m-xylene	*0.194*		mg/Kg wet	0.200		97.2	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.192*		mg/Kg wet	0.200		96.2	30-150			
LCS Dup (B186354-BSD1)				Prepared: 09/15/17 Analyzed: 09/21/17						
Aroclor-1016	0.16	0.020	mg/Kg wet	0.200		78.7	40-140	7.08	30	
Aroclor-1016 [2C]	0.17	0.020	mg/Kg wet	0.200		83.2	40-140	7.30	30	
Aroclor-1260	0.14	0.020	mg/Kg wet	0.200		72.0	40-140	12.2	30	
Aroclor-1260 [2C]	0.15	0.020	mg/Kg wet	0.200		73.0	40-140	10.9	30	
Surrogate: Decachlorobiphenyl	*0.169*		mg/Kg wet	0.200		84.4	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.197*		mg/Kg wet	0.200		98.5	30-150			
Surrogate: Tetrachloro-m-xylene	*0.178*		mg/Kg wet	0.200		88.8	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.178*		mg/Kg wet	0.200		89.2	30-150			

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QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes
Batch B186354 - SW-846 3540C											
Matrix Spike (B186354-MS1)		**Source: 17I0320-03**		Prepared: 09/15/17 Analyzed: 09/22/17							
Aroclor-1016	0.32	0.12	mg/Kg dry	0.294	ND	108		40-140			
Aroclor-1016 [2C]	0.32	0.12	mg/Kg dry	0.294	ND	108		40-140			
Aroclor-1260	0.76	0.12	mg/Kg dry	0.294	0.34	**143**	*	40-140			L-07
Aroclor-1260 [2C]	0.74	0.12	mg/Kg dry	0.294	0.33	140		40-140			
Surrogate: Decachlorobiphenyl	*0.265*		mg/Kg dry	0.294		90.0		30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.306*		mg/Kg dry	0.294		104		30-150			
Surrogate: Tetrachloro-m-xylene	*0.282*		mg/Kg dry	0.294		96.0		30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.272*		mg/Kg dry	0.294		92.5		30-150			
Matrix Spike Dup (B186354-MSD1)		**Source: 17I0320-03**		Prepared: 09/15/17 Analyzed: 09/22/17							
Aroclor-1016	0.34	0.12	mg/Kg dry	0.299	ND	113		40-140	6.37	50	
Aroclor-1016 [2C]	0.34	0.12	mg/Kg dry	0.299	ND	114		40-140	6.62	50	
Aroclor-1260	0.63	0.12	mg/Kg dry	0.299	0.34	97.0		40-140	18.7	50	
Aroclor-1260 [2C]	0.61	0.12	mg/Kg dry	0.299	0.33	95.4		40-140	18.7	50	
Surrogate: Decachlorobiphenyl	*0.255*		mg/Kg dry	0.299		85.4		30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.298*		mg/Kg dry	0.299		99.8		30-150			
Surrogate: Tetrachloro-m-xylene	*0.296*		mg/Kg dry	0.299		99.3		30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.286*		mg/Kg dry	0.299		95.8		30-150			

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QUALITY CONTROL

Petroleum Hydrocarbons Analyses - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B186332 - SW-846 3546										
Blank (B186332-BLK1)				Prepared: 09/15/17 Analyzed: 09/19/17						
CT ETPH	ND	10	mg/Kg wet							
Surrogate: o-Terphenyl	*3.07*		mg/Kg wet	3.33		92.1	50-150			
LCS (B186332-BS1)				Prepared: 09/15/17 Analyzed: 09/19/17						
CT ETPH	28.2	10	mg/Kg wet	33.3		84.7	60-120			
Surrogate: o-Terphenyl	*3.55*		mg/Kg wet	3.33		106	50-150			
LCS Dup (B186332-BSD1)				Prepared: 09/15/17 Analyzed: 09/19/17						
CT ETPH	27.2	10	mg/Kg wet	33.3		81.5	60-120	3.82	30	
Surrogate: o-Terphenyl	*3.40*		mg/Kg wet	3.33		102	50-150			

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC-6-SO-10-1

Lab Sample ID: 17I0320-03

Date(s) Analyzed: 09/21/2017 09/21/2017

Instrument ID (1):

Instrument ID (2):

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	-0.030	0.030	0.34	
	2	0.000	-0.030	0.030	0.33	3.0

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC-6-SO-15-1

Lab Sample ID: 17I0320-07

Date(s) Analyzed: 09/22/2017 09/22/2017

Instrument ID (1):

Instrument ID (2):

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	-0.030	0.030	2.9	
	2	0.000	-0.030	0.030	2.9	0.0

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC-6-SO-15-2

Lab Sample ID: 17I0320-08

Date(s) Analyzed: 09/21/2017 09/21/2017

Instrument ID (1):

Instrument ID (2):

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	-0.030	0.030	0.51	
	2	0.000	-0.030	0.030	0.50	2.0

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC-6-SO-9-1

Lab Sample ID: 17I0320-11

Date(s) Analyzed: 09/22/2017 09/22/2017

Instrument ID (1):

Instrument ID (2):

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	-0.030	0.030	0.094	
	2	0.000	-0.030	0.030	0.10	5.1
Aroclor-1268	1	0.000	-0.030	0.030	0.19	
	2	0.000	-0.030	0.030	0.20	5.1

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC-6-SO-14-1

Lab Sample ID: 17I0320-15

Date(s) Analyzed: 09/22/2017 09/22/2017

Instrument ID (1):

Instrument ID (2):

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1248	1	0.000	-0.030	0.030	0.71	
	2	0.000	-0.030	0.030	0.90	22.2
Aroclor-1260	1	0.000	-0.030	0.030	0.98	
	2	0.000	-0.030	0.030	0.98	0.0

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC-6-SO-14-2

Lab Sample ID: 17I0320-16

Date(s) Analyzed: 09/22/2017 09/22/2017

Instrument ID (1):

Instrument ID (2):

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1248	1	0.000	-0.030	0.030	0.38	
	2	0.000	-0.030	0.030	0.38	0.0
Aroclor-1260	1	0.000	-0.030	0.030	1.4	
	2	0.000	-0.030	0.030	1.4	0.0

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit
DL	Method Detection Limit
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
L-07	Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD between the two LFB/LCS results is within method specified criteria.

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
CTDEP ETPH in Soil	
CT ETPH	CT
SW-846 8082A in Soil	
Aroclor-1016	CT,NH,NY,ME,NC,VA
Aroclor-1016 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1221	CT,NH,NY,ME,NC,VA
Aroclor-1221 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1232	CT,NH,NY,ME,NC,VA
Aroclor-1232 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1242	CT,NH,NY,ME,NC,VA
Aroclor-1242 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1248	CT,NH,NY,ME,NC,VA
Aroclor-1248 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1254	CT,NH,NY,ME,NC,VA
Aroclor-1254 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1260	CT,NH,NY,ME,NC,VA
Aroclor-1260 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1262	NY,NC,VA
Aroclor-1262 [2C]	NY,NC,VA
Aroclor-1268	NY,NC,VA
Aroclor-1268 [2C]	NY,NC,VA
SW-846 8270D in Soil	
Acenaphthene	CT,NY,NH,ME,NC,VA
Acenaphthylene	CT,NY,NH,ME,NC,VA
Anthracene	CT,NY,NH,ME,NC,VA
Benzo(a)anthracene	CT,NY,NH,ME,NC,VA
Benzo(a)pyrene	CT,NY,NH,ME,NC,VA
Benzo(b)fluoranthene	CT,NY,NH,ME,NC,VA
Benzo(g,h,i)perylene	CT,NY,NH,ME,NC,VA
Benzo(k)fluoranthene	CT,NY,NH,ME,NC,VA
Chrysene	CT,NY,NH,ME,NC,VA
Dibenz(a,h)anthracene	CT,NY,NH,ME,NC,VA
Fluoranthene	CT,NY,NH,ME,NC,VA
Fluorene	CT,NY,NH,ME,NC,VA
Indeno(1,2,3-cd)pyrene	CT,NY,NH,ME,NC,VA
2-Methylnaphthalene	CT,NY,NH,ME,NC,VA
Naphthalene	CT,NY,NH,ME,NC,VA
Phenanthrene	CT,NY,NH,ME,NC,VA
Pyrene	CT,NY,NH,ME,NC,VA

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The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2005	100033	02/1/2018
MA	Massachusetts DEP	M-MA100	06/30/2018
CT	Connecticut Department of Publilc Health	PH-0567	09/30/2017
NY	New York State Department of Health	10899 NELAP	04/1/2018
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2018
RI	Rhode Island Department of Health	LAO00112	12/30/2017
NC	North Carolina Div. of Water Quality	652	12/31/2017
NJ	New Jersey DEP	MA007 NELAP	06/30/2018
FL	Florida Department of Health	E871027 NELAP	06/30/2018
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2018
ME	State of Maine	2011028	06/9/2019
VA	Commonwealth of Virginia	460217	12/14/2017
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2017
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2018
NC-DW	North Carolina Department of Health	25703	07/31/2018

17I0320

con-test ANALYTICAL LABORATORY

Phone: 413-525-2332
Fax: 413-525-6405
Email: info@contestlabs.com

http://www.contestlabs.com

Doc # 381 Rev 0 5 8 2015

CHAIN OF CUSTODY RECORD

39 Spruce Street
East Longmeadow, MA 01028

Page _____ of _____

Company Name:	Weston & Sampson Engineers
Address:	273 Dividend Rd Rcoky Hill, CT
Phone:	860 513-1473
Project Name:	English Station
Project Location:	510 Grand Ave, New Haven, CT
Project Number:	2170495
Project Manager:	Malcolm Beeler
Con-Test Bid:	
Invoice Recipient:	Malcolm Beeler (Weston & Sampson)
Sampled By:	Chris Berthiaume/Will Sirotnak

Requested Turnaround Time
7-Day ☑ 10-Day ☐
Other: 5-day ☐

Rush-Approval Required
1-Day ☐ 3-Day ☐
2-Day ☐ 4-Day ☐

Data Delivery
Format: PDF ☑ EXCEL ☑
Other:
Enhanced Data Package Required: ☐
Email To: beelerm@wseinc.com
Fax To #:

ANALYSIS REQUESTED

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	[1]Matrix Code	Conc Code	PCBs Soxhlet	EDB	PAHs										# of Containers / [2] Preservation Code / [3] Container Code
								I												# of Containers
								H												[2] Preservation Code
								A												[3] Container Code
1	WS-AOC-6-SO-16-3	9/8/17	1137		X	S	U	X												
2	WS-AOC-6-SO-16-4		1139					X												
3	WS-AOC-6-SO-10-1		1153					X												
4	WS-AOC-6-SO-10-2		1154					X	X											
5	WS-AOC-6-SO-10-3		1155					X												
6	WS-AOC-6-SO-10-4		1156					X												
7	WS-AOC-6-SO-15-1		1157					X												
8	WS-AOC-6-SO-15-2		1159					X	X											
9	WS-AOC-6-SO-15-3		1159					X		X										
10	WS-AOC-6-SO-15-4		1200					X												

Dissolved Metals Samples
○ Field Filtered
○ Lab to Filter

Orthophosphate Samples
○ Field Filtered
○ Lab to Filter

[1] Matrix Codes:
GW = Ground Water
WW = Waste Water
DW = Drinking Water
A = Air
S = Soil/Solid
SL = Sludge
O = Other (please define)

[2] Preservation Codes:
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium Bisulfate
X = Sodium Hydroxide
T = Sodium Thiosulfate
O = Other (please define)

[3] Container Codes:
A = Amber Glass
G = Glass
P = Plastic
ST = Sterile
V = Vial
S = Summa Canister
T = Tedlar Bag
O = Other (please define)

Comments:

Please hold excess volumes for possible SPLP analyses.

Please use the following codes to indicate possible sample concentration within the Conc Code column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Relinquished by: (signature)	Date/Time: 9/8/17 1520
Received by: (signature)	Date/Time: 9/8/17 1520
Relinquished by: (signature)	Date/Time: 9/8/17 1540
Received by: (signature)	Date/Time: 9/8/17 15:45
Relinquished by: (signature)	Date/Time: 9/8/17 17:08
Received by: (signature)	Date/Time: 9/8/17 1708

Detection Limit Requirements
MA
CT RES DEC
Other:

Program Information
○ MCP Analytical Certification Form Required
● RCP Analysis Certification Form Required
○ MA State DW Form Required
PWSID # _____

NELAC and AIHA-LAP, LLC Accredited

TURNAROUND TIME (BUSINESS DAYS) STARTS AT 9:00 AM THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON THIS CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR IS INCORRECT, TURNAROUND TIME CANNOT START UNTIL ALL QUESTIONS HAVE BEEN ANSWERED.

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ANALYSIS REQUESTED

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	[1]Matrix Code	Conc Code	# of Containers	[2] Preservation Code	[3] Container Code	RCB, Soxhlet	ETPH	PAHs
11	WS-AOC-6-SO-9-1	9/8/17	1207		X	S	U				X		
12	WS-AOC-6-SO-9-2	↓	1205		↓	↓	↓				X	X	
13	WS-AOC-6-SO-9-3		1209								X		
14	WS-AOC-6-SO-9-4		1210								X		
15	WS-AOC-6-SO-14-1		1226								X		
16	WS-AOC-6-SO-14-2		1227								X	X	
17	WS-AOC-6-SO-14-3		1228								X		
18	WS-AOC-6-SO-14-4		1229								X		
19	WS-AOC-12W-SO-109-1		1304								X	X	X
20	WS-AOC-12W-SO-109-2	↓	1305		↓	↓	↓				X		

Dissolved Metals Samples
○ Field Filtered
○ Lab to Filter

Orthophosphate Samples
○ Field Filtered
○ Lab to Filter

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Received by: (signature)	Date/Time: 9/8/17 15:40
Relinquished by: (signature)	Date/Time: 9/8/17 17:07
Received by: (signature)	Date/Time: 9/8/17 1708

Detection Limit Requirements
MA
CT RES DEC
Other:

Program Information
○ MCP Analytical Certification Form Required
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○ MA State DW Form Required
PWSID # _____

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Doc# 277 Rev 5 2017

Login Sample Receipt Checklist - (Rejection Criteria Listing - Using Acceptance Policy) Any False Statement will be brought to the attention of the Client - State True or False

Client Weston & Sampson

Received By JM Date 9/8/17 Time 1708

How were the samples received? In Cooler T No Cooler ____ On Ice T No Ice ____
Direct from Sampling ____ Ambient ____ Melted Ice ____

Were samples within Temperature? 2-6°C T By Gun # 1 Actual Temp - 3.3, 5.6
By Blank # ____ Actual Temp - ____

Was Custody Seal Intact? N/A Were Samples Tampered with? N/A
Was COC Relinquished ? T Does Chain Agree With Samples? T
Are there broken/leaking/loose caps on any samples? F
Is COC in ink/ Legible? T Were samples received within holding time? T
Did COC include all pertinent Information? Client T Analysis T Sampler Name T
Project T ID's T Collection Dates/Times T
Are Sample labels filled out and legible? T
Are there Lab to Filters? N/A Who was notified? ____
Are there Rushes? N/A Who was notified? ____
Are there Short Holds? N/A Who was notified? ____
Is there enough Volume? T
Is there Headspace where applicable? N/A MS/MSD? N/A
Proper Media/Containers Used? T Is splitting samples required? N/A
Were trip blanks received? N/A On COC? N/A
Do all samples have the proper pH? N/A Acid ____ Base ____

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.	
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear	70
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear	
Bisulfate-		Col./Bacteria		Flashpoint		2oz Amb/Clear	
DI-		Other Plastic		Other Glass		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Unused Media

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.	
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear	
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear	
Bisulfate-		Col./Bacteria		Flashpoint		2oz Amb/Clear	
DI-		Other Plastic		Other Glass		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Comments: