17H1208

con-test ANALYTICAL LABORATORY

Phone: 413-525-2332
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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	# of Containers	[2] Preservation Code	[3] Container Code
11	WS-AOC-9-AS-36	8/22/17	1230		X	O	U	X			
12	WS-AOC-9-AS-38		1240		↓	↓	↓	↓			
13	WS-AOC-9-AS-39		1250								
14	WS-AOC-9-AS-41		1300								
15	WS-AOC-9-CO-42		1310								
16	WS-AOC-9-CO-43		1320								
17	WS-AOC-9-CO-DUP-15		—								
18	WS-AOC-9-CO-65		1330								
19	WS-AOC-9-CO-66		1340								
20	WS-AOC-9-CO-67		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) Potable 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:
WS-AOC-9-CO-42 is MS/MSD,

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: 8/22/17 1500
Received by: (signature)	Date/Time: 8/22/17 3PM
Relinquished by: (signature)	Date/Time: 8/22/17 1615
Received by: (signature) 3-8	Date/Time: 8/22/17 1615
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:

Detection Limit Requirements
MA
CT 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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NELAC and AIHA-LAP, LLC Accredited

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# 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 - 3.8
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? F
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	
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear	22
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:

Recieved Equipment blanks not on COC.

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: 17H1208

Laboratory Sample ID(s):

17H1208-01 thru 17H1208-22

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: Lisa Worthington **Position:** **Project Manager**

Printed Name: **Lisa A. Worthington** **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

October 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: 17I0378

Enclosed are results of analyses for samples received by the laboratory on September 11, 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: 10/19/2017

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 2170495

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 17I0378

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-27-1	17I0378-01	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 8082A	
WS-AOC15-SO-27-2	17I0378-02	Soil		SM 2540G	
				SW-846 8082A	
WS-AOC15-SO-27-3	17I0378-03	Soil		SM 2540G	
				SW-846 8082A	
WS-AOC-9-SO-29-1	17I0378-04	Soil		SM 2540G	
				SW-846 8082A	
WS-AOC-9-SO-29-2	17I0378-05	Soil		SM 2540G	
				SW-846 8082A	
WS-AOC-9-SO-29-3	17I0378-06	Soil		SM 2540G	
				SW-846 8082A	
WS-AOC-9-SO-29-4	17I0378-07	Soil		SM 2540G	
				SW-846 8082A	
WS-AOC-12W-SO-112-1	17I0378-08	Soil		SM 2540G	
				SW-846 8082A	
WS-AOC-12W-SO-112-2	17I0378-09	Soil		SM 2540G	
				SW-846 8082A	
WS-AOC-12W-SO-112-3	17I0378-10	Soil		SM 2540G	
				SW-846 8082A	
WS-AOC-12W-SO-111-1	17I0378-11	Soil		SM 2540G	
				SW-846 8082A	
WS-AOC-12W-SO-111-2	17I0378-12	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 8082A	
WS-AOC-12W-SO-111-3	17I0378-13	Soil		SM 2540G	
				SW-846 6010C-D	
				SW-846 8082A	
WS-AOC-12W-SO-105-1	17I0378-14	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 8082A	
WS-AOC-12W-SO-105-2	17I0378-15	Soil		SM 2540G	
				SW-846 8082A	
WS-AOC-12W-SO-105-3	17I0378-16	Soil		SM 2540G	
				SW-846 8082A	
WS-AOC-12W-SO-110-1	17I0378-17	Soil		SM 2540G	
				SW-846 8082A	
WS-AOC-12W-SO-110-2	17I0378-18	Soil		SM 2540G	
				SW-846 8082A	

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

REPORT DATE: 10/19/2017

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 2170495

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 17I0378

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-110-3	17I0378-19	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 8082A	
WS-AOC-12W-SO-103-1	17I0378-20	Soil		CTDEP ETPH	
				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.

REVISED REPORT - 10/19/2017 - 17I0378-01 through -03 IDs revised.

For method 6010, only As was requested and reported.

CTDEP ETPH

Qualifications:

MS-09

Matrix spike recovery and/or matrix spike duplicate recovery outside of control limits. Possibility of sample matrix effects that lead to a low bias for reported result or non-homogeneous sample aliquots cannot be eliminated.

Analyte & Samples(s) Qualified:

CT ETPH

17I0378-12[WS-AOC-12W-SO-111-2], B186472-MS1, B186472-MSD1

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

17I0378-01[WS-AOC15-SO-27-1]

SW-846 8082A

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:

Decachlorobiphenyl

17I0378-04[WS-AOC-9-SO-29-1], 17I0378-05[WS-AOC-9-SO-29-2]

Decachlorobiphenyl [2C]

17I0378-04[WS-AOC-9-SO-29-1], 17I0378-05[WS-AOC-9-SO-29-2]

Tetrachloro-m-xylene

17I0378-04[WS-AOC-9-SO-29-1], 17I0378-05[WS-AOC-9-SO-29-2]

Tetrachloro-m-xylene [2C]

17I0378-04[WS-AOC-9-SO-29-1], 17I0378-05[WS-AOC-9-SO-29-2]

SW-846 6010C/D SW-846 6020A/B

For NC, Metals methods SW-846 6010D and SW-846 6020B are followed, and for all other states methods SW-846 6010C and SW-846 6020A are followed.

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.

Meghan E. Kelley
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: 17I0378

Date Received: 9/11/2017

Field Sample #: WS-AOC15-SO-27-1 Sampled: 9/11/2017 11:29

Sample ID: 17I0378-01

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	9/18/17	9/21/17 17:45	KAL
Aroclor-1221 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	9/18/17	9/21/17 17:45	KAL
Aroclor-1232 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	9/18/17	9/21/17 17:45	KAL
Aroclor-1242 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	9/18/17	9/21/17 17:45	KAL
Aroclor-1248 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	9/18/17	9/21/17 17:45	KAL
Aroclor-1254 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	9/18/17	9/21/17 17:45	KAL
Aroclor-1260 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	9/18/17	9/21/17 17:45	KAL
Aroclor-1262 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	9/18/17	9/21/17 17:45	KAL
Aroclor-1268 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	9/18/17	9/21/17 17:45	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	72.5	30-150		9/21/17 17:45
Decachlorobiphenyl [2]	84.7	30-150		9/21/17 17:45
Tetrachloro-m-xylene [1]	86.2	30-150		9/21/17 17:45
Tetrachloro-m-xylene [2]	85.6	30-150		9/21/17 17:45

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0378

Date Received: 9/11/2017

Field Sample #: WS-AOC15-SO-27-1 Sampled: 9/11/2017 11:29

Sample ID: 17I0378-01

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	2200	570	mg/Kg dry	50		CTDEP ETPH	9/18/17	9/20/17 19:48	SCS

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
o-Terphenyl	*	50-150	S-01	9/20/17 19:48

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0378

Date Received: 9/11/2017

Field Sample #: WS-AOC15-SO-27-1 Sampled: 9/11/2017 11:29

Sample ID: 17I0378-01

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	9/18/17	9/19/17 8:23	MRL

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0378

Date Received: 9/11/2017

Field Sample #: WS-AOC15-SO-27-2 Sampled: 9/11/2017 11:30

Sample ID: 17I0378-02

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	9/18/17	9/21/17 18:02	KAL
Aroclor-1221 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	9/18/17	9/21/17 18:02	KAL
Aroclor-1232 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	9/18/17	9/21/17 18:02	KAL
Aroclor-1242 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	9/18/17	9/21/17 18:02	KAL
Aroclor-1248 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	9/18/17	9/21/17 18:02	KAL
Aroclor-1254 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	9/18/17	9/21/17 18:02	KAL
Aroclor-1260 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	9/18/17	9/21/17 18:02	KAL
Aroclor-1262 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	9/18/17	9/21/17 18:02	KAL
Aroclor-1268 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	9/18/17	9/21/17 18:02	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	81.2	30-150		9/21/17 18:02
Decachlorobiphenyl [2]	98.5	30-150		9/21/17 18:02
Tetrachloro-m-xylene [1]	87.0	30-150		9/21/17 18:02
Tetrachloro-m-xylene [2]	88.7	30-150		9/21/17 18:02

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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: 17I0378

Date Received: 9/11/2017

Field Sample #: WS-AOC15-SO-27-2 Sampled: 9/11/2017 11:30

Sample ID: 17I0378-02

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	81.6		% Wt	1		SM 2540G	9/18/17	9/19/17 8:23	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: 17I0378

Date Received: 9/11/2017

Field Sample #: WS-AOC15-SO-27-3 Sampled: 9/11/2017 11:31

Sample ID: 17I0378-03

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	9/18/17	9/21/17 18:20	KAL
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	9/18/17	9/21/17 18:20	KAL
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	9/18/17	9/21/17 18:20	KAL
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	9/18/17	9/21/17 18:20	KAL
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	9/18/17	9/21/17 18:20	KAL
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	9/18/17	9/21/17 18:20	KAL
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	9/18/17	9/21/17 18:20	KAL
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	9/18/17	9/21/17 18:20	KAL
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	9/18/17	9/21/17 18:20	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	70.6	30-150		9/21/17 18:20
Decachlorobiphenyl [2]	90.2	30-150		9/21/17 18:20
Tetrachloro-m-xylene [1]	82.1	30-150		9/21/17 18:20
Tetrachloro-m-xylene [2]	79.8	30-150		9/21/17 18:20

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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: 17I0378

Date Received: 9/11/2017

Field Sample #: WS-AOC15-SO-27-3 Sampled: 9/11/2017 11:31

Sample ID: 17I0378-03

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	72.1		% Wt	1		SM 2540G	9/18/17	9/19/17 8:23	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: 17I0378

Date Received: 9/11/2017

Field Sample #: WS-AOC-9-SO-29-1 Sampled: 9/11/2017 11:46

Sample ID: 17I0378-04

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	9.1	mg/Kg dry	400		SW-846 8082A	9/18/17	9/22/17 7:56	KAL
Aroclor-1221 [1]	ND	9.1	mg/Kg dry	400		SW-846 8082A	9/18/17	9/22/17 7:56	KAL
Aroclor-1232 [1]	ND	9.1	mg/Kg dry	400		SW-846 8082A	9/18/17	9/22/17 7:56	KAL
Aroclor-1242 [1]	ND	9.1	mg/Kg dry	400		SW-846 8082A	9/18/17	9/22/17 7:56	KAL
Aroclor-1248 [1]	ND	9.1	mg/Kg dry	400		SW-846 8082A	9/18/17	9/22/17 7:56	KAL
Aroclor-1254 [1]	ND	9.1	mg/Kg dry	400		SW-846 8082A	9/18/17	9/22/17 7:56	KAL
Aroclor-1260 [2]	78	9.1	mg/Kg dry	400		SW-846 8082A	9/18/17	9/22/17 7:56	KAL
Aroclor-1262 [1]	ND	9.1	mg/Kg dry	400		SW-846 8082A	9/18/17	9/22/17 7:56	KAL
Aroclor-1268 [1]	ND	9.1	mg/Kg dry	400		SW-846 8082A	9/18/17	9/22/17 7:56	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	*	30-150	S-01	9/22/17 7:56
Decachlorobiphenyl [2]	*	30-150	S-01	9/22/17 7:56
Tetrachloro-m-xylene [1]	*	30-150	S-01	9/22/17 7:56
Tetrachloro-m-xylene [2]	*	30-150	S-01	9/22/17 7:56

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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: 17I0378

Date Received: 9/11/2017

Field Sample #: WS-AOC-9-SO-29-1 Sampled: 9/11/2017 11:46

Sample ID: 17I0378-04

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	88.1		% Wt	1		SM 2540G	9/18/17	9/19/17 8:23	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: 17I0378

Date Received: 9/11/2017

Field Sample #: WS-AOC-9-SO-29-2 Sampled: 9/11/2017 11:47

Sample ID: 17I0378-05

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	0.89	mg/Kg dry	40		SW-846 8082A	9/18/17	9/22/17 8:08	KAL
Aroclor-1221 [1]	ND	0.89	mg/Kg dry	40		SW-846 8082A	9/18/17	9/22/17 8:08	KAL
Aroclor-1232 [1]	ND	0.89	mg/Kg dry	40		SW-846 8082A	9/18/17	9/22/17 8:08	KAL
Aroclor-1242 [1]	ND	0.89	mg/Kg dry	40		SW-846 8082A	9/18/17	9/22/17 8:08	KAL
Aroclor-1248 [1]	ND	0.89	mg/Kg dry	40		SW-846 8082A	9/18/17	9/22/17 8:08	KAL
Aroclor-1254 [1]	ND	0.89	mg/Kg dry	40		SW-846 8082A	9/18/17	9/22/17 8:08	KAL
Aroclor-1260 [2]	5.9	0.89	mg/Kg dry	40		SW-846 8082A	9/18/17	9/22/17 8:08	KAL
Aroclor-1262 [1]	ND	0.89	mg/Kg dry	40		SW-846 8082A	9/18/17	9/22/17 8:08	KAL
Aroclor-1268 [1]	ND	0.89	mg/Kg dry	40		SW-846 8082A	9/18/17	9/22/17 8:08	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	*	30-150	S-01	9/22/17 8:08
Decachlorobiphenyl [2]	*	30-150	S-01	9/22/17 8:08
Tetrachloro-m-xylene [1]	*	30-150	S-01	9/22/17 8:08
Tetrachloro-m-xylene [2]	*	30-150	S-01	9/22/17 8:08

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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: 17I0378

Date Received: 9/11/2017

Field Sample #: WS-AOC-9-SO-29-2 Sampled: 9/11/2017 11:47

Sample ID: 17I0378-05

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	90.3		% Wt	1		SM 2540G	9/18/17	9/19/17 8:23	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: 17I0378

Date Received: 9/11/2017

Field Sample #: WS-AOC-9-SO-29-3 Sampled: 9/11/2017 11:48

Sample ID: 17I0378-06

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	9/18/17	9/21/17 19:12	KAL
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	9/18/17	9/21/17 19:12	KAL
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	9/18/17	9/21/17 19:12	KAL
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	9/18/17	9/21/17 19:12	KAL
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	9/18/17	9/21/17 19:12	KAL
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	9/18/17	9/21/17 19:12	KAL
Aroclor-1260 [2]	0.11	0.11	mg/Kg dry	4		SW-846 8082A	9/18/17	9/21/17 19:12	KAL
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	9/18/17	9/21/17 19:12	KAL
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	9/18/17	9/21/17 19:12	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	86.1	30-150		9/21/17 19:12
Decachlorobiphenyl [2]	101	30-150		9/21/17 19:12
Tetrachloro-m-xylene [1]	91.9	30-150		9/21/17 19:12
Tetrachloro-m-xylene [2]	91.0	30-150		9/21/17 19:12

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0378

Date Received: 9/11/2017

Field Sample #: WS-AOC-9-SO-29-3 Sampled: 9/11/2017 11:48

Sample ID: 17I0378-06

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	70.4		% Wt	1		SM 2540G	9/18/17	9/19/17 8:23	MRL

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0378

Date Received: 9/11/2017

Field Sample #: WS-AOC-9-SO-29-4 Sampled: 9/11/2017 11:49

Sample ID: 17I0378-07

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	0.12	mg/Kg dry	4		SW-846 8082A	9/18/17	9/21/17 19:30	KAL
Aroclor-1221 [1]	ND	0.12	mg/Kg dry	4		SW-846 8082A	9/18/17	9/21/17 19:30	KAL
Aroclor-1232 [1]	ND	0.12	mg/Kg dry	4		SW-846 8082A	9/18/17	9/21/17 19:30	KAL
Aroclor-1242 [1]	ND	0.12	mg/Kg dry	4		SW-846 8082A	9/18/17	9/21/17 19:30	KAL
Aroclor-1248 [1]	ND	0.12	mg/Kg dry	4		SW-846 8082A	9/18/17	9/21/17 19:30	KAL
Aroclor-1254 [1]	ND	0.12	mg/Kg dry	4		SW-846 8082A	9/18/17	9/21/17 19:30	KAL
Aroclor-1260 [1]	ND	0.12	mg/Kg dry	4		SW-846 8082A	9/18/17	9/21/17 19:30	KAL
Aroclor-1262 [1]	ND	0.12	mg/Kg dry	4		SW-846 8082A	9/18/17	9/21/17 19:30	KAL
Aroclor-1268 [1]	ND	0.12	mg/Kg dry	4		SW-846 8082A	9/18/17	9/21/17 19:30	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	87.1	30-150		9/21/17 19:30
Decachlorobiphenyl [2]	107	30-150		9/21/17 19:30
Tetrachloro-m-xylene [1]	91.4	30-150		9/21/17 19:30
Tetrachloro-m-xylene [2]	91.3	30-150		9/21/17 19:30

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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: 17I0378

Date Received: 9/11/2017

Field Sample #: WS-AOC-9-SO-29-4 Sampled: 9/11/2017 11:49

Sample ID: 17I0378-07

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	68.2		% Wt	1		SM 2540G	9/18/17	9/19/17 8:23	MRL

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0378

Date Received: 9/11/2017

Field Sample #: WS-AOC-12W-SO-112-1 Sampled: 9/11/2017 12:15

Sample ID: 17I0378-08

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	0.083	mg/Kg dry	4		SW-846 8082A	9/18/17	9/21/17 19:47	KAL
Aroclor-1221 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	9/18/17	9/21/17 19:47	KAL
Aroclor-1232 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	9/18/17	9/21/17 19:47	KAL
Aroclor-1242 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	9/18/17	9/21/17 19:47	KAL
Aroclor-1248 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	9/18/17	9/21/17 19:47	KAL
Aroclor-1254 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	9/18/17	9/21/17 19:47	KAL
Aroclor-1260 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	9/18/17	9/21/17 19:47	KAL
Aroclor-1262 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	9/18/17	9/21/17 19:47	KAL
Aroclor-1268 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	9/18/17	9/21/17 19:47	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	82.5	30-150		9/21/17 19:47
Decachlorobiphenyl [2]	92.3	30-150		9/21/17 19:47
Tetrachloro-m-xylene [1]	91.0	30-150		9/21/17 19:47
Tetrachloro-m-xylene [2]	92.9	30-150		9/21/17 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: 17I0378

Date Received: 9/11/2017

Field Sample #: WS-AOC-12W-SO-112-1 Sampled: 9/11/2017 12:15

Sample ID: 17I0378-08

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	94.0		% Wt	1		SM 2540G	9/18/17	9/19/17 8:23	MRL

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0378

Date Received: 9/11/2017

Field Sample #: WS-AOC-12W-SO-112-2 Sampled: 9/11/2017 12:16

Sample ID: 17I0378-09

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	0.086	mg/Kg dry	4		SW-846 8082A	9/18/17	9/21/17 20:05	KAL
Aroclor-1221 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	9/18/17	9/21/17 20:05	KAL
Aroclor-1232 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	9/18/17	9/21/17 20:05	KAL
Aroclor-1242 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	9/18/17	9/21/17 20:05	KAL
Aroclor-1248 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	9/18/17	9/21/17 20:05	KAL
Aroclor-1254 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	9/18/17	9/21/17 20:05	KAL
Aroclor-1260 [1]	0.12	0.086	mg/Kg dry	4		SW-846 8082A	9/18/17	9/21/17 20:05	KAL
Aroclor-1262 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	9/18/17	9/21/17 20:05	KAL
Aroclor-1268 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	9/18/17	9/21/17 20:05	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	63.5	30-150		9/21/17 20:05
Decachlorobiphenyl [2]	80.5	30-150		9/21/17 20:05
Tetrachloro-m-xylene [1]	72.3	30-150		9/21/17 20:05
Tetrachloro-m-xylene [2]	72.9	30-150		9/21/17 20:05

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0378

Date Received: 9/11/2017

Field Sample #: WS-AOC-12W-SO-112-2 Sampled: 9/11/2017 12:16

Sample ID: 17I0378-09

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	93.3		% Wt	1		SM 2540G	9/18/17	9/19/17 8:23	MRL

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0378

Date Received: 9/11/2017

Field Sample #: WS-AOC-12W-SO-112-3 Sampled: 9/11/2017 12:17

Sample ID: 17I0378-10

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	0.091	mg/Kg dry	4		SW-846 8082A	9/18/17	9/21/17 20:22	KAL
Aroclor-1221 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	9/18/17	9/21/17 20:22	KAL
Aroclor-1232 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	9/18/17	9/21/17 20:22	KAL
Aroclor-1242 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	9/18/17	9/21/17 20:22	KAL
Aroclor-1248 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	9/18/17	9/21/17 20:22	KAL
Aroclor-1254 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	9/18/17	9/21/17 20:22	KAL
Aroclor-1260 [2]	0.16	0.091	mg/Kg dry	4		SW-846 8082A	9/18/17	9/21/17 20:22	KAL
Aroclor-1262 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	9/18/17	9/21/17 20:22	KAL
Aroclor-1268 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	9/18/17	9/21/17 20:22	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	71.0	30-150		9/21/17 20:22
Decachlorobiphenyl [2]	81.2	30-150		9/21/17 20:22
Tetrachloro-m-xylene [1]	77.7	30-150		9/21/17 20:22
Tetrachloro-m-xylene [2]	80.2	30-150		9/21/17 20:22

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: 17I0378

Date Received: 9/11/2017

Field Sample #: WS-AOC-12W-SO-112-3 Sampled: 9/11/2017 12:17

Sample ID: 17I0378-10

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	87.2		% Wt	1		SM 2540G	9/18/17	9/19/17 8:23	MRL

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0378

Date Received: 9/11/2017

Field Sample #: WS-AOC-12W-SO-111-1 Sampled: 9/11/2017 09:35

Sample ID: 17I0378-11

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	0.084	mg/Kg dry	4		SW-846 8082A	9/18/17	9/21/17 20:39	KAL
Aroclor-1221 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	9/18/17	9/21/17 20:39	KAL
Aroclor-1232 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	9/18/17	9/21/17 20:39	KAL
Aroclor-1242 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	9/18/17	9/21/17 20:39	KAL
Aroclor-1248 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	9/18/17	9/21/17 20:39	KAL
Aroclor-1254 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	9/18/17	9/21/17 20:39	KAL
Aroclor-1260 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	9/18/17	9/21/17 20:39	KAL
Aroclor-1262 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	9/18/17	9/21/17 20:39	KAL
Aroclor-1268 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	9/18/17	9/21/17 20:39	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	77.3	30-150		9/21/17 20:39
Decachlorobiphenyl [2]	84.5	30-150		9/21/17 20:39
Tetrachloro-m-xylene [1]	87.9	30-150		9/21/17 20:39
Tetrachloro-m-xylene [2]	92.0	30-150		9/21/17 20:39

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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: 17I0378

Date Received: 9/11/2017

Field Sample #: WS-AOC-12W-SO-111-1 Sampled: 9/11/2017 09:35

Sample ID: 17I0378-11

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	93.2		% Wt	1		SM 2540G	9/18/17	9/19/17 8:23	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: 17I0378

Date Received: 9/11/2017

Field Sample #: WS-AOC-12W-SO-111-2 Sampled: 9/11/2017 09:36

Sample ID: 17I0378-12

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	0.083	mg/Kg dry	4		SW-846 8082A	9/18/17	9/21/17 20:57	KAL
Aroclor-1221 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	9/18/17	9/21/17 20:57	KAL
Aroclor-1232 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	9/18/17	9/21/17 20:57	KAL
Aroclor-1242 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	9/18/17	9/21/17 20:57	KAL
Aroclor-1248 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	9/18/17	9/21/17 20:57	KAL
Aroclor-1254 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	9/18/17	9/21/17 20:57	KAL
Aroclor-1260 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	9/18/17	9/21/17 20:57	KAL
Aroclor-1262 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	9/18/17	9/21/17 20:57	KAL
Aroclor-1268 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	9/18/17	9/21/17 20:57	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	79.9	30-150		9/21/17 20:57
Decachlorobiphenyl [2]	86.0	30-150		9/21/17 20:57
Tetrachloro-m-xylene [1]	90.0	30-150		9/21/17 20:57
Tetrachloro-m-xylene [2]	97.9	30-150		9/21/17 20:57

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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: 17I0378

Date Received: 9/11/2017

Field Sample #: WS-AOC-12W-SO-111-2 Sampled: 9/11/2017 09:36

Sample ID: 17I0378-12

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	91	52	mg/Kg dry	5	MS-09	CTDEP ETPH	9/18/17	9/20/17 1:43	SCS

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
o-Terphenyl	83.2	50-150		9/20/17 1:43

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: 17I0378

Date Received: 9/11/2017

Field Sample #: WS-AOC-12W-SO-111-2 Sampled: 9/11/2017 09:36

Sample ID: 17I0378-12

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	96.6		% Wt	1		SM 2540G	9/18/17	9/19/17 8:23	MRL

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0378

Date Received: 9/11/2017

Field Sample #: WS-AOC-12W-SO-111-3 Sampled: 9/11/2017 09:37

Sample ID: 17I0378-13

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	0.082	mg/Kg dry	4		SW-846 8082A	9/18/17	9/21/17 23:04	KAL
Aroclor-1221 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	9/18/17	9/21/17 23:04	KAL
Aroclor-1232 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	9/18/17	9/21/17 23:04	KAL
Aroclor-1242 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	9/18/17	9/21/17 23:04	KAL
Aroclor-1248 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	9/18/17	9/21/17 23:04	KAL
Aroclor-1254 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	9/18/17	9/21/17 23:04	KAL
Aroclor-1260 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	9/18/17	9/21/17 23:04	KAL
Aroclor-1262 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	9/18/17	9/21/17 23:04	KAL
Aroclor-1268 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	9/18/17	9/21/17 23:04	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	88.8	30-150		9/21/17 23:04
Decachlorobiphenyl [2]	97.1	30-150		9/21/17 23:04
Tetrachloro-m-xylene [1]	93.3	30-150		9/21/17 23:04
Tetrachloro-m-xylene [2]	96.5	30-150		9/21/17 23:04

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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: 17I0378

Date Received: 9/11/2017

Field Sample #: WS-AOC-12W-SO-111-3 Sampled: 9/11/2017 09:37

Sample ID: 17I0378-13

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	ND	2.4	mg/Kg dry	1		SW-846 6010C-D	9/18/17	9/19/17 13:58	QNW

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0378

Date Received: 9/11/2017

Field Sample #: WS-AOC-12W-SO-111-3 Sampled: 9/11/2017 09:37

Sample ID: 17I0378-13

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	96.2		% Wt	1		SM 2540G	9/18/17	9/19/17 8:23	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: 17I0378

Date Received: 9/11/2017

Field Sample #: WS-AOC-12W-SO-105-1 Sampled: 9/11/2017 09:38

Sample ID: 17I0378-14

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	0.091	mg/Kg dry	4		SW-846 8082A	9/18/17	9/21/17 23:21	KAL
Aroclor-1221 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	9/18/17	9/21/17 23:21	KAL
Aroclor-1232 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	9/18/17	9/21/17 23:21	KAL
Aroclor-1242 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	9/18/17	9/21/17 23:21	KAL
Aroclor-1248 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	9/18/17	9/21/17 23:21	KAL
Aroclor-1254 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	9/18/17	9/21/17 23:21	KAL
Aroclor-1260 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	9/18/17	9/21/17 23:21	KAL
Aroclor-1262 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	9/18/17	9/21/17 23:21	KAL
Aroclor-1268 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	9/18/17	9/21/17 23:21	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	83.1	30-150		9/21/17 23:21
Decachlorobiphenyl [2]	94.2	30-150		9/21/17 23:21
Tetrachloro-m-xylene [1]	90.4	30-150		9/21/17 23:21
Tetrachloro-m-xylene [2]	89.7	30-150		9/21/17 23:21

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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: 17I0378

Date Received: 9/11/2017

Field Sample #: WS-AOC-12W-SO-105-1 Sampled: 9/11/2017 09:38

Sample ID: 17I0378-14

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	250	110	mg/Kg dry	10		CTDEP ETPH	9/18/17	9/20/17 2:01	SCS

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
o-Terphenyl	64.0	50-150		9/20/17 2:01

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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: 17I0378

Date Received: 9/11/2017

Field Sample #: WS-AOC-12W-SO-105-1 Sampled: 9/11/2017 09:38

Sample ID: 17I0378-14

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	87.1		% Wt	1		SM 2540G	9/18/17	9/19/17 8:23	MRL

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0378

Date Received: 9/11/2017

Field Sample #: WS-AOC-12W-SO-105-2 Sampled: 9/11/2017 09:39

Sample ID: 17I0378-15

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	0.086	mg/Kg dry	4		SW-846 8082A	9/18/17	9/21/17 23:38	KAL
Aroclor-1221 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	9/18/17	9/21/17 23:38	KAL
Aroclor-1232 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	9/18/17	9/21/17 23:38	KAL
Aroclor-1242 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	9/18/17	9/21/17 23:38	KAL
Aroclor-1248 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	9/18/17	9/21/17 23:38	KAL
Aroclor-1254 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	9/18/17	9/21/17 23:38	KAL
Aroclor-1260 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	9/18/17	9/21/17 23:38	KAL
Aroclor-1262 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	9/18/17	9/21/17 23:38	KAL
Aroclor-1268 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	9/18/17	9/21/17 23:38	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	76.5	30-150		9/21/17 23:38
Decachlorobiphenyl [2]	83.7	30-150		9/21/17 23:38
Tetrachloro-m-xylene [1]	84.8	30-150		9/21/17 23:38
Tetrachloro-m-xylene [2]	90.9	30-150		9/21/17 23:38

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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: 17I0378

Date Received: 9/11/2017

Field Sample #: WS-AOC-12W-SO-105-2 Sampled: 9/11/2017 09:39

Sample ID: 17I0378-15

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	93.5		% Wt	1		SM 2540G	9/18/17	9/19/17 8:23	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: 17I0378

Date Received: 9/11/2017

Field Sample #: WS-AOC-12W-SO-105-3 Sampled: 9/11/2017 09:40

Sample ID: 17I0378-16

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	0.088	mg/Kg dry	4		SW-846 8082A	9/18/17	9/21/17 23:56	KAL
Aroclor-1221 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	9/18/17	9/21/17 23:56	KAL
Aroclor-1232 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	9/18/17	9/21/17 23:56	KAL
Aroclor-1242 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	9/18/17	9/21/17 23:56	KAL
Aroclor-1248 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	9/18/17	9/21/17 23:56	KAL
Aroclor-1254 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	9/18/17	9/21/17 23:56	KAL
Aroclor-1260 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	9/18/17	9/21/17 23:56	KAL
Aroclor-1262 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	9/18/17	9/21/17 23:56	KAL
Aroclor-1268 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	9/18/17	9/21/17 23:56	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	41.8	30-150		9/21/17 23:56
Decachlorobiphenyl [2]	50.9	30-150		9/21/17 23:56
Tetrachloro-m-xylene [1]	45.9	30-150		9/21/17 23:56
Tetrachloro-m-xylene [2]	44.6	30-150		9/21/17 23:56

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0378

Date Received: 9/11/2017

Field Sample #: WS-AOC-12W-SO-105-3 Sampled: 9/11/2017 09:40

Sample ID: 17I0378-16

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	90.9		% Wt	1		SM 2540G	9/18/17	9/19/17 8:23	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: 17I0378

Date Received: 9/11/2017

Field Sample #: WS-AOC-12W-SO-110-1 Sampled: 9/11/2017 09:46

Sample ID: 17I0378-17

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	0.084	mg/Kg dry	4		SW-846 8082A	9/18/17	9/22/17 0:13	KAL
Aroclor-1221 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	9/18/17	9/22/17 0:13	KAL
Aroclor-1232 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	9/18/17	9/22/17 0:13	KAL
Aroclor-1242 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	9/18/17	9/22/17 0:13	KAL
Aroclor-1248 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	9/18/17	9/22/17 0:13	KAL
Aroclor-1254 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	9/18/17	9/22/17 0:13	KAL
Aroclor-1260 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	9/18/17	9/22/17 0:13	KAL
Aroclor-1262 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	9/18/17	9/22/17 0:13	KAL
Aroclor-1268 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	9/18/17	9/22/17 0:13	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	72.7	30-150		9/22/17 0:13
Decachlorobiphenyl [2]	78.4	30-150		9/22/17 0:13
Tetrachloro-m-xylene [1]	80.6	30-150		9/22/17 0:13
Tetrachloro-m-xylene [2]	85.8	30-150		9/22/17 0:13

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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: 17I0378

Date Received: 9/11/2017

Field Sample #: WS-AOC-12W-SO-110-1 Sampled: 9/11/2017 09:46

Sample ID: 17I0378-17

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	95.4		% Wt	1		SM 2540G	9/18/17	9/19/17 8:23	MRL

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0378

Date Received: 9/11/2017

Field Sample #: WS-AOC-12W-SO-110-2 Sampled: 9/11/2017 09:47

Sample ID: 17I0378-18

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	0.081	mg/Kg dry	4		SW-846 8082A	9/18/17	9/22/17 0:31	KAL
Aroclor-1221 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	9/18/17	9/22/17 0:31	KAL
Aroclor-1232 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	9/18/17	9/22/17 0:31	KAL
Aroclor-1242 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	9/18/17	9/22/17 0:31	KAL
Aroclor-1248 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	9/18/17	9/22/17 0:31	KAL
Aroclor-1254 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	9/18/17	9/22/17 0:31	KAL
Aroclor-1260 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	9/18/17	9/22/17 0:31	KAL
Aroclor-1262 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	9/18/17	9/22/17 0:31	KAL
Aroclor-1268 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	9/18/17	9/22/17 0:31	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	78.1	30-150		9/22/17 0:31
Decachlorobiphenyl [2]	85.5	30-150		9/22/17 0:31
Tetrachloro-m-xylene [1]	82.3	30-150		9/22/17 0:31
Tetrachloro-m-xylene [2]	88.2	30-150		9/22/17 0:31

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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: 17I0378

Date Received: 9/11/2017

Field Sample #: WS-AOC-12W-SO-110-2 Sampled: 9/11/2017 09:47

Sample ID: 17I0378-18

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	96.3		% Wt	1		SM 2540G	9/18/17	9/19/17 8:23	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: 17I0378

Date Received: 9/11/2017

Field Sample #: WS-AOC-12W-SO-110-3 Sampled: 9/11/2017 09:48

Sample ID: 17I0378-19

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	0.084	mg/Kg dry	4		SW-846 8082A	9/18/17	9/22/17 0:48	KAL
Aroclor-1221 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	9/18/17	9/22/17 0:48	KAL
Aroclor-1232 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	9/18/17	9/22/17 0:48	KAL
Aroclor-1242 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	9/18/17	9/22/17 0:48	KAL
Aroclor-1248 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	9/18/17	9/22/17 0:48	KAL
Aroclor-1254 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	9/18/17	9/22/17 0:48	KAL
Aroclor-1260 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	9/18/17	9/22/17 0:48	KAL
Aroclor-1262 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	9/18/17	9/22/17 0:48	KAL
Aroclor-1268 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	9/18/17	9/22/17 0:48	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	80.8	30-150		9/22/17 0:48
Decachlorobiphenyl [2]	89.4	30-150		9/22/17 0:48
Tetrachloro-m-xylene [1]	88.2	30-150		9/22/17 0:48
Tetrachloro-m-xylene [2]	92.8	30-150		9/22/17 0:48

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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: 17I0378

Date Received: 9/11/2017

Field Sample #: WS-AOC-12W-SO-110-3 Sampled: 9/11/2017 09:48

Sample ID: 17I0378-19

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	66	53	mg/Kg dry	5		CTDEP ETPH	9/18/17	9/20/17 19:13	SCS

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
o-Terphenyl	74.8	50-150		9/20/17 19:13

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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: 17I0378

Date Received: 9/11/2017

Field Sample #: WS-AOC-12W-SO-110-3 Sampled: 9/11/2017 09:48

Sample ID: 17I0378-19

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	93.3		% Wt	1		SM 2540G	9/18/17	9/19/17 8:23	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: 17I0378

Date Received: 9/11/2017

Field Sample #: WS-AOC-12W-SO-103-1 Sampled: 9/11/2017 09:54

Sample ID: 17I0378-20

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	0.085	mg/Kg dry	4		SW-846 8082A	9/18/17	9/22/17 1:06	KAL
Aroclor-1221 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	9/18/17	9/22/17 1:06	KAL
Aroclor-1232 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	9/18/17	9/22/17 1:06	KAL
Aroclor-1242 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	9/18/17	9/22/17 1:06	KAL
Aroclor-1248 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	9/18/17	9/22/17 1:06	KAL
Aroclor-1254 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	9/18/17	9/22/17 1:06	KAL
Aroclor-1260 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	9/18/17	9/22/17 1:06	KAL
Aroclor-1262 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	9/18/17	9/22/17 1:06	KAL
Aroclor-1268 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	9/18/17	9/22/17 1:06	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	79.8	30-150		9/22/17 1:06
Decachlorobiphenyl [2]	87.4	30-150		9/22/17 1:06
Tetrachloro-m-xylene [1]	86.3	30-150		9/22/17 1:06
Tetrachloro-m-xylene [2]	91.6	30-150		9/22/17 1:06

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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: 17I0378

Date Received: 9/11/2017

Field Sample #: WS-AOC-12W-SO-103-1 Sampled: 9/11/2017 09:54

Sample ID: 17I0378-20

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	23	11	mg/Kg dry	1		CTDEP ETPH	9/18/17	9/20/17 7:54	SCS

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
o-Terphenyl	79.8	50-150		9/20/17 7:54

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: 17I0378

Date Received: 9/11/2017

Field Sample #: WS-AOC-12W-SO-103-1 Sampled: 9/11/2017 09:54

Sample ID: 17I0378-20

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	93.7		% Wt	1		SM 2540G	9/18/17	9/19/17 8:23	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
17I0378-01 [WS-AOC15-SO-27-1]	B186472	30.2	1.00	09/18/17
17I0378-12 [WS-AOC-12W-SO-111-2]	B186472	30.0	1.00	09/18/17
17I0378-14 [WS-AOC-12W-SO-105-1]	B186472	30.0	1.00	09/18/17
17I0378-19 [WS-AOC-12W-SO-110-3]	B186472	30.1	1.00	09/18/17
17I0378-20 [WS-AOC-12W-SO-103-1]	B186472	30.1	1.00	09/18/17

Prep Method: % Solids-SM 2540G

Lab Number [Field ID]	Batch	Date
17I0378-01 [WS-AOC15-SO-27-1]	B186437	09/18/17
17I0378-02 [WS-AOC15-SO-27-2]	B186437	09/18/17
17I0378-03 [WS-AOC15-SO-27-3]	B186437	09/18/17
17I0378-04 [WS-AOC-9-SO-29-1]	B186437	09/18/17
17I0378-05 [WS-AOC-9-SO-29-2]	B186437	09/18/17
17I0378-06 [WS-AOC-9-SO-29-3]	B186437	09/18/17
17I0378-07 [WS-AOC-9-SO-29-4]	B186437	09/18/17
17I0378-08 [WS-AOC-12W-SO-112-1]	B186437	09/18/17
17I0378-09 [WS-AOC-12W-SO-112-2]	B186437	09/18/17
17I0378-10 [WS-AOC-12W-SO-112-3]	B186437	09/18/17
17I0378-11 [WS-AOC-12W-SO-111-1]	B186437	09/18/17
17I0378-12 [WS-AOC-12W-SO-111-2]	B186437	09/18/17
17I0378-13 [WS-AOC-12W-SO-111-3]	B186437	09/18/17
17I0378-14 [WS-AOC-12W-SO-105-1]	B186437	09/18/17
17I0378-15 [WS-AOC-12W-SO-105-2]	B186437	09/18/17
17I0378-16 [WS-AOC-12W-SO-105-3]	B186437	09/18/17
17I0378-17 [WS-AOC-12W-SO-110-1]	B186437	09/18/17
17I0378-18 [WS-AOC-12W-SO-110-2]	B186437	09/18/17
17I0378-19 [WS-AOC-12W-SO-110-3]	B186437	09/18/17
17I0378-20 [WS-AOC-12W-SO-103-1]	B186437	09/18/17

Prep Method: SW-846 3050B-SW-846 6010C-D

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17I0378-13 [WS-AOC-12W-SO-111-3]	B186450	1.08	50.0	09/18/17

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17I0378-01 [WS-AOC15-SO-27-1]	B186484	10.1	10.0	09/18/17
17I0378-02 [WS-AOC15-SO-27-2]	B186484	10.2	10.0	09/18/17
17I0378-03 [WS-AOC15-SO-27-3]	B186484	10.2	10.0	09/18/17
17I0378-04 [WS-AOC-9-SO-29-1]	B186484	10.0	10.0	09/18/17
17I0378-05 [WS-AOC-9-SO-29-2]	B186484	10.0	10.0	09/18/17
17I0378-06 [WS-AOC-9-SO-29-3]	B186484	10.2	10.0	09/18/17
17I0378-07 [WS-AOC-9-SO-29-4]	B186484	10.0	10.0	09/18/17
17I0378-08 [WS-AOC-12W-SO-112-1]	B186484	10.2	10.0	09/18/17
17I0378-09 [WS-AOC-12W-SO-112-2]	B186484	10.0	10.0	09/18/17
17I0378-10 [WS-AOC-12W-SO-112-3]	B186484	10.1	10.0	09/18/17
17I0378-11 [WS-AOC-12W-SO-111-1]	B186484	10.2	10.0	09/18/17
17I0378-12 [WS-AOC-12W-SO-111-2]	B186484	10.0	10.0	09/18/17
17I0378-13 [WS-AOC-12W-SO-111-3]	B186484	10.2	10.0	09/18/17

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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
17I0378-14 [WS-AOC-12W-SO-105-1]	B186484	10.1	10.0	09/18/17
17I0378-15 [WS-AOC-12W-SO-105-2]	B186484	10.0	10.0	09/18/17
17I0378-16 [WS-AOC-12W-SO-105-3]	B186484	10.0	10.0	09/18/17
17I0378-17 [WS-AOC-12W-SO-110-1]	B186484	10.0	10.0	09/18/17
17I0378-18 [WS-AOC-12W-SO-110-2]	B186484	10.2	10.0	09/18/17
17I0378-19 [WS-AOC-12W-SO-110-3]	B186484	10.2	10.0	09/18/17
17I0378-20 [WS-AOC-12W-SO-103-1]	B186484	10.0	10.0	09/18/17

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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 B186484 - SW-846 3540C										
Blank (B186484-BLK1)				Prepared: 09/18/17 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	*0.208*		mg/Kg wet	0.200		104	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.179*		mg/Kg wet	0.200		89.6	30-150			
Surrogate: Tetrachloro-m-xylene	*0.194*		mg/Kg wet	0.200		97.0	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.141*		mg/Kg wet	0.200		70.5	30-150			
LCS (B186484-BS1)				Prepared: 09/18/17 Analyzed: 09/21/17						
Aroclor-1016	0.17	0.020	mg/Kg wet	0.200		84.1	40-140			
Aroclor-1016 [2C]	0.17	0.020	mg/Kg wet	0.200		83.3	40-140			
Aroclor-1260	0.16	0.020	mg/Kg wet	0.200		78.5	40-140			
Aroclor-1260 [2C]	0.16	0.020	mg/Kg wet	0.200		80.1	40-140			
Surrogate: Decachlorobiphenyl	*0.205*		mg/Kg wet	0.200		103	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.176*		mg/Kg wet	0.200		88.1	30-150			
Surrogate: Tetrachloro-m-xylene	*0.195*		mg/Kg wet	0.200		97.4	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.144*		mg/Kg wet	0.200		71.8	30-150			
LCS Dup (B186484-BSD1)				Prepared: 09/18/17 Analyzed: 09/21/17						
Aroclor-1016	0.17	0.020	mg/Kg wet	0.200		85.6	40-140	1.78	30	
Aroclor-1016 [2C]	0.17	0.020	mg/Kg wet	0.200		84.0	40-140	0.774	30	
Aroclor-1260	0.16	0.020	mg/Kg wet	0.200		79.1	40-140	0.742	30	
Aroclor-1260 [2C]	0.16	0.020	mg/Kg wet	0.200		80.9	40-140	1.03	30	
Surrogate: Decachlorobiphenyl	*0.199*		mg/Kg wet	0.200		99.7	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.175*		mg/Kg wet	0.200		87.4	30-150			
Surrogate: Tetrachloro-m-xylene	*0.203*		mg/Kg wet	0.200		101	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.150*		mg/Kg wet	0.200		74.9	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 B186484 - SW-846 3540C										
Matrix Spike (B186484-MS1)		**Source: 17I0378-09**		Prepared: 09/18/17 Analyzed: 09/22/17						
Aroclor-1016	0.17	0.086	mg/Kg dry	0.214	ND	80.3	40-140			
Aroclor-1016 [2C]	0.16	0.086	mg/Kg dry	0.214	ND	73.9	40-140			
Aroclor-1260	0.23	0.086	mg/Kg dry	0.214	0.12	52.2	40-140			
Aroclor-1260 [2C]	0.24	0.086	mg/Kg dry	0.214	0.11	62.4	40-140			
Surrogate: Decachlorobiphenyl	*0.167*		mg/Kg dry	0.214		77.7	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.195*		mg/Kg dry	0.214		91.2	30-150			
Surrogate: Tetrachloro-m-xylene	*0.186*		mg/Kg dry	0.214		86.9	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.186*		mg/Kg dry	0.214		86.8	30-150			
Matrix Spike (B186484-MS2)		**Source: 17I0378-12**		Prepared: 09/18/17 Analyzed: 09/22/17						
Aroclor-1016	0.17	0.081	mg/Kg dry	0.203	ND	85.4	40-140			
Aroclor-1016 [2C]	0.17	0.081	mg/Kg dry	0.203	ND	85.8	40-140			
Aroclor-1260	0.15	0.081	mg/Kg dry	0.203	ND	72.2	40-140			
Aroclor-1260 [2C]	0.15	0.081	mg/Kg dry	0.203	ND	73.8	40-140			
Surrogate: Decachlorobiphenyl	*0.155*		mg/Kg dry	0.203		76.5	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.168*		mg/Kg dry	0.203		82.8	30-150			
Surrogate: Tetrachloro-m-xylene	*0.178*		mg/Kg dry	0.203		87.9	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.188*		mg/Kg dry	0.203		92.8	30-150			
Matrix Spike (B186484-MS3)		**Source: 17I0378-15**		Prepared: 09/18/17 Analyzed: 09/22/17						
Aroclor-1016	0.20	0.085	mg/Kg dry	0.212	ND	92.3	40-140			
Aroclor-1016 [2C]	0.19	0.085	mg/Kg dry	0.212	ND	88.7	40-140			
Aroclor-1260	0.17	0.085	mg/Kg dry	0.212	ND	81.2	40-140			
Aroclor-1260 [2C]	0.18	0.085	mg/Kg dry	0.212	ND	84.9	40-140			
Surrogate: Decachlorobiphenyl	*0.178*		mg/Kg dry	0.212		83.9	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.196*		mg/Kg dry	0.212		92.5	30-150			
Surrogate: Tetrachloro-m-xylene	*0.203*		mg/Kg dry	0.212		96.0	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.209*		mg/Kg dry	0.212		98.8	30-150			
Matrix Spike (B186484-MS4)		**Source: 17I0378-18**		Prepared: 09/18/17 Analyzed: 09/22/17						
Aroclor-1016	0.19	0.083	mg/Kg dry	0.208	ND	91.0	40-140			
Aroclor-1016 [2C]	0.19	0.083	mg/Kg dry	0.208	ND	92.4	40-140			
Aroclor-1260	0.16	0.083	mg/Kg dry	0.208	ND	76.5	40-140			
Aroclor-1260 [2C]	0.17	0.083	mg/Kg dry	0.208	ND	81.8	40-140			
Surrogate: Decachlorobiphenyl	*0.165*		mg/Kg dry	0.208		79.5	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.177*		mg/Kg dry	0.208		85.3	30-150			
Surrogate: Tetrachloro-m-xylene	*0.190*		mg/Kg dry	0.208		91.3	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.210*		mg/Kg dry	0.208		101	30-150			
Matrix Spike Dup (B186484-MSD1)		**Source: 17I0378-09**		Prepared: 09/18/17 Analyzed: 09/22/17						
Aroclor-1016	0.16	0.085	mg/Kg dry	0.212	ND	76.7	40-140	5.63	50	
Aroclor-1016 [2C]	0.15	0.085	mg/Kg dry	0.212	ND	71.7	40-140	3.97	50	
Aroclor-1260	0.21	0.085	mg/Kg dry	0.212	0.12	41.2	40-140	11.2	50	
Aroclor-1260 [2C]	0.22	0.085	mg/Kg dry	0.212	0.11	52.1	40-140	10.1	50	
Surrogate: Decachlorobiphenyl	*0.160*		mg/Kg dry	0.212		75.5	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.194*		mg/Kg dry	0.212		91.6	30-150			
Surrogate: Tetrachloro-m-xylene	*0.198*		mg/Kg dry	0.212		93.1	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.179*		mg/Kg dry	0.212		84.2	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 B186484 - SW-846 3540C										
Matrix Spike Dup (B186484-MSD2)		**Source: 17I0378-12**		Prepared: 09/18/17 Analyzed: 09/22/17						
Aroclor-1016	0.19	0.082	mg/Kg dry	0.205	ND	90.7	40-140	6.99	50	
Aroclor-1016 [2C]	0.19	0.082	mg/Kg dry	0.205	ND	90.8	40-140	6.64	50	
Aroclor-1260	0.15	0.082	mg/Kg dry	0.205	ND	74.5	40-140	4.12	50	
Aroclor-1260 [2C]	0.16	0.082	mg/Kg dry	0.205	ND	76.7	40-140	4.80	50	
Surrogate: Decachlorobiphenyl	*0.164*		mg/Kg dry	0.205		80.1	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.179*		mg/Kg dry	0.205		87.1	30-150			
Surrogate: Tetrachloro-m-xylene	*0.196*		mg/Kg dry	0.205		95.6	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.207*		mg/Kg dry	0.205		101	30-150			
Matrix Spike Dup (B186484-MSD3)		**Source: 17I0378-15**		Prepared: 09/18/17 Analyzed: 09/22/17						
Aroclor-1016	0.19	0.084	mg/Kg dry	0.210	ND	91.0	40-140	2.33	50	
Aroclor-1016 [2C]	0.19	0.084	mg/Kg dry	0.210	ND	90.7	40-140	1.20	50	
Aroclor-1260	0.16	0.084	mg/Kg dry	0.210	ND	77.5	40-140	5.58	50	
Aroclor-1260 [2C]	0.17	0.084	mg/Kg dry	0.210	ND	81.7	40-140	4.79	50	
Surrogate: Decachlorobiphenyl	*0.165*		mg/Kg dry	0.210		78.7	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.179*		mg/Kg dry	0.210		85.2	30-150			
Surrogate: Tetrachloro-m-xylene	*0.192*		mg/Kg dry	0.210		91.6	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.202*		mg/Kg dry	0.210		96.2	30-150			
Matrix Spike Dup (B186484-MSD4)		**Source: 17I0378-18**		Prepared: 09/18/17 Analyzed: 09/22/17						
Aroclor-1016	0.19	0.083	mg/Kg dry	0.208	ND	89.7	40-140	1.51	50	
Aroclor-1016 [2C]	0.19	0.083	mg/Kg dry	0.208	ND	90.6	40-140	1.98	50	
Aroclor-1260	0.16	0.083	mg/Kg dry	0.208	ND	77.2	40-140	0.976	50	
Aroclor-1260 [2C]	0.17	0.083	mg/Kg dry	0.208	ND	83.5	40-140	2.09	50	
Surrogate: Decachlorobiphenyl	*0.163*		mg/Kg dry	0.208		78.3	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.174*		mg/Kg dry	0.208		83.7	30-150			
Surrogate: Tetrachloro-m-xylene	*0.182*		mg/Kg dry	0.208		87.5	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.194*		mg/Kg dry	0.208		93.3	30-150			

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

QUALITY CONTROL

Petroleum Hydrocarbons Analyses - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes
Batch B186472 - SW-846 3546											
Blank (B186472-BLK1)				Prepared: 09/18/17 Analyzed: 09/19/17							
CT ETPH	ND	10	mg/Kg wet								
Surrogate: o-Terphenyl	*2.75*		mg/Kg wet	3.33		82.4		50-150			
LCS (B186472-BS1)				Prepared: 09/18/17 Analyzed: 09/19/17							
CT ETPH	24.8	10	mg/Kg wet	33.3		74.5		60-120			
Surrogate: o-Terphenyl	*2.85*		mg/Kg wet	3.33		85.6		50-150			
LCS Dup (B186472-BSD1)				Prepared: 09/18/17 Analyzed: 09/19/17							
CT ETPH	24.2	10	mg/Kg wet	33.3		72.5		60-120	2.67	30	
Surrogate: o-Terphenyl	*2.73*		mg/Kg wet	3.33		81.8		50-150			
Matrix Spike (B186472-MS1)	**Source: 17I0378-12**			Prepared: 09/18/17 Analyzed: 09/20/17							
CT ETPH	74.4	52	mg/Kg dry	34.4	91.1	**-48.7**	*	50-150			MS-09
Surrogate: o-Terphenyl	*2.70*		mg/Kg dry	3.44		78.4		50-150			
Matrix Spike Dup (B186472-MSD1)	**Source: 17I0378-12**			Prepared: 09/18/17 Analyzed: 09/20/17							
CT ETPH	67.0	52	mg/Kg dry	34.4	91.1	**-70.3**	*	50-150	10.5	30	MS-09
Surrogate: o-Terphenyl	*2.36*		mg/Kg dry	3.44		68.7		50-150			

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QUALITY CONTROL

Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B186450 - SW-846 3050B										
Blank (B186450-BLK1)				Prepared: 09/18/17 Analyzed: 09/19/17						
Arsenic	ND	2.5	mg/Kg wet							
LCS (B186450-BS1)				Prepared: 09/18/17 Analyzed: 09/19/17						
Arsenic	143	5.0	mg/Kg wet	157		90.9	77.8-122.1			
LCS Dup (B186450-BSD1)				Prepared: 09/18/17 Analyzed: 09/19/17						
Arsenic	146	4.8	mg/Kg wet	157		93.1	77.8-122.1	2.31	30	

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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 B186437 - % Solids										
Duplicate (B186437-DUP1)		**Source: 17I0378-09**		Prepared: 09/18/17	Analyzed: 09/19/17					
% Solids	92.2		% Wt		93.3			1.19	20	
Duplicate (B186437-DUP2)		**Source: 17I0378-12**		Prepared: 09/18/17	Analyzed: 09/19/17					
% Solids	96.1		% Wt		96.6			0.519	20	
Duplicate (B186437-DUP3)		**Source: 17I0378-15**		Prepared: 09/18/17	Analyzed: 09/19/17					
% Solids	92.8		% Wt		93.5			0.751	20	
Duplicate (B186437-DUP4)		**Source: 17I0378-18**		Prepared: 09/18/17	Analyzed: 09/19/17					
% Solids	96.0		% Wt		96.3			0.312	20	

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC-9-SO-29-1

Lab Sample ID: 17I0378-04

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	74	
	2	0.000	-0.030	0.030	78	5.3

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC-9-SO-29-2

Lab Sample ID: 17I0378-05

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	5.7	
	2	0.000	-0.030	0.030	5.9	3.5

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC-12W-SO-112-2

Lab Sample ID: 17I0378-09

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	0.12	
	2	0.000	-0.030	0.030	0.11	8.7

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC-12W-SO-112-3

Lab Sample ID: 17I0378-10

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	0.15	
	2	0.000	-0.030	0.030	0.16	6.5

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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-09	Matrix spike recovery and/or matrix spike duplicate recovery outside of control limits. Possibility of sample matrix effects that lead to a low bias for reported result or non-homogeneous sample aliquots cannot be eliminated.
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.

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 6010C-D in Soil	
Arsenic	CT,NH,NY,ME,VA,NC
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	09/30/2019
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	09/6/2018
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2018
NC-DW	North Carolina Department of Health	25703	07/31/2018

17I0378

con-test ANALYTICAL LABORATORY

Phone: 413-525-2332
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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	PCB, Soxhlet	ETPH	# of Containers	[2] Preservation Code	[3] Container Code
01	WS-POC-15-SO-20-1	9/11/17	1129		X	S	U	X	X			
02	WS-POC-15-SO-20-2	9/11/17	1130		X	S	U	X				
03	WS-POC-15-SO-20-3	9/11/17	1131		X	S	U	X				
04	WS-POC-9-SO-29-1	9/11/17	1146		X	S	U	X				
05	WS-POC-9-SO-29-2	9/11/17	1147		X	S	U	X				
06	WS-POC-9-SO-29-3	9/11/17	1148		X	S	U	X				
07	WS-POC-9-SO-29-4	9/11/17	1149		X	S	U	X				
08	WS-POC-12W-SO-112-1	9/11/17	1215		X	S	U	X				
09	WS-POC-12W-SO-112-2	9/11/17	1216		X	S	U	X				
10	WS-POC-12W-SO-112-3	9/11/17	1217		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 do MS/MSD for WS-POC-12W-SO-112-2

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: 9/11/17 1445
Received by: (signature)	Date/Time: 9/11/17 1445
Relinquished by: (signature)	Date/Time: 9/11/17 1505
Received by: (signature)	Date/Time: 9/11/17 1505
Relinquished by: (signature)	Date/Time: 9/11/17 1630
Received by: (signature) 2.3, 5.9	Date/Time: 9/11/17 1630

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

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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	ETPH	Arsenic										# of Containers	[2] Preservation Code	[3] Container Code
								1												1	I	A
11	WS-AOC-12W-SO-111-1	9/11/17	0935		X	S	U	X														
12	WS-AOC-12W-SO-111-2	9/11/17	0936		X	S	U	X	X													
13	WS-AOC-12W-SO-111-3	9/11/17	0937		X	S	U	X		X												
14	WS-AOC-12W-SO-105-1	9/11/17	0938		X	S	U	X	X													
15	WS-AOC-12W-SO-105-2	9/11/17	0939		X	S	U	X														
16	WS-AOC-12W-SO-105-3	9/11/17	0940		X	S	U	X														
17	WS-AOC-12W-SO-110-1	9/11/17	0946		X	S	U	X														
18	WS-AOC-12W-SO-110-2	9/11/17	0947		X	S	U	X														
19	WS-AOC-12W-SO-110-3	9/11/17	0948		X	S	U	X	X													
20	WS-AOC-12W-SO-103-1	9/11/17	0954		X	S	U	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
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O = Other (please define) _____

[2] **Preservation Codes:**
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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 do MS/MSD analysis for WS-AOC-12W-SO-111-2 for PCBs and ETPH, and for WS-AOC-12W-SO-105-2 for only PCBs, and WS-AOC-12W-SO-110-2 for PCBs

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: 9/11/17 1445
Received by: (signature)	Date/Time: 9/11/17 1445
Relinquished by: (signature)	Date/Time: 9/11/17 1505
Received by: (signature)	Date/Time: 9/11/17 1505
Relinquished by: (signature)	Date/Time: 9/11/17 430
Received by: (signature)	Date/Time: 9/11/17 1630

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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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 RLF Date 9/11/17 Time 1130

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 # 7 Actual Temp - 2.3°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 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? NA MS/MSD? ~~NA~~ T
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.		1 Liter Plastic		16 oz Amb.	
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear	28
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\A091917.SEC\A0919137.D

CT ETPH DISCRIMINATION CHECK

Date Acquired	9/20/17
Data File Name	A0919137.D
Sample Name	ETPH 1500
Instrument Name	5890DFID

Compound	Ret Time	Target Response	Average Response	*%D +/- 20
c - 9	1.28	620853	652710	-5
c - 10	1.63	631926	652710	-3
c - 12	2.34	650993	652710	0
c - 14	3.01	660660	652710	1
c - 16	3.61	672375	652710	3
c - 18	4.22	661082	652710	1
o-Terphenyl	4.51	734754	652710	
c - 20	4.83	666433	652710	2
c - 22	5.33	671692	652710	3
c - 24	5.77	624925	652710	-4
c - 26	6.16	658424	652710	1
c - 28	6.52	654250	652710	0
c - 30	6.85	655163	652710	0
c - 32	7.16	647569	652710	-1
c - 34	7.45	655759	652710	0
c - 36	7.76	658546	652710	1

* One compound allowed %D <= 50%

Samples

17I0378-20
17I0380-01
17I0380-03
17I0241-04@20X

D:\HPCHEM\1\DATA\A091917.SEC\A0919035.D

CT ETPH DISCRIMINATION CHECK

Date Acquired	9/19/17
Data File Name	A0919035.D
Sample Name	ETPH 1500
Instrument Name	5890DFID

Compound	Ret Time	Target Response	Average Response	*%D +/- 20
c - 9	1.28	546711	576637	-5
c - 10	1.62	556905	576637	-3
c - 12	2.34	574213	576637	0
c - 14	3.01	583332	576637	1
c - 16	3.61	594004	576637	3
c - 18	4.23	585093	576637	1
o-Terphenyl	4.51	648324	576637	
c - 20	4.83	589878	576637	2
c - 22	5.33	595941	576637	3
c - 24	5.77	554361	576637	-4
c - 26	6.16	583067	576637	1
c - 28	6.52	578745	576637	0
c - 30	6.85	578910	576637	0
c - 32	7.16	570456	576637	-1
c - 34	7.45	576804	576637	0
c - 36	7.77	581137	576637	1

* One compound allowed %D <= 50%

Samples
17I0242-15@20X
17I0244-05@20X
17I0244-14@20X
17I0320-19@5X
17I0321-05@5X
17I0321-08@5X
17I0242-06@20X
17I0242-09@20X
17I0241-04@20X
17I0241-13@20X
17I0456-01@20X

D:\HPCHEM\1\DATA\A091917.SEC\A0919081.D

CT ETPH DISCRIMINATION CHECK

Date Acquired	9/19/17
Data File Name	A0919081.D
Sample Name	ETPH 1500
Instrument Name	5890DFID

Compound	Ret Time	Target Response	Average Response	*%D +/- 20
c - 9	1.28	601774	632314	-5
c - 10	1.63	612165	632314	-3
c - 12	2.35	630848	632314	0
c - 14	3.01	640223	632314	1
c - 16	3.61	651756	632314	3
c - 18	4.22	640680	632314	1
o-Terphenyl	4.51	710078	632314	
c - 20	4.83	645606	632314	2
c - 22	5.33	652240	632314	3
c - 24	5.77	606960	632314	-4
c - 26	6.16	638906	632314	1
c - 28	6.52	633560	632314	0
c - 30	6.85	633652	632314	0
c - 32	7.16	624927	632314	-1
c - 34	7.45	634184	632314	0
c - 36	7.77	637226	632314	1

* One compound allowed %D <= 50%

Samples
17I0531-03
17I0531-04
17I0656-01
17I0378-12@5X
17I0378-14@10X
17I0319-08@5X
17I0319-16@5X
17I0320-08@5X
17I0320-12@5X
17I0321-02@20X
17I0455-01@20X
17I0531-01
17I0531-02

D:\HPCHEM\1\DATA\A092017.SEC\A0920031.D

CT ETPH DISCRIMINATION CHECK

Date Acquired	9/20/17
Data File Name	A0920031.D
Sample Name	ETPH 1500
Instrument Name	5890DFID

Compound	Ret Time	Target Response	Average Response	*%D +/- 20
c - 9	1.28	541173	562711	-4
c - 10	1.62	549935	562711	-2
c - 12	2.34	566528	562711	1
c - 14	3.01	574189	562711	2
c - 16	3.61	582627	562711	4
c - 18	4.22	570510	562711	1
o-Terphenyl	4.51	631761	562711	
c - 20	4.83	572845	562711	2
c - 22	5.33	578821	562711	3
c - 24	5.77	538783	562711	-4
c - 26	6.16	569323	562711	1
c - 28	6.52	564215	562711	0
c - 30	6.85	562306	562711	0
c - 32	7.16	552003	562711	-2
c - 34	7.45	557640	562711	-1
c - 36	7.76	559760	562711	-1

* One compound allowed %D <= 50%

Samples

17I0719-02@5X
17I0719-03@50X
17I0719-05@100X
17I0719-06@100X
17I0719-14@100X
17I0719-01@100X
17I0378-19@5X
17I0379-03@50X
17I0378-01@50X
17I0380-04@5X
17I0380-06@20X
17I0380-02@10X
17I0517-13

D:\HPCHEM\1\DATA\A092017.SEC\A0920079.D

CT ETPH DISCRIMINATION CHECK

Date Acquired	9/20/17
Data File Name	A0920079.D
Sample Name	ETPH 1500
Instrument Name	5890DFID

Compound	Ret Time	Target Response	Average Response	*%D +/- 20
c - 9	1.28	593179	621951	-5
c - 10	1.62	601870	621951	-3
c - 12	2.34	620530	621951	0
c - 14	3.01	631091	621951	1
c - 16	3.61	641967	621951	3
c - 18	4.22	630375	621951	1
o-Terphenyl	4.51	697469	621951	
c - 20	4.83	634151	621951	2
c - 22	5.33	640559	621951	3
c - 24	5.77	596341	621951	-4
c - 26	6.16	629258	621951	1
c - 28	6.52	625172	621951	1
c - 30	6.85	625957	621951	1
c - 32	7.16	616353	621951	-1
c - 34	7.45	620644	621951	0
c - 36	7.76	621823	621951	0

* One compound allowed %D <= 50%

Samples

17I0517-04
17I0517-09
17I0517-12
17I0462-04
17I0462-17
17I0462-20
17I0463-12
17I0241-10RE1@5X

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: 17I0378

Laboratory Sample ID(s):

17I0378-01 thru 17I0378-20

Sample Date(s):

09/11/2017

List RCP Methods Used:

CTDEP ETPH, SW-846 6010C-D, 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:** **09/22/17**

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

August 29, 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: 17H0919

Enclosed are results of analyses for samples received by the laboratory on August 16, 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: 8/29/2017

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 2170495

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 17H0919

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-10-CO-1	17H0919-01	Product/Solid		SW-846 8082A	
WS-AOC-10-CO-2	17H0919-02	Product/Solid		SW-846 8082A	
WS-AOC-11-CO-1	17H0919-03	Product/Solid		SW-846 8082A	
WS-AOC-11-CO-2	17H0919-04	Product/Solid		SW-846 8082A	
WS-AOC-11-CO-3	17H0919-05	Product/Solid		SW-846 8082A	
WS-AOC-9-AS-26	17H0919-06	Product/Solid		SW-846 8082A	
WS-AOC-9-AS-DUP-10	17H0919-07	Product/Solid		SW-846 8082A	
WS-AOC-9-AS-21	17H0919-08	Product/Solid		SW-846 8082A	
WS-AOC-9-AS-19	17H0919-09	Product/Solid		SW-846 8082A	
WS-AOC-9-AS-24	17H0919-10	Product/Solid		SW-846 8082A	
WS-AOC-9-AS-15	17H0919-11	Product/Solid		SW-846 8082A	
WS-AOC-9-AS-22	17H0919-12	Product/Solid		SW-846 8082A	
WS-AOC-9-AS-17	17H0919-13	Product/Solid		SW-846 8082A	
WS-AOC-9-AS-20	17H0919-14	Product/Solid		SW-846 8082A	
WS-AOC-9-AS-14	17H0919-15	Product/Solid		SW-846 8082A	
WS-AOC-9-AS-19	17H0919-16	Product/Solid		SW-846 8082A	
EB-42	17H0919-17	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.

SW-846 8082A

Qualifications:

DL-03

Elevated reporting limit due to matrix.

Analyte & Samples(s) Qualified:

17H0919-06[WS-AOC-9-AS-26], 17H0919-07[WS-AOC-9-AS-DUP-10], 17H0919-09[WS-AOC-9-AS-19], 17H0919-10[WS-AOC-9-AS-24], 17H0919-11[WS-AOC-9-AS-15], 17H0919-12[WS-AOC-9-AS-22], 17H0919-13[WS-AOC-9-AS-17], 17H0919-14[WS-AOC-9-AS-20], 17H0919-15[WS-AOC-9-AS-14], 17H0919-16[WS-AOC-9-AS-19]

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.

Tod E. Kopyscinski
Laboratory Director

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: 17H0919

Date Received: 8/16/2017

Field Sample #: WS-AOC-10-CO-1 Sampled: 8/16/2017 09:25

Sample ID: 17H0919-01

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	0.093	mg/Kg	1		SW-846 8082A	8/23/17	8/28/17 14:38	KAL
Aroclor-1221 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	8/23/17	8/28/17 14:38	KAL
Aroclor-1232 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	8/23/17	8/28/17 14:38	KAL
Aroclor-1242 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	8/23/17	8/28/17 14:38	KAL
Aroclor-1248 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	8/23/17	8/28/17 14:38	KAL
Aroclor-1254 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	8/23/17	8/28/17 14:38	KAL
Aroclor-1260 [2]	0.16	0.093	mg/Kg	1		SW-846 8082A	8/23/17	8/28/17 14:38	KAL
Aroclor-1262 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	8/23/17	8/28/17 14:38	KAL
Aroclor-1268 [2]	ND	0.093	mg/Kg	1		SW-846 8082A	8/23/17	8/28/17 14:38	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	94.4	30-150		8/28/17 14:38
Decachlorobiphenyl [2]	84.5	30-150		8/28/17 14:38
Tetrachloro-m-xylene [1]	81.6	30-150		8/28/17 14:38
Tetrachloro-m-xylene [2]	75.2	30-150		8/28/17 14:38

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: 17H0919

Date Received: 8/16/2017

Field Sample #: WS-AOC-10-CO-2 Sampled: 8/16/2017 09:30

Sample ID: 17H0919-02

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	0.096	mg/Kg	1		SW-846 8082A	8/23/17	8/28/17 14:51	KAL
Aroclor-1221 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	8/23/17	8/28/17 14:51	KAL
Aroclor-1232 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	8/23/17	8/28/17 14:51	KAL
Aroclor-1242 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	8/23/17	8/28/17 14:51	KAL
Aroclor-1248 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	8/23/17	8/28/17 14:51	KAL
Aroclor-1254 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	8/23/17	8/28/17 14:51	KAL
Aroclor-1260 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	8/23/17	8/28/17 14:51	KAL
Aroclor-1262 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	8/23/17	8/28/17 14:51	KAL
Aroclor-1268 [2]	ND	0.096	mg/Kg	1		SW-846 8082A	8/23/17	8/28/17 14:51	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	99.2	30-150		8/28/17 14:51
Decachlorobiphenyl [2]	86.1	30-150		8/28/17 14:51
Tetrachloro-m-xylene [1]	82.0	30-150		8/28/17 14:51
Tetrachloro-m-xylene [2]	74.0	30-150		8/28/17 14:51

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: 17H0919

Date Received: 8/16/2017

Field Sample #: WS-AOC-11-CO-1 Sampled: 8/16/2017 10:05

Sample ID: 17H0919-03

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	0.093	mg/Kg	1		SW-846 8082A	8/23/17	8/28/17 15:04	KAL
Aroclor-1221 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	8/23/17	8/28/17 15:04	KAL
Aroclor-1232 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	8/23/17	8/28/17 15:04	KAL
Aroclor-1242 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	8/23/17	8/28/17 15:04	KAL
Aroclor-1248 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	8/23/17	8/28/17 15:04	KAL
Aroclor-1254 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	8/23/17	8/28/17 15:04	KAL
Aroclor-1260 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	8/23/17	8/28/17 15:04	KAL
Aroclor-1262 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	8/23/17	8/28/17 15:04	KAL
Aroclor-1268 [2]	ND	0.093	mg/Kg	1		SW-846 8082A	8/23/17	8/28/17 15:04	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	107	30-150		8/28/17 15:04
Decachlorobiphenyl [2]	95.9	30-150		8/28/17 15:04
Tetrachloro-m-xylene [1]	94.0	30-150		8/28/17 15:04
Tetrachloro-m-xylene [2]	89.0	30-150		8/28/17 15:04

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: 17H0919

Date Received: 8/16/2017

Field Sample #: WS-AOC-11-CO-2 Sampled: 8/16/2017 10:10

Sample ID: 17H0919-04

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	0.098	mg/Kg	1		SW-846 8082A	8/23/17	8/28/17 15:16	KAL
Aroclor-1221 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	8/23/17	8/28/17 15:16	KAL
Aroclor-1232 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	8/23/17	8/28/17 15:16	KAL
Aroclor-1242 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	8/23/17	8/28/17 15:16	KAL
Aroclor-1248 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	8/23/17	8/28/17 15:16	KAL
Aroclor-1254 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	8/23/17	8/28/17 15:16	KAL
Aroclor-1260 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	8/23/17	8/28/17 15:16	KAL
Aroclor-1262 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	8/23/17	8/28/17 15:16	KAL
Aroclor-1268 [2]	ND	0.098	mg/Kg	1		SW-846 8082A	8/23/17	8/28/17 15:16	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	102	30-150		8/28/17 15:16
Decachlorobiphenyl [2]	88.7	30-150		8/28/17 15:16
Tetrachloro-m-xylene [1]	91.5	30-150		8/28/17 15:16
Tetrachloro-m-xylene [2]	85.7	30-150		8/28/17 15:16

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H0919

Date Received: 8/16/2017

Field Sample #: WS-AOC-11-CO-3 Sampled: 8/16/2017 10:15

Sample ID: 17H0919-05

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	0.071	mg/Kg	1		SW-846 8082A	8/23/17	8/28/17 15:29	KAL
Aroclor-1221 [1]	ND	0.071	mg/Kg	1		SW-846 8082A	8/23/17	8/28/17 15:29	KAL
Aroclor-1232 [1]	ND	0.071	mg/Kg	1		SW-846 8082A	8/23/17	8/28/17 15:29	KAL
Aroclor-1242 [1]	ND	0.071	mg/Kg	1		SW-846 8082A	8/23/17	8/28/17 15:29	KAL
Aroclor-1248 [1]	ND	0.071	mg/Kg	1		SW-846 8082A	8/23/17	8/28/17 15:29	KAL
Aroclor-1254 [1]	ND	0.071	mg/Kg	1		SW-846 8082A	8/23/17	8/28/17 15:29	KAL
Aroclor-1260 [1]	ND	0.071	mg/Kg	1		SW-846 8082A	8/23/17	8/28/17 15:29	KAL
Aroclor-1262 [1]	ND	0.071	mg/Kg	1		SW-846 8082A	8/23/17	8/28/17 15:29	KAL
Aroclor-1268 [2]	ND	0.071	mg/Kg	1		SW-846 8082A	8/23/17	8/28/17 15:29	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	112	30-150		8/28/17 15:29
Decachlorobiphenyl [2]	98.6	30-150		8/28/17 15:29
Tetrachloro-m-xylene [1]	95.7	30-150		8/28/17 15:29
Tetrachloro-m-xylene [2]	90.9	30-150		8/28/17 15:29

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H0919

Date Received: 8/16/2017

Field Sample #: WS-AOC-9-AS-26 Sampled: 8/16/2017 12:00

Sample ID: 17H0919-06

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	0.94	mg/Kg	10		SW-846 8082A	8/23/17	8/28/17 15:42	KAL
Aroclor-1221 [1]	ND	0.94	mg/Kg	10		SW-846 8082A	8/23/17	8/28/17 15:42	KAL
Aroclor-1232 [1]	ND	0.94	mg/Kg	10		SW-846 8082A	8/23/17	8/28/17 15:42	KAL
Aroclor-1242 [1]	ND	0.94	mg/Kg	10		SW-846 8082A	8/23/17	8/28/17 15:42	KAL
Aroclor-1248 [1]	ND	0.94	mg/Kg	10		SW-846 8082A	8/23/17	8/28/17 15:42	KAL
Aroclor-1254 [1]	ND	0.94	mg/Kg	10		SW-846 8082A	8/23/17	8/28/17 15:42	KAL
Aroclor-1260 [1]	ND	0.94	mg/Kg	10		SW-846 8082A	8/23/17	8/28/17 15:42	KAL
Aroclor-1262 [1]	ND	0.94	mg/Kg	10		SW-846 8082A	8/23/17	8/28/17 15:42	KAL
Aroclor-1268 [2]	ND	0.94	mg/Kg	10		SW-846 8082A	8/23/17	8/28/17 15:42	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	99.5	30-150		8/28/17 15:42
Decachlorobiphenyl [2]	91.0	30-150		8/28/17 15:42
Tetrachloro-m-xylene [1]	99.2	30-150		8/28/17 15:42
Tetrachloro-m-xylene [2]	101	30-150		8/28/17 15:42

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H0919

Date Received: 8/16/2017

Field Sample #: WS-AOC-9-AS-DUP-10 Sampled: 8/16/2017 00:00

Sample ID: 17H0919-07

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	0.85	mg/Kg	10		SW-846 8082A	8/23/17	8/28/17 16:57	KAL
Aroclor-1221 [1]	ND	0.85	mg/Kg	10		SW-846 8082A	8/23/17	8/28/17 16:57	KAL
Aroclor-1232 [1]	ND	0.85	mg/Kg	10		SW-846 8082A	8/23/17	8/28/17 16:57	KAL
Aroclor-1242 [1]	ND	0.85	mg/Kg	10		SW-846 8082A	8/23/17	8/28/17 16:57	KAL
Aroclor-1248 [1]	ND	0.85	mg/Kg	10		SW-846 8082A	8/23/17	8/28/17 16:57	KAL
Aroclor-1254 [1]	ND	0.85	mg/Kg	10		SW-846 8082A	8/23/17	8/28/17 16:57	KAL
Aroclor-1260 [1]	ND	0.85	mg/Kg	10		SW-846 8082A	8/23/17	8/28/17 16:57	KAL
Aroclor-1262 [1]	ND	0.85	mg/Kg	10		SW-846 8082A	8/23/17	8/28/17 16:57	KAL
Aroclor-1268 [2]	ND	0.85	mg/Kg	10		SW-846 8082A	8/23/17	8/28/17 16:57	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	86.9	30-150		8/28/17 16:57
Decachlorobiphenyl [2]	76.9	30-150		8/28/17 16:57
Tetrachloro-m-xylene [1]	96.1	30-150		8/28/17 16:57
Tetrachloro-m-xylene [2]	98.7	30-150		8/28/17 16:57

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H0919

Date Received: 8/16/2017

Field Sample #: WS-AOC-9-AS-21 Sampled: 8/16/2017 12:15

Sample ID: 17H0919-08

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	0.96	mg/Kg	10		SW-846 8082A	8/23/17	8/28/17 17:10	KAL
Aroclor-1221 [1]	ND	0.96	mg/Kg	10		SW-846 8082A	8/23/17	8/28/17 17:10	KAL
Aroclor-1232 [1]	ND	0.96	mg/Kg	10		SW-846 8082A	8/23/17	8/28/17 17:10	KAL
Aroclor-1242 [1]	ND	0.96	mg/Kg	10		SW-846 8082A	8/23/17	8/28/17 17:10	KAL
Aroclor-1248 [1]	ND	0.96	mg/Kg	10		SW-846 8082A	8/23/17	8/28/17 17:10	KAL
Aroclor-1254 [1]	3.0	0.96	mg/Kg	10		SW-846 8082A	8/23/17	8/28/17 17:10	KAL
Aroclor-1260 [1]	ND	0.96	mg/Kg	10		SW-846 8082A	8/23/17	8/28/17 17:10	KAL
Aroclor-1262 [1]	ND	0.96	mg/Kg	10		SW-846 8082A	8/23/17	8/28/17 17:10	KAL
Aroclor-1268 [2]	ND	0.96	mg/Kg	10		SW-846 8082A	8/23/17	8/28/17 17:10	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	90.5	30-150		8/28/17 17:10
Decachlorobiphenyl [2]	77.9	30-150		8/28/17 17:10
Tetrachloro-m-xylene [1]	106	30-150		8/28/17 17:10
Tetrachloro-m-xylene [2]	110	30-150		8/28/17 17:10

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H0919

Date Received: 8/16/2017

Field Sample #: WS-AOC-9-AS-19 Sampled: 8/16/2017 12:25

Sample ID: 17H0919-09

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	0.98	mg/Kg	10		SW-846 8082A	8/23/17	8/28/17 17:23	KAL
Aroclor-1221 [1]	ND	0.98	mg/Kg	10		SW-846 8082A	8/23/17	8/28/17 17:23	KAL
Aroclor-1232 [1]	ND	0.98	mg/Kg	10		SW-846 8082A	8/23/17	8/28/17 17:23	KAL
Aroclor-1242 [1]	ND	0.98	mg/Kg	10		SW-846 8082A	8/23/17	8/28/17 17:23	KAL
Aroclor-1248 [1]	ND	0.98	mg/Kg	10		SW-846 8082A	8/23/17	8/28/17 17:23	KAL
Aroclor-1254 [1]	ND	0.98	mg/Kg	10		SW-846 8082A	8/23/17	8/28/17 17:23	KAL
Aroclor-1260 [1]	ND	0.98	mg/Kg	10		SW-846 8082A	8/23/17	8/28/17 17:23	KAL
Aroclor-1262 [1]	ND	0.98	mg/Kg	10		SW-846 8082A	8/23/17	8/28/17 17:23	KAL
Aroclor-1268 [2]	ND	0.98	mg/Kg	10		SW-846 8082A	8/23/17	8/28/17 17:23	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	79.7	30-150		8/28/17 17:23
Decachlorobiphenyl [2]	69.1	30-150		8/28/17 17:23
Tetrachloro-m-xylene [1]	96.0	30-150		8/28/17 17:23
Tetrachloro-m-xylene [2]	99.5	30-150		8/28/17 17:23

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H0919

Date Received: 8/16/2017

Field Sample #: WS-AOC-9-AS-24 Sampled: 8/16/2017 12:30

Sample ID: 17H0919-10

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	0.86	mg/Kg	10		SW-846 8082A	8/23/17	8/28/17 17:35	KAL
Aroclor-1221 [1]	ND	0.86	mg/Kg	10		SW-846 8082A	8/23/17	8/28/17 17:35	KAL
Aroclor-1232 [1]	ND	0.86	mg/Kg	10		SW-846 8082A	8/23/17	8/28/17 17:35	KAL
Aroclor-1242 [1]	ND	0.86	mg/Kg	10		SW-846 8082A	8/23/17	8/28/17 17:35	KAL
Aroclor-1248 [1]	ND	0.86	mg/Kg	10		SW-846 8082A	8/23/17	8/28/17 17:35	KAL
Aroclor-1254 [1]	ND	0.86	mg/Kg	10		SW-846 8082A	8/23/17	8/28/17 17:35	KAL
Aroclor-1260 [1]	ND	0.86	mg/Kg	10		SW-846 8082A	8/23/17	8/28/17 17:35	KAL
Aroclor-1262 [1]	ND	0.86	mg/Kg	10		SW-846 8082A	8/23/17	8/28/17 17:35	KAL
Aroclor-1268 [2]	ND	0.86	mg/Kg	10		SW-846 8082A	8/23/17	8/28/17 17:35	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	78.4	30-150		8/28/17 17:35
Decachlorobiphenyl [2]	67.0	30-150		8/28/17 17:35
Tetrachloro-m-xylene [1]	95.2	30-150		8/28/17 17:35
Tetrachloro-m-xylene [2]	98.0	30-150		8/28/17 17:35

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H0919

Date Received: 8/16/2017

Field Sample #: WS-AOC-9-AS-15 Sampled: 8/16/2017 12:35

Sample ID: 17H0919-11

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	8/23/17	8/28/17 17:48	KAL
Aroclor-1221 [1]	ND	0.97	mg/Kg	10		SW-846 8082A	8/23/17	8/28/17 17:48	KAL
Aroclor-1232 [1]	ND	0.97	mg/Kg	10		SW-846 8082A	8/23/17	8/28/17 17:48	KAL
Aroclor-1242 [1]	ND	0.97	mg/Kg	10		SW-846 8082A	8/23/17	8/28/17 17:48	KAL
Aroclor-1248 [1]	ND	0.97	mg/Kg	10		SW-846 8082A	8/23/17	8/28/17 17:48	KAL
Aroclor-1254 [1]	ND	0.97	mg/Kg	10		SW-846 8082A	8/23/17	8/28/17 17:48	KAL
Aroclor-1260 [1]	ND	0.97	mg/Kg	10		SW-846 8082A	8/23/17	8/28/17 17:48	KAL
Aroclor-1262 [1]	ND	0.97	mg/Kg	10		SW-846 8082A	8/23/17	8/28/17 17:48	KAL
Aroclor-1268 [2]	ND	0.97	mg/Kg	10		SW-846 8082A	8/23/17	8/28/17 17:48	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	83.9	30-150		8/28/17 17:48
Decachlorobiphenyl [2]	70.5	30-150		8/28/17 17:48
Tetrachloro-m-xylene [1]	102	30-150		8/28/17 17:48
Tetrachloro-m-xylene [2]	106	30-150		8/28/17 17:48

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H0919

Date Received: 8/16/2017

Field Sample #: WS-AOC-9-AS-22 Sampled: 8/16/2017 12:40

Sample ID: 17H0919-12

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	0.91	mg/Kg	10		SW-846 8082A	8/23/17	8/28/17 18:01	KAL
Aroclor-1221 [1]	ND	0.91	mg/Kg	10		SW-846 8082A	8/23/17	8/28/17 18:01	KAL
Aroclor-1232 [1]	ND	0.91	mg/Kg	10		SW-846 8082A	8/23/17	8/28/17 18:01	KAL
Aroclor-1242 [1]	ND	0.91	mg/Kg	10		SW-846 8082A	8/23/17	8/28/17 18:01	KAL
Aroclor-1248 [1]	ND	0.91	mg/Kg	10		SW-846 8082A	8/23/17	8/28/17 18:01	KAL
Aroclor-1254 [1]	ND	0.91	mg/Kg	10		SW-846 8082A	8/23/17	8/28/17 18:01	KAL
Aroclor-1260 [1]	ND	0.91	mg/Kg	10		SW-846 8082A	8/23/17	8/28/17 18:01	KAL
Aroclor-1262 [1]	ND	0.91	mg/Kg	10		SW-846 8082A	8/23/17	8/28/17 18:01	KAL
Aroclor-1268 [2]	ND	0.91	mg/Kg	10		SW-846 8082A	8/23/17	8/28/17 18:01	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	81.2	30-150		8/28/17 18:01
Decachlorobiphenyl [2]	68.0	30-150		8/28/17 18:01
Tetrachloro-m-xylene [1]	100	30-150		8/28/17 18:01
Tetrachloro-m-xylene [2]	102	30-150		8/28/17 18:01

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H0919

Date Received: 8/16/2017

Field Sample #: WS-AOC-9-AS-17 Sampled: 8/16/2017 12:45

Sample ID: 17H0919-13

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	8/23/17	8/28/17 18:13	KAL
Aroclor-1221 [1]	ND	0.96	mg/Kg	10		SW-846 8082A	8/23/17	8/28/17 18:13	KAL
Aroclor-1232 [1]	ND	0.96	mg/Kg	10		SW-846 8082A	8/23/17	8/28/17 18:13	KAL
Aroclor-1242 [1]	ND	0.96	mg/Kg	10		SW-846 8082A	8/23/17	8/28/17 18:13	KAL
Aroclor-1248 [1]	ND	0.96	mg/Kg	10		SW-846 8082A	8/23/17	8/28/17 18:13	KAL
Aroclor-1254 [1]	ND	0.96	mg/Kg	10		SW-846 8082A	8/23/17	8/28/17 18:13	KAL
Aroclor-1260 [1]	ND	0.96	mg/Kg	10		SW-846 8082A	8/23/17	8/28/17 18:13	KAL
Aroclor-1262 [1]	ND	0.96	mg/Kg	10		SW-846 8082A	8/23/17	8/28/17 18:13	KAL
Aroclor-1268 [2]	ND	0.96	mg/Kg	10		SW-846 8082A	8/23/17	8/28/17 18:13	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	80.1	30-150		8/28/17 18:13
Decachlorobiphenyl [2]	66.3	30-150		8/28/17 18:13
Tetrachloro-m-xylene [1]	99.2	30-150		8/28/17 18:13
Tetrachloro-m-xylene [2]	104	30-150		8/28/17 18:13

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H0919

Date Received: 8/16/2017

Field Sample #: WS-AOC-9-AS-20 Sampled: 8/16/2017 12:50

Sample ID: 17H0919-14

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	0.99	mg/Kg	10		SW-846 8082A	8/23/17	8/28/17 18:26	KAL
Aroclor-1221 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/23/17	8/28/17 18:26	KAL
Aroclor-1232 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/23/17	8/28/17 18:26	KAL
Aroclor-1242 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/23/17	8/28/17 18:26	KAL
Aroclor-1248 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/23/17	8/28/17 18:26	KAL
Aroclor-1254 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/23/17	8/28/17 18:26	KAL
Aroclor-1260 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/23/17	8/28/17 18:26	KAL
Aroclor-1262 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/23/17	8/28/17 18:26	KAL
Aroclor-1268 [2]	ND	0.99	mg/Kg	10		SW-846 8082A	8/23/17	8/28/17 18:26	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	74.5	30-150		8/28/17 18:26
Decachlorobiphenyl [2]	62.0	30-150		8/28/17 18:26
Tetrachloro-m-xylene [1]	91.9	30-150		8/28/17 18:26
Tetrachloro-m-xylene [2]	97.2	30-150		8/28/17 18:26

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: 17H0919

Date Received: 8/16/2017

Field Sample #: WS-AOC-9-AS-14 Sampled: 8/16/2017 12:55

Sample ID: 17H0919-15

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	0.88	mg/Kg	10		SW-846 8082A	8/23/17	8/28/17 18:38	KAL
Aroclor-1221 [1]	ND	0.88	mg/Kg	10		SW-846 8082A	8/23/17	8/28/17 18:38	KAL
Aroclor-1232 [1]	ND	0.88	mg/Kg	10		SW-846 8082A	8/23/17	8/28/17 18:38	KAL
Aroclor-1242 [1]	ND	0.88	mg/Kg	10		SW-846 8082A	8/23/17	8/28/17 18:38	KAL
Aroclor-1248 [1]	ND	0.88	mg/Kg	10		SW-846 8082A	8/23/17	8/28/17 18:38	KAL
Aroclor-1254 [1]	ND	0.88	mg/Kg	10		SW-846 8082A	8/23/17	8/28/17 18:38	KAL
Aroclor-1260 [1]	ND	0.88	mg/Kg	10		SW-846 8082A	8/23/17	8/28/17 18:38	KAL
Aroclor-1262 [1]	ND	0.88	mg/Kg	10		SW-846 8082A	8/23/17	8/28/17 18:38	KAL
Aroclor-1268 [2]	ND	0.88	mg/Kg	10		SW-846 8082A	8/23/17	8/28/17 18:38	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	78.2	30-150		8/28/17 18:38
Decachlorobiphenyl [2]	64.7	30-150		8/28/17 18:38
Tetrachloro-m-xylene [1]	98.0	30-150		8/28/17 18:38
Tetrachloro-m-xylene [2]	103	30-150		8/28/17 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: 17H0919

Date Received: 8/16/2017

Field Sample #: WS-AOC-9-AS-19 Sampled: 8/16/2017 13:00

Sample ID: 17H0919-16

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	0.87	mg/Kg	10		SW-846 8082A	8/23/17	8/28/17 18:51	KAL
Aroclor-1221 [1]	ND	0.87	mg/Kg	10		SW-846 8082A	8/23/17	8/28/17 18:51	KAL
Aroclor-1232 [1]	ND	0.87	mg/Kg	10		SW-846 8082A	8/23/17	8/28/17 18:51	KAL
Aroclor-1242 [1]	ND	0.87	mg/Kg	10		SW-846 8082A	8/23/17	8/28/17 18:51	KAL
Aroclor-1248 [1]	ND	0.87	mg/Kg	10		SW-846 8082A	8/23/17	8/28/17 18:51	KAL
Aroclor-1254 [1]	ND	0.87	mg/Kg	10		SW-846 8082A	8/23/17	8/28/17 18:51	KAL
Aroclor-1260 [1]	ND	0.87	mg/Kg	10		SW-846 8082A	8/23/17	8/28/17 18:51	KAL
Aroclor-1262 [1]	ND	0.87	mg/Kg	10		SW-846 8082A	8/23/17	8/28/17 18:51	KAL
Aroclor-1268 [2]	ND	0.87	mg/Kg	10		SW-846 8082A	8/23/17	8/28/17 18:51	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	77.7	30-150		8/28/17 18:51
Decachlorobiphenyl [2]	62.8	30-150		8/28/17 18:51
Tetrachloro-m-xylene [1]	99.1	30-150		8/28/17 18:51
Tetrachloro-m-xylene [2]	104	30-150		8/28/17 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: 17H0919

Date Received: 8/16/2017

Field Sample #: EB-42 Sampled: 8/16/2017 12:25

Sample ID: 17H0919-17

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	8/23/17	8/25/17 14:45	JMB
Aroclor-1221 [1]	ND	0.20	µg/L	1		SW-846 8082A	8/23/17	8/25/17 14:45	JMB
Aroclor-1232 [1]	ND	0.20	µg/L	1		SW-846 8082A	8/23/17	8/25/17 14:45	JMB
Aroclor-1242 [1]	ND	0.20	µg/L	1		SW-846 8082A	8/23/17	8/25/17 14:45	JMB
Aroclor-1248 [1]	ND	0.20	µg/L	1		SW-846 8082A	8/23/17	8/25/17 14:45	JMB
Aroclor-1254 [1]	ND	0.20	µg/L	1		SW-846 8082A	8/23/17	8/25/17 14:45	JMB
Aroclor-1260 [1]	ND	0.20	µg/L	1		SW-846 8082A	8/23/17	8/25/17 14:45	JMB
Aroclor-1262 [1]	ND	0.20	µg/L	1		SW-846 8082A	8/23/17	8/25/17 14:45	JMB
Aroclor-1268 [1]	ND	0.20	µg/L	1		SW-846 8082A	8/23/17	8/25/17 14:45	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	77.4	30-150		8/25/17 14:45
Decachlorobiphenyl [2]	85.8	30-150		8/25/17 14:45
Tetrachloro-m-xylene [1]	89.7	30-150		8/25/17 14:45
Tetrachloro-m-xylene [2]	93.7	30-150		8/25/17 14:45

con-test® ANALYTICAL LABORATORY

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
17H0919-01 [WS-AOC-10-CO-1]	B184700	2.16	10.0	08/23/17
17H0919-02 [WS-AOC-10-CO-2]	B184700	2.09	10.0	08/23/17
17H0919-03 [WS-AOC-11-CO-1]	B184700	2.16	10.0	08/23/17
17H0919-04 [WS-AOC-11-CO-2]	B184700	2.04	10.0	08/23/17
17H0919-05 [WS-AOC-11-CO-3]	B184700	2.80	10.0	08/23/17
17H0919-06 [WS-AOC-9-AS-26]	B184700	2.13	10.0	08/23/17
17H0919-07 [WS-AOC-9-AS-DUP-10]	B184700	2.34	10.0	08/23/17
17H0919-08 [WS-AOC-9-AS-21]	B184700	2.08	10.0	08/23/17
17H0919-09 [WS-AOC-9-AS-19]	B184700	2.05	10.0	08/23/17
17H0919-10 [WS-AOC-9-AS-24]	B184700	2.33	10.0	08/23/17
17H0919-11 [WS-AOC-9-AS-15]	B184700	2.07	10.0	08/23/17
17H0919-12 [WS-AOC-9-AS-22]	B184700	2.19	10.0	08/23/17
17H0919-13 [WS-AOC-9-AS-17]	B184700	2.08	10.0	08/23/17
17H0919-14 [WS-AOC-9-AS-20]	B184700	2.02	10.0	08/23/17
17H0919-15 [WS-AOC-9-AS-14]	B184700	2.27	10.0	08/23/17
17H0919-16 [WS-AOC-9-AS-19]	B184700	2.30	10.0	08/23/17

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

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
17H0919-17 [EB-42]	B184759	1000	10.0	08/23/17

con-test® ANALYTICAL LABORATORY

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

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 B184759 - SW-846 3510C										
Blank (B184759-BLK1)				Prepared: 08/23/17 Analyzed: 08/25/17						
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	*1.72*		µg/L	2.00		86.1	30-150			
Surrogate: Decachlorobiphenyl [2C]	*1.91*		µg/L	2.00		95.7	30-150			
Surrogate: Tetrachloro-m-xylene	*1.79*		µg/L	2.00		89.3	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.85*		µg/L	2.00		92.6	30-150			
LCS (B184759-BS1)				Prepared: 08/23/17 Analyzed: 08/25/17						
Aroclor-1016	0.48	0.20	µg/L	0.500		96.8	40-140			
Aroclor-1016 [2C]	0.51	0.20	µg/L	0.500		102	40-140			
Aroclor-1260	0.41	0.20	µg/L	0.500		82.9	40-140			
Aroclor-1260 [2C]	0.45	0.20	µg/L	0.500		89.6	40-140			
Surrogate: Decachlorobiphenyl	*1.80*		µg/L	2.00		90.2	30-150			
Surrogate: Decachlorobiphenyl [2C]	*2.00*		µg/L	2.00		100	30-150			
Surrogate: Tetrachloro-m-xylene	*1.81*		µg/L	2.00		90.3	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.88*		µg/L	2.00		94.1	30-150			
LCS Dup (B184759-BSD1)				Prepared: 08/23/17 Analyzed: 08/25/17						
Aroclor-1016	0.49	0.20	µg/L	0.500		98.1	40-140	1.31	20	
Aroclor-1016 [2C]	0.53	0.20	µg/L	0.500		106	40-140	3.88	20	
Aroclor-1260	0.41	0.20	µg/L	0.500		82.7	40-140	0.196	20	
Aroclor-1260 [2C]	0.45	0.20	µg/L	0.500		89.3	40-140	0.344	20	
Surrogate: Decachlorobiphenyl	*1.73*		µg/L	2.00		86.3	30-150			
Surrogate: Decachlorobiphenyl [2C]	*1.91*		µg/L	2.00		95.7	30-150			
Surrogate: Tetrachloro-m-xylene	*1.76*		µg/L	2.00		88.1	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.84*		µg/L	2.00		91.8	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 B184700 - SW-846 3540C										
Blank (B184700-BLK1)				Prepared: 08/23/17 Analyzed: 08/28/17						
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	*0.978*		mg/Kg	1.00		97.8	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.874*		mg/Kg	1.00		87.4	30-150			
Surrogate: Tetrachloro-m-xylene	*0.819*		mg/Kg	1.00		81.9	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.767*		mg/Kg	1.00		76.7	30-150			
LCS (B184700-BS1)				Prepared: 08/23/17 Analyzed: 08/28/17						
Aroclor-1016	0.91	0.10	mg/Kg	1.00		90.6	40-140			
Aroclor-1016 [2C]	0.90	0.10	mg/Kg	1.00		90.4	40-140			
Aroclor-1260	0.88	0.10	mg/Kg	1.00		87.5	40-140			
Aroclor-1260 [2C]	0.79	0.10	mg/Kg	1.00		78.8	40-140			
Surrogate: Decachlorobiphenyl	*0.976*		mg/Kg	1.00		97.6	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.865*		mg/Kg	1.00		86.5	30-150			
Surrogate: Tetrachloro-m-xylene	*0.819*		mg/Kg	1.00		81.9	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.761*		mg/Kg	1.00		76.1	30-150			
LCS Dup (B184700-BSD1)				Prepared: 08/23/17 Analyzed: 08/28/17						
Aroclor-1016	0.92	0.10	mg/Kg	1.00		91.8	40-140	1.28	30	
Aroclor-1016 [2C]	0.91	0.10	mg/Kg	1.00		90.5	40-140	0.144	30	
Aroclor-1260	0.87	0.10	mg/Kg	1.00		87.2	40-140	0.370	30	
Aroclor-1260 [2C]	0.79	0.10	mg/Kg	1.00		78.8	40-140	0.00127	30	
Surrogate: Decachlorobiphenyl	*0.986*		mg/Kg	1.00		98.6	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.872*		mg/Kg	1.00		87.2	30-150			
Surrogate: Tetrachloro-m-xylene	*0.850*		mg/Kg	1.00		85.0	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.802*		mg/Kg	1.00		80.2	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 B184700 - SW-846 3540C										
Matrix Spike (B184700-MS1)		**Source: 17H0919-06**		Prepared: 08/23/17 Analyzed: 08/28/17						
Aroclor-1016	0.99	0.84	mg/Kg	0.837	ND	118	40-140			
Aroclor-1016 [2C]	0.99	0.84	mg/Kg	0.837	ND	118	40-140			
Aroclor-1260	0.93	0.84	mg/Kg	0.837	ND	112	40-140			
Aroclor-1260 [2C]	0.92	0.84	mg/Kg	0.837	ND	110	40-140			
Surrogate: Decachlorobiphenyl	*0.703*		mg/Kg	0.837		84.0	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.632*		mg/Kg	0.837		75.6	30-150			
Surrogate: Tetrachloro-m-xylene	*0.832*		mg/Kg	0.837		99.4	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.825*		mg/Kg	0.837		98.6	30-150			
Matrix Spike Dup (B184700-MSD1)		**Source: 17H0919-06**		Prepared: 08/23/17 Analyzed: 08/28/17						
Aroclor-1016	1.1	0.98	mg/Kg	0.976	ND	112	40-140	10.7	50	
Aroclor-1016 [2C]	1.1	0.98	mg/Kg	0.976	ND	113	40-140	10.8	50	
Aroclor-1260	0.96	0.98	mg/Kg	0.976	ND	98.4	40-140	2.84	50	
Aroclor-1260 [2C]	0.96	0.98	mg/Kg	0.976	ND	98.0	40-140	3.97	50	
Surrogate: Decachlorobiphenyl	*0.779*		mg/Kg	0.976		79.8	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.686*		mg/Kg	0.976		70.3	30-150			
Surrogate: Tetrachloro-m-xylene	*0.874*		mg/Kg	0.976		89.6	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.917*		mg/Kg	0.976		94.0	30-150			

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC-10-CO-1

Lab Sample ID: 17H0919-01

Date(s) Analyzed: 08/28/2017 08/28/2017

Instrument ID (1): ECD3

Instrument ID (2): ECD3

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	0.16	
	2	0.000	0.000	0.000	0.16	0.0

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

SW-846 8082A

WS-AOC-9-AS-21

Lab Sample ID: 17H0919-08

Date(s) Analyzed: 08/28/2017 08/28/2017

Instrument ID (1): ECD3

Instrument ID (2): ECD3

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	0.000	0.000	3.0	
	2	0.000	0.000	0.000	2.6	14.3

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

SW-846 8082A

LCS

Lab Sample ID: B184700-BS1

Date(s) Analyzed: 08/28/2017 08/28/2017

Instrument ID (1): ECD3

Instrument ID (2): ECD3

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	0.90	1.1
Aroclor-1260	1	0.000	0.000	0.000	0.88	
	2	0.000	0.000	0.000	0.79	10.8

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS Dup

Lab Sample ID: B184700-BSD1 Date(s) Analyzed: 08/28/2017 08/28/2017

Instrument ID (1): ECD3 Instrument ID (2): ECD3

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	0.87	
	2	0.000	0.000	0.000	0.79	9.6

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

Matrix Spike

Lab Sample ID: B184700-MS1 Date(s) Analyzed: 08/28/2017 08/28/2017

Instrument ID (1): ECD3 Instrument ID (2): ECD3

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	0.99	
	2	0.000	0.000	0.000	0.99	0.0
Aroclor-1260	1	0.000	0.000	0.000	0.93	
	2	0.000	0.000	0.000	0.92	1.1

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

Matrix Spike Dup

Lab Sample ID: B184700-MSD1 Date(s) Analyzed: 08/28/2017 08/28/2017

Instrument ID (1): ECD3 Instrument ID (2): ECD3

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	1.1	
	2	0.000	0.000	0.000	1.1	0.0
Aroclor-1260	1	0.000	0.000	0.000	0.96	
	2	0.000	0.000	0.000	0.96	0.0

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS

Lab Sample ID: B184759-BS1

Date(s) Analyzed: 08/25/2017 08/25/2017

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	0.48	
	2	0.000	0.000	0.000	0.51	6.1
Aroclor-1260	1	0.000	0.000	0.000	0.41	
	2	0.000	0.000	0.000	0.45	9.3

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS Dup

Lab Sample ID: B184759-BSD1 Date(s) Analyzed: 08/25/2017 08/25/2017

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	0.49	
	2	0.000	0.000	0.000	0.53	7.8
Aroclor-1260	1	0.000	0.000	0.000	0.41	
	2	0.000	0.000	0.000	0.45	9.3

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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.
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 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

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

17H0919

http://www.contestlabs.com

Doc # 381 Rev 1_03242017

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 1 of 2

Company Name: Weston & Sampson
Address: 273 Dividend Rd Rocky Hill, CT
Phone: 860-SAMPSON
Project Name: English Station
Project Location: 510 Grand Ave New Haven, CT
Project Number: 0170495
Project Manager: Malcolm Becks
Con-Test Quote Name/Number:
Invoice Recipient:
Sampled By: TPS

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: Becks@mwseinc.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	WS-AOC-10-CO-1	8/16/17	~~1005~~ TPS	0925	X	O	U	X			
2	WS-AOC-10-CO-2		~~1010~~ TPS	0930							
3	WS-AOC-11-CO-1		~~1015~~ TPS	1005							
4	WS-AOC-11-CO-2			1010							
5	WS-AOC-11-CO-3			1015							
6	WS-AOC-9-AS-26			1200							
7	WS-AOC-9-AS-DUP-10			—							
8	WS-AOC-9-AS-21		1215								
9	WS-AOC-9-AS-19		1205								
10	WS-AOC-9-AS-24		1230								

Comments:
WS-AOC-9-AS-26 is 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

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)

Relinquished by: (signature)	Date/Time:
[signature]	8/16/17 1515
Received by: (signature) Tom Muir	Date/Time: 8/16/17 1515
Relinquished by: (signature) Tom Muir	Date/Time: 8/16/17 1900
Received by: (signature) S.G.	Date/Time: 8/16/17 1900
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:

Detection Limit Requirements
MA
CT 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

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17H0919

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Doc # 381 Rev 1_03242017

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CHAIN OF CUSTODY RECORD

39 Spruce Street
East Longmeadow, MA 01028

Company Name: Weston & Sampson.
Address: 273 Dividend Rd Rocky Hill, CT
Phone: 800-SAMPSON
Project Name: English Station
Project Location: 510 Grand Ave New Haven, CT
Project Number: 2170495.
Project Manager: Malcolm Becker.
Con-Test Quote Name/Number:
Invoice Recipient:
Sampled By: TPS

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: Becker@weston.com
Fax To #:

ANALYSIS REQUESTED

PCBs

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	[1]Matrix Code	Conc Code	PCBs	# of Containers	[2] Preservation Code	[3] Container Code
11	WS-AOC-9-AS-15	8/16/17	1235		X	O	U	X			
12	WS-AOC-9-AS-22	↓	1240		↓	↓	↓	↓			
13	WS-AOC-9-AS-17		1245								
14	WS-AOC-9-AS-20		1250								
15	WS-AOC-9-AS-14		1255								
16	WS-AOC-9-AS-19		1300								
17	EB-412	↓	1275.		↓	↓	↓	↓			

Comments:

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
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)

	Date/Time
Relinquished by: (signature)	8/16/17 1515
Received by: (signature) Tom Mau	8/16/17 1515
Relinquished by: (signature) Tom Mau	8/16/17 1900
Received by: (signature)	8/16/17 1900
Relinquished by: (signature)	
Received by: (signature)	

Detection Limit Requirements
MA
CT DEP
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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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 5/16/17 Time 1900

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 - 5.6
By Blank # ____ Actual Temp - ____

Was Custody Seal Intact? N/A Were Samples Tampered with? F
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~~ T (JM)
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.	2	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	18
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: 17H0919

Laboratory Sample ID(s):

17H0919-01 thru 17H0919-17

Sample Date(s):

08/16/2017

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:** **08/29/17**

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

October 13, 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: 17H1164

Enclosed are results of analyses for samples received by the laboratory on August 21, 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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17H1164-12 18

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17H1164-14 20

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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: 10/13/2017

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 2170495

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 17H1164

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-AOC10-CO-16	17H1164-01	soil		SW-846 8082A	
WS-AOC10-CO-17	17H1164-02	soil		SW-846 8082A	
WS-AOC10-CO-18	17H1164-03	soil		SW-846 8082A	
WS-AOC10-CO-19	17H1164-04	soil		SW-846 8082A	
WS-AOC10-CO-20	17H1164-05	soil		SW-846 8082A	
WS-AOC10-CO-21	17H1164-06	soil		SW-846 8082A	
WS-AOC10-CO-22	17H1164-07	soil		SW-846 8082A	
WS-AOC10-CO-23	17H1164-08	soil		SW-846 8082A	
WS-AOC10-CO-24	17H1164-09	soil		SW-846 8082A	
WS-AOC10-CO-25	17H1164-10	soil		SW-846 8082A	
WS-AOC10-CO-26	17H1164-11	soil		SW-846 8082A	
WS-AOC10-CO-27	17H1164-12	soil		SW-846 8082A	
WS-AOC10-CO-28	17H1164-13	soil		SW-846 8082A	
WS-AOC10-CO-29	17H1164-14	soil		SW-846 8082A	
WS-AOC10-CO-30	17H1164-15	soil		SW-846 8082A	
WS-AOC10-CO-31	17H1164-16	soil		SW-846 8082A	
WS-AOC10-CO-DUP12	17H1164-17	soil		SW-846 8082A	
WS-AOC10-CO-DUP13	17H1164-18	soil		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.

REVISED REPORT 10/13/17 - Sample IDs updated per client email.

SW-846 8082A

Qualifications:

MS-15

Matrix spike and matrix spike duplicate recoveries are outside of control limits. Data validation is not affected since results for this compound in this sample are "not detected", and recovery bias is on the high side.

Analyte & Samples(s) Qualified:

Aroclor-1016 [2C]
B184890-MS1, B184890-MSD1

MS-19

Sample to spike ratio is greater than or equal to 4:1. Spiked amount is not representative of the native amount in the sample. Appropriate or meaningful recoveries cannot be calculated.

Analyte & Samples(s) Qualified:

Aroclor-1260
B184890-MS1, B184890-MS2, B184890-MSD1, B184890-MSD2

Aroclor-1260 [2C]
B184890-MS1, B184890-MS2, B184890-MSD1, B184890-MSD2

MS-24

Either matrix spike or matrix spike duplicate is outside of control limits, but the other is within limits. Analysis is in control based on laboratory fortified blank recovery.

Analyte & Samples(s) Qualified:

Aroclor-1016
B184890-MSD1

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:

Decachlorobiphenyl
17H1164-04[WS-AOC10-CO-19], 17H1164-09[WS-AOC10-CO-24], 17H1164-10[WS-AOC10-CO-25], 17H1164-11[WS-AOC10-CO-26], 17H1164-12[WS-AOC10-CO-27], 17H1164-13[WS-AOC10-CO-28], B184890-MS2, B184890-MSD2

Decachlorobiphenyl [2C]
17H1164-04[WS-AOC10-CO-19], 17H1164-09[WS-AOC10-CO-24], 17H1164-10[WS-AOC10-CO-25], 17H1164-11[WS-AOC10-CO-26], 17H1164-12[WS-AOC10-CO-27], 17H1164-13[WS-AOC10-CO-28], B184890-MS2, B184890-MSD2

Tetrachloro-m-xylene
17H1164-04[WS-AOC10-CO-19], 17H1164-09[WS-AOC10-CO-24], 17H1164-10[WS-AOC10-CO-25], 17H1164-11[WS-AOC10-CO-26], 17H1164-12[WS-AOC10-CO-27], 17H1164-13[WS-AOC10-CO-28], B184890-MS2, B184890-MSD2

Tetrachloro-m-xylene [2C]
17H1164-04[WS-AOC10-CO-19], 17H1164-09[WS-AOC10-CO-24], 17H1164-10[WS-AOC10-CO-25], 17H1164-11[WS-AOC10-CO-26], 17H1164-12[WS-AOC10-CO-27], 17H1164-13[WS-AOC10-CO-28], B184890-MS2, B184890-MSD2

Z-01

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

Analyte & Samples(s) Qualified:

Aroclor-1016
B184890-MS2, B184890-MSD2

Aroclor-1016 [2C]
B184890-MS2, B184890-MSD2

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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.

James M. Georgantas
Project Management Supervisor

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1164

Date Received: 8/21/2017

Field Sample #: WS-AOC10-CO-16 Sampled: 8/21/2017 09:00

Sample ID: 17H1164-01

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	0.99	mg/Kg	10		SW-846 8082A	8/24/17	9/1/17 20:27	JMB
Aroclor-1221 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/24/17	9/1/17 20:27	JMB
Aroclor-1232 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/24/17	9/1/17 20:27	JMB
Aroclor-1242 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/24/17	9/1/17 20:27	JMB
Aroclor-1248 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/24/17	9/1/17 20:27	JMB
Aroclor-1254 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/24/17	9/1/17 20:27	JMB
Aroclor-1260 [1]	6.6	0.99	mg/Kg	10		SW-846 8082A	8/24/17	9/1/17 20:27	JMB
Aroclor-1262 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/24/17	9/1/17 20:27	JMB
Aroclor-1268 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/24/17	9/1/17 20:27	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	118	30-150		9/1/17 20:27
Decachlorobiphenyl [2]	116	30-150		9/1/17 20:27
Tetrachloro-m-xylene [1]	114	30-150		9/1/17 20:27
Tetrachloro-m-xylene [2]	126	30-150		9/1/17 20:27

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1164

Date Received: 8/21/2017

Field Sample #: WS-AOC10-CO-17 Sampled: 8/21/2017 09:05

Sample ID: 17H1164-02

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	0.98	mg/Kg	10		SW-846 8082A	8/24/17	9/1/17 20:46	JMB
Aroclor-1221 [1]	ND	0.98	mg/Kg	10		SW-846 8082A	8/24/17	9/1/17 20:46	JMB
Aroclor-1232 [1]	ND	0.98	mg/Kg	10		SW-846 8082A	8/24/17	9/1/17 20:46	JMB
Aroclor-1242 [1]	ND	0.98	mg/Kg	10		SW-846 8082A	8/24/17	9/1/17 20:46	JMB
Aroclor-1248 [1]	ND	0.98	mg/Kg	10		SW-846 8082A	8/24/17	9/1/17 20:46	JMB
Aroclor-1254 [1]	ND	0.98	mg/Kg	10		SW-846 8082A	8/24/17	9/1/17 20:46	JMB
Aroclor-1260 [1]	10	0.98	mg/Kg	10		SW-846 8082A	8/24/17	9/1/17 20:46	JMB
Aroclor-1262 [1]	ND	0.98	mg/Kg	10		SW-846 8082A	8/24/17	9/1/17 20:46	JMB
Aroclor-1268 [1]	ND	0.98	mg/Kg	10		SW-846 8082A	8/24/17	9/1/17 20:46	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	105	30-150		9/1/17 20:46
Decachlorobiphenyl [2]	106	30-150		9/1/17 20:46
Tetrachloro-m-xylene [1]	99.9	30-150		9/1/17 20:46
Tetrachloro-m-xylene [2]	113	30-150		9/1/17 20:46

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1164

Date Received: 8/21/2017

Field Sample #: WS-AOC10-CO-18 Sampled: 8/21/2017 09:10

Sample ID: 17H1164-03

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	1.0	mg/Kg	10		SW-846 8082A	8/24/17	9/1/17 21:04	JMB
Aroclor-1221 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	8/24/17	9/1/17 21:04	JMB
Aroclor-1232 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	8/24/17	9/1/17 21:04	JMB
Aroclor-1242 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	8/24/17	9/1/17 21:04	JMB
Aroclor-1248 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	8/24/17	9/1/17 21:04	JMB
Aroclor-1254 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	8/24/17	9/1/17 21:04	JMB
Aroclor-1260 [1]	5.4	1.0	mg/Kg	10		SW-846 8082A	8/24/17	9/1/17 21:04	JMB
Aroclor-1262 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	8/24/17	9/1/17 21:04	JMB
Aroclor-1268 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	8/24/17	9/1/17 21:04	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	105	30-150		9/1/17 21:04
Decachlorobiphenyl [2]	105	30-150		9/1/17 21:04
Tetrachloro-m-xylene [1]	97.4	30-150		9/1/17 21:04
Tetrachloro-m-xylene [2]	111	30-150		9/1/17 21:04

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1164

Date Received: 8/21/2017

Field Sample #: WS-AOC10-CO-19 Sampled: 8/21/2017 09:15

Sample ID: 17H1164-04

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	5.0	mg/Kg	50		SW-846 8082A	8/24/17	9/2/17 10:10	JMB
Aroclor-1221 [1]	ND	5.0	mg/Kg	50		SW-846 8082A	8/24/17	9/2/17 10:10	JMB
Aroclor-1232 [1]	ND	5.0	mg/Kg	50		SW-846 8082A	8/24/17	9/2/17 10:10	JMB
Aroclor-1242 [1]	ND	5.0	mg/Kg	50		SW-846 8082A	8/24/17	9/2/17 10:10	JMB
Aroclor-1248 [1]	ND	5.0	mg/Kg	50		SW-846 8082A	8/24/17	9/2/17 10:10	JMB
Aroclor-1254 [1]	ND	5.0	mg/Kg	50		SW-846 8082A	8/24/17	9/2/17 10:10	JMB
Aroclor-1260 [2]	26	5.0	mg/Kg	50		SW-846 8082A	8/24/17	9/2/17 10:10	JMB
Aroclor-1262 [1]	ND	5.0	mg/Kg	50		SW-846 8082A	8/24/17	9/2/17 10:10	JMB
Aroclor-1268 [1]	ND	5.0	mg/Kg	50		SW-846 8082A	8/24/17	9/2/17 10:10	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	*	30-150	S-01	9/2/17 10:10
Decachlorobiphenyl [2]	*	30-150	S-01	9/2/17 10:10
Tetrachloro-m-xylene [1]	*	30-150	S-01	9/2/17 10:10
Tetrachloro-m-xylene [2]	*	30-150	S-01	9/2/17 10:10

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1164

Date Received: 8/21/2017

Field Sample #: WS-AOC10-CO-20 Sampled: 8/21/2017 09:20

Sample ID: 17H1164-05

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	1.0	mg/Kg	10		SW-846 8082A	8/24/17	9/1/17 21:40	JMB
Aroclor-1221 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	8/24/17	9/1/17 21:40	JMB
Aroclor-1232 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	8/24/17	9/1/17 21:40	JMB
Aroclor-1242 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	8/24/17	9/1/17 21:40	JMB
Aroclor-1248 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	8/24/17	9/1/17 21:40	JMB
Aroclor-1254 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	8/24/17	9/1/17 21:40	JMB
Aroclor-1260 [2]	3.5	1.0	mg/Kg	10		SW-846 8082A	8/24/17	9/1/17 21:40	JMB
Aroclor-1262 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	8/24/17	9/1/17 21:40	JMB
Aroclor-1268 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	8/24/17	9/1/17 21:40	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	110	30-150		9/1/17 21:40
Decachlorobiphenyl [2]	109	30-150		9/1/17 21:40
Tetrachloro-m-xylene [1]	101	30-150		9/1/17 21:40
Tetrachloro-m-xylene [2]	113	30-150		9/1/17 21:40

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1164

Date Received: 8/21/2017

Field Sample #: WS-AOC10-CO-21 Sampled: 8/21/2017 09:25

Sample ID: 17H1164-06

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	1.0	mg/Kg	10		SW-846 8082A	8/24/17	9/1/17 21:58	JMB
Aroclor-1221 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	8/24/17	9/1/17 21:58	JMB
Aroclor-1232 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	8/24/17	9/1/17 21:58	JMB
Aroclor-1242 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	8/24/17	9/1/17 21:58	JMB
Aroclor-1248 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	8/24/17	9/1/17 21:58	JMB
Aroclor-1254 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	8/24/17	9/1/17 21:58	JMB
Aroclor-1260 [2]	3.5	1.0	mg/Kg	10		SW-846 8082A	8/24/17	9/1/17 21:58	JMB
Aroclor-1262 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	8/24/17	9/1/17 21:58	JMB
Aroclor-1268 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	8/24/17	9/1/17 21:58	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	113	30-150		9/1/17 21:58
Decachlorobiphenyl [2]	115	30-150		9/1/17 21:58
Tetrachloro-m-xylene [1]	107	30-150		9/1/17 21:58
Tetrachloro-m-xylene [2]	121	30-150		9/1/17 21:58

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1164

Date Received: 8/21/2017

Field Sample #: WS-AOC10-CO-22 Sampled: 8/21/2017 09:30

Sample ID: 17H1164-07

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	0.98	mg/Kg	10		SW-846 8082A	8/24/17	9/1/17 22:16	JMB
Aroclor-1221 [1]	ND	0.98	mg/Kg	10		SW-846 8082A	8/24/17	9/1/17 22:16	JMB
Aroclor-1232 [1]	ND	0.98	mg/Kg	10		SW-846 8082A	8/24/17	9/1/17 22:16	JMB
Aroclor-1242 [1]	ND	0.98	mg/Kg	10		SW-846 8082A	8/24/17	9/1/17 22:16	JMB
Aroclor-1248 [1]	ND	0.98	mg/Kg	10		SW-846 8082A	8/24/17	9/1/17 22:16	JMB
Aroclor-1254 [1]	ND	0.98	mg/Kg	10		SW-846 8082A	8/24/17	9/1/17 22:16	JMB
Aroclor-1260 [2]	2.6	0.98	mg/Kg	10		SW-846 8082A	8/24/17	9/1/17 22:16	JMB
Aroclor-1262 [1]	ND	0.98	mg/Kg	10		SW-846 8082A	8/24/17	9/1/17 22:16	JMB
Aroclor-1268 [1]	ND	0.98	mg/Kg	10		SW-846 8082A	8/24/17	9/1/17 22:16	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	97.6	30-150		9/1/17 22:16
Decachlorobiphenyl [2]	95.8	30-150		9/1/17 22:16
Tetrachloro-m-xylene [1]	96.2	30-150		9/1/17 22:16
Tetrachloro-m-xylene [2]	106	30-150		9/1/17 22:16

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1164

Date Received: 8/21/2017

Field Sample #: WS-AOC10-CO-23 Sampled: 8/21/2017 09:35

Sample ID: 17H1164-08

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	1.0	mg/Kg	10		SW-846 8082A	8/24/17	9/1/17 22:34	JMB
Aroclor-1221 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	8/24/17	9/1/17 22:34	JMB
Aroclor-1232 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	8/24/17	9/1/17 22:34	JMB
Aroclor-1242 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	8/24/17	9/1/17 22:34	JMB
Aroclor-1248 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	8/24/17	9/1/17 22:34	JMB
Aroclor-1254 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	8/24/17	9/1/17 22:34	JMB
Aroclor-1260 [2]	3.2	1.0	mg/Kg	10		SW-846 8082A	8/24/17	9/1/17 22:34	JMB
Aroclor-1262 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	8/24/17	9/1/17 22:34	JMB
Aroclor-1268 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	8/24/17	9/1/17 22:34	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	100	30-150		9/1/17 22:34
Decachlorobiphenyl [2]	100	30-150		9/1/17 22:34
Tetrachloro-m-xylene [1]	96.5	30-150		9/1/17 22:34
Tetrachloro-m-xylene [2]	109	30-150		9/1/17 22:34

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1164

Date Received: 8/21/2017

Field Sample #: WS-AOC10-CO-24 Sampled: 8/21/2017 09:40

Sample ID: 17H1164-09

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	100	mg/Kg	1000		SW-846 8082A	8/24/17	9/2/17 10:28	JMB
Aroclor-1221 [1]	ND	100	mg/Kg	1000		SW-846 8082A	8/24/17	9/2/17 10:28	JMB
Aroclor-1232 [1]	ND	100	mg/Kg	1000		SW-846 8082A	8/24/17	9/2/17 10:28	JMB
Aroclor-1242 [1]	ND	100	mg/Kg	1000		SW-846 8082A	8/24/17	9/2/17 10:28	JMB
Aroclor-1248 [1]	ND	100	mg/Kg	1000		SW-846 8082A	8/24/17	9/2/17 10:28	JMB
Aroclor-1254 [1]	ND	100	mg/Kg	1000		SW-846 8082A	8/24/17	9/2/17 10:28	JMB
Aroclor-1260 [1]	790	100	mg/Kg	1000		SW-846 8082A	8/24/17	9/2/17 10:28	JMB
Aroclor-1262 [1]	ND	100	mg/Kg	1000		SW-846 8082A	8/24/17	9/2/17 10:28	JMB
Aroclor-1268 [1]	ND	100	mg/Kg	1000		SW-846 8082A	8/24/17	9/2/17 10:28	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	*	30-150	S-01	9/2/17 10:28
Decachlorobiphenyl [2]	*	30-150	S-01	9/2/17 10:28
Tetrachloro-m-xylene [1]	*	30-150	S-01	9/2/17 10:28
Tetrachloro-m-xylene [2]	*	30-150	S-01	9/2/17 10:28

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: 17H1164

Date Received: 8/21/2017

Field Sample #: WS-AOC10-CO-25 Sampled: 8/21/2017 09:45

Sample ID: 17H1164-10

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	200	mg/Kg	2000		SW-846 8082A	8/24/17	9/2/17 10:47	JMB
Aroclor-1221 [1]	ND	200	mg/Kg	2000		SW-846 8082A	8/24/17	9/2/17 10:47	JMB
Aroclor-1232 [1]	ND	200	mg/Kg	2000		SW-846 8082A	8/24/17	9/2/17 10:47	JMB
Aroclor-1242 [1]	ND	200	mg/Kg	2000		SW-846 8082A	8/24/17	9/2/17 10:47	JMB
Aroclor-1248 [1]	ND	200	mg/Kg	2000		SW-846 8082A	8/24/17	9/2/17 10:47	JMB
Aroclor-1254 [1]	ND	200	mg/Kg	2000		SW-846 8082A	8/24/17	9/2/17 10:47	JMB
Aroclor-1260 [1]	1700	200	mg/Kg	2000		SW-846 8082A	8/24/17	9/2/17 10:47	JMB
Aroclor-1262 [1]	ND	200	mg/Kg	2000		SW-846 8082A	8/24/17	9/2/17 10:47	JMB
Aroclor-1268 [1]	ND	200	mg/Kg	2000		SW-846 8082A	8/24/17	9/2/17 10:47	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	*	30-150	S-01	9/2/17 10:47
Decachlorobiphenyl [2]	*	30-150	S-01	9/2/17 10:47
Tetrachloro-m-xylene [1]	*	30-150	S-01	9/2/17 10:47
Tetrachloro-m-xylene [2]	*	30-150	S-01	9/2/17 10:47

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: 17H1164

Date Received: 8/21/2017

Field Sample #: WS-AOC10-CO-26 Sampled: 8/21/2017 09:50

Sample ID: 17H1164-11

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	2500	mg/Kg	25000		SW-846 8082A	8/24/17	9/3/17 10:39	JMB
Aroclor-1221 [1]	ND	2500	mg/Kg	25000		SW-846 8082A	8/24/17	9/3/17 10:39	JMB
Aroclor-1232 [1]	ND	2500	mg/Kg	25000		SW-846 8082A	8/24/17	9/3/17 10:39	JMB
Aroclor-1242 [1]	ND	2500	mg/Kg	25000		SW-846 8082A	8/24/17	9/3/17 10:39	JMB
Aroclor-1248 [1]	ND	2500	mg/Kg	25000		SW-846 8082A	8/24/17	9/3/17 10:39	JMB
Aroclor-1254 [1]	ND	2500	mg/Kg	25000		SW-846 8082A	8/24/17	9/3/17 10:39	JMB
Aroclor-1260 [2]	11000	2500	mg/Kg	25000		SW-846 8082A	8/24/17	9/3/17 10:39	JMB
Aroclor-1262 [1]	ND	2500	mg/Kg	25000		SW-846 8082A	8/24/17	9/3/17 10:39	JMB
Aroclor-1268 [1]	ND	2500	mg/Kg	25000		SW-846 8082A	8/24/17	9/3/17 10:39	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	*	30-150	S-01	9/3/17 10:39
Decachlorobiphenyl [2]	*	30-150	S-01	9/3/17 10:39
Tetrachloro-m-xylene [1]	*	30-150	S-01	9/3/17 10:39
Tetrachloro-m-xylene [2]	*	30-150	S-01	9/3/17 10:39

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: 17H1164

Date Received: 8/21/2017

Field Sample #: WS-AOC10-CO-27 Sampled: 8/21/2017 09:55

Sample ID: 17H1164-12

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	10	mg/Kg	100		SW-846 8082A	8/24/17	9/2/17 11:23	JMB
Aroclor-1221 [1]	ND	10	mg/Kg	100		SW-846 8082A	8/24/17	9/2/17 11:23	JMB
Aroclor-1232 [1]	ND	10	mg/Kg	100		SW-846 8082A	8/24/17	9/2/17 11:23	JMB
Aroclor-1242 [1]	ND	10	mg/Kg	100		SW-846 8082A	8/24/17	9/2/17 11:23	JMB
Aroclor-1248 [1]	ND	10	mg/Kg	100		SW-846 8082A	8/24/17	9/2/17 11:23	JMB
Aroclor-1254 [1]	ND	10	mg/Kg	100		SW-846 8082A	8/24/17	9/2/17 11:23	JMB
Aroclor-1260 [2]	62	10	mg/Kg	100		SW-846 8082A	8/24/17	9/2/17 11:23	JMB
Aroclor-1262 [1]	ND	10	mg/Kg	100		SW-846 8082A	8/24/17	9/2/17 11:23	JMB
Aroclor-1268 [1]	ND	10	mg/Kg	100		SW-846 8082A	8/24/17	9/2/17 11:23	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	*	30-150	S-01	9/2/17 11:23
Decachlorobiphenyl [2]	*	30-150	S-01	9/2/17 11:23
Tetrachloro-m-xylene [1]	*	30-150	S-01	9/2/17 11:23
Tetrachloro-m-xylene [2]	*	30-150	S-01	9/2/17 11:23

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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: 17H1164

Date Received: 8/21/2017

Field Sample #: WS-AOC10-CO-28 Sampled: 8/21/2017 10:00

Sample ID: 17H1164-13

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	9.8	mg/Kg	100		SW-846 8082A	8/24/17	9/2/17 11:41	JMB
Aroclor-1221 [1]	ND	9.8	mg/Kg	100		SW-846 8082A	8/24/17	9/2/17 11:41	JMB
Aroclor-1232 [1]	ND	9.8	mg/Kg	100		SW-846 8082A	8/24/17	9/2/17 11:41	JMB
Aroclor-1242 [1]	ND	9.8	mg/Kg	100		SW-846 8082A	8/24/17	9/2/17 11:41	JMB
Aroclor-1248 [1]	ND	9.8	mg/Kg	100		SW-846 8082A	8/24/17	9/2/17 11:41	JMB
Aroclor-1254 [1]	ND	9.8	mg/Kg	100		SW-846 8082A	8/24/17	9/2/17 11:41	JMB
Aroclor-1260 [2]	44	9.8	mg/Kg	100		SW-846 8082A	8/24/17	9/2/17 11:41	JMB
Aroclor-1262 [1]	ND	9.8	mg/Kg	100		SW-846 8082A	8/24/17	9/2/17 11:41	JMB
Aroclor-1268 [1]	ND	9.8	mg/Kg	100		SW-846 8082A	8/24/17	9/2/17 11:41	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	*	30-150	S-01	9/2/17 11:41
Decachlorobiphenyl [2]	*	30-150	S-01	9/2/17 11:41
Tetrachloro-m-xylene [1]	*	30-150	S-01	9/2/17 11:41
Tetrachloro-m-xylene [2]	*	30-150	S-01	9/2/17 11:41

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: 17H1164

Date Received: 8/21/2017

Field Sample #: WS-AOC10-CO-29 Sampled: 8/21/2017 10:05

Sample ID: 17H1164-14

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	0.98	mg/Kg	10		SW-846 8082A	8/24/17	9/2/17 13:23	JMB
Aroclor-1221 [1]	ND	0.98	mg/Kg	10		SW-846 8082A	8/24/17	9/2/17 13:23	JMB
Aroclor-1232 [1]	ND	0.98	mg/Kg	10		SW-846 8082A	8/24/17	9/2/17 13:23	JMB
Aroclor-1242 [1]	ND	0.98	mg/Kg	10		SW-846 8082A	8/24/17	9/2/17 13:23	JMB
Aroclor-1248 [1]	ND	0.98	mg/Kg	10		SW-846 8082A	8/24/17	9/2/17 13:23	JMB
Aroclor-1254 [1]	ND	0.98	mg/Kg	10		SW-846 8082A	8/24/17	9/2/17 13:23	JMB
Aroclor-1260 [2]	2.9	0.98	mg/Kg	10		SW-846 8082A	8/24/17	9/2/17 13:23	JMB
Aroclor-1262 [1]	ND	0.98	mg/Kg	10		SW-846 8082A	8/24/17	9/2/17 13:23	JMB
Aroclor-1268 [1]	ND	0.98	mg/Kg	10		SW-846 8082A	8/24/17	9/2/17 13:23	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	112	30-150		9/2/17 13:23
Decachlorobiphenyl [2]	120	30-150		9/2/17 13:23
Tetrachloro-m-xylene [1]	103	30-150		9/2/17 13:23
Tetrachloro-m-xylene [2]	116	30-150		9/2/17 13:23

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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: 17H1164

Date Received: 8/21/2017

Field Sample #: WS-AOC10-CO-30 Sampled: 8/21/2017 10:10

Sample ID: 17H1164-15

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	0.99	mg/Kg	10		SW-846 8082A	8/24/17	9/2/17 13:42	JMB
Aroclor-1221 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/24/17	9/2/17 13:42	JMB
Aroclor-1232 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/24/17	9/2/17 13:42	JMB
Aroclor-1242 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/24/17	9/2/17 13:42	JMB
Aroclor-1248 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/24/17	9/2/17 13:42	JMB
Aroclor-1254 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/24/17	9/2/17 13:42	JMB
Aroclor-1260 [2]	10	0.99	mg/Kg	10		SW-846 8082A	8/24/17	9/2/17 13:42	JMB
Aroclor-1262 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/24/17	9/2/17 13:42	JMB
Aroclor-1268 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/24/17	9/2/17 13:42	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	106	30-150		9/2/17 13:42
Decachlorobiphenyl [2]	109	30-150		9/2/17 13:42
Tetrachloro-m-xylene [1]	97.0	30-150		9/2/17 13:42
Tetrachloro-m-xylene [2]	111	30-150		9/2/17 13:42

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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: 17H1164

Date Received: 8/21/2017

Field Sample #: WS-AOC10-CO-31 Sampled: 8/21/2017 10:15

Sample ID: 17H1164-16

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	1.0	mg/Kg	10		SW-846 8082A	8/24/17	9/2/17 14:00	JMB
Aroclor-1221 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	8/24/17	9/2/17 14:00	JMB
Aroclor-1232 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	8/24/17	9/2/17 14:00	JMB
Aroclor-1242 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	8/24/17	9/2/17 14:00	JMB
Aroclor-1248 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	8/24/17	9/2/17 14:00	JMB
Aroclor-1254 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	8/24/17	9/2/17 14:00	JMB
Aroclor-1260 [2]	6.4	1.0	mg/Kg	10		SW-846 8082A	8/24/17	9/2/17 14:00	JMB
Aroclor-1262 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	8/24/17	9/2/17 14:00	JMB
Aroclor-1268 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	8/24/17	9/2/17 14:00	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	111	30-150		9/2/17 14:00
Decachlorobiphenyl [2]	113	30-150		9/2/17 14:00
Tetrachloro-m-xylene [1]	106	30-150		9/2/17 14:00
Tetrachloro-m-xylene [2]	123	30-150		9/2/17 14:00

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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: 17H1164

Date Received: 8/21/2017

Field Sample #: WS-AOC10-CO-DUP12 Sampled: 8/21/2017 00:00

Sample ID: 17H1164-17

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	0.99	mg/Kg	10		SW-846 8082A	8/24/17	9/2/17 14:18	JMB
Aroclor-1221 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/24/17	9/2/17 14:18	JMB
Aroclor-1232 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/24/17	9/2/17 14:18	JMB
Aroclor-1242 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/24/17	9/2/17 14:18	JMB
Aroclor-1248 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/24/17	9/2/17 14:18	JMB
Aroclor-1254 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/24/17	9/2/17 14:18	JMB
Aroclor-1260 [1]	7.6	0.99	mg/Kg	10		SW-846 8082A	8/24/17	9/2/17 14:18	JMB
Aroclor-1262 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/24/17	9/2/17 14:18	JMB
Aroclor-1268 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/24/17	9/2/17 14:18	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	111	30-150		9/2/17 14:18
Decachlorobiphenyl [2]	110	30-150		9/2/17 14:18
Tetrachloro-m-xylene [1]	103	30-150		9/2/17 14:18
Tetrachloro-m-xylene [2]	119	30-150		9/2/17 14:18

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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: 17H1164

Date Received: 8/21/2017

Field Sample #: WS-AOC10-CO-DUP13 Sampled: 8/21/2017 00:00

Sample ID: 17H1164-18

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	0.99	mg/Kg	10		SW-846 8082A	8/24/17	9/2/17 14:36	JMB
Aroclor-1221 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/24/17	9/2/17 14:36	JMB
Aroclor-1232 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/24/17	9/2/17 14:36	JMB
Aroclor-1242 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/24/17	9/2/17 14:36	JMB
Aroclor-1248 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/24/17	9/2/17 14:36	JMB
Aroclor-1254 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/24/17	9/2/17 14:36	JMB
Aroclor-1260 [2]	2.7	0.99	mg/Kg	10		SW-846 8082A	8/24/17	9/2/17 14:36	JMB
Aroclor-1262 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/24/17	9/2/17 14:36	JMB
Aroclor-1268 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/24/17	9/2/17 14:36	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	123	30-150		9/2/17 14:36
Decachlorobiphenyl [2]	119	30-150		9/2/17 14:36
Tetrachloro-m-xylene [1]	117	30-150		9/2/17 14:36
Tetrachloro-m-xylene [2]	134	30-150		9/2/17 14:36

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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
17H1164-01 [WS-AOC10-CO-16]	B184890	2.02	10.0	08/24/17
17H1164-02 [WS-AOC10-CO-17]	B184890	2.04	10.0	08/24/17
17H1164-03 [WS-AOC10-CO-18]	B184890	2.01	10.0	08/24/17
17H1164-04 [WS-AOC10-CO-19]	B184890	2.00	10.0	08/24/17
17H1164-05 [WS-AOC10-CO-20]	B184890	2.00	10.0	08/24/17
17H1164-06 [WS-AOC10-CO-21]	B184890	2.01	10.0	08/24/17
17H1164-07 [WS-AOC10-CO-22]	B184890	2.04	10.0	08/24/17
17H1164-08 [WS-AOC10-CO-23]	B184890	2.01	10.0	08/24/17
17H1164-09 [WS-AOC10-CO-24]	B184890	2.00	10.0	08/24/17
17H1164-10 [WS-AOC10-CO-25]	B184890	2.01	10.0	08/24/17
17H1164-11 [WS-AOC10-CO-26]	B184890	2.01	10.0	08/24/17
17H1164-12 [WS-AOC10-CO-27]	B184890	2.01	10.0	08/24/17
17H1164-13 [WS-AOC10-CO-28]	B184890	2.04	10.0	08/24/17
17H1164-14 [WS-AOC10-CO-29]	B184890	2.05	10.0	08/24/17
17H1164-15 [WS-AOC10-CO-30]	B184890	2.03	10.0	08/24/17
17H1164-16 [WS-AOC10-CO-31]	B184890	2.01	10.0	08/24/17
17H1164-17 [WS-AOC10-CO-DUP12]	B184890	2.02	10.0	08/24/17
17H1164-18 [WS-AOC10-CO-DUP13]	B184890	2.03	10.0	08/24/17

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

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 B184890 - SW-846 3540C										
Blank (B184890-BLK1)				Prepared: 08/24/17 Analyzed: 08/28/17						
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	*1.15*		mg/Kg	1.00		115	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.952*		mg/Kg	1.00		95.2	30-150			
Surrogate: Tetrachloro-m-xylene	*0.931*		mg/Kg	1.00		93.1	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.900*		mg/Kg	1.00		90.0	30-150			
LCS (B184890-BS1)				Prepared: 08/24/17 Analyzed: 08/28/17						
Aroclor-1016	0.96	0.10	mg/Kg	1.00		96.3	40-140			
Aroclor-1016 [2C]	0.97	0.10	mg/Kg	1.00		96.5	40-140			
Aroclor-1260	0.96	0.10	mg/Kg	1.00		95.9	40-140			
Aroclor-1260 [2C]	0.86	0.10	mg/Kg	1.00		85.7	40-140			
Surrogate: Decachlorobiphenyl	*1.19*		mg/Kg	1.00		119	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.979*		mg/Kg	1.00		97.9	30-150			
Surrogate: Tetrachloro-m-xylene	*0.961*		mg/Kg	1.00		96.1	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.927*		mg/Kg	1.00		92.7	30-150			
LCS Dup (B184890-BSD1)				Prepared: 08/24/17 Analyzed: 08/28/17						
Aroclor-1016	1.0	0.10	mg/Kg	1.00		101	40-140	4.78	30	
Aroclor-1016 [2C]	0.99	0.10	mg/Kg	1.00		99.1	40-140	2.61	30	
Aroclor-1260	0.99	0.10	mg/Kg	1.00		98.6	40-140	2.68	30	
Aroclor-1260 [2C]	0.88	0.10	mg/Kg	1.00		87.8	40-140	2.51	30	
Surrogate: Decachlorobiphenyl	*1.23*		mg/Kg	1.00		123	30-150			
Surrogate: Decachlorobiphenyl [2C]	*1.01*		mg/Kg	1.00		101	30-150			
Surrogate: Tetrachloro-m-xylene	*0.998*		mg/Kg	1.00		99.8	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.961*		mg/Kg	1.00		96.1	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 B184890 - SW-846 3540C											
Matrix Spike (B184890-MS1)		**Source: 17H1164-03**		Prepared: 08/24/17 Analyzed: 09/02/17							
Aroclor-1016	1.3	0.99	mg/Kg	0.985	ND	136		40-140			
Aroclor-1016 [2C]	1.7	0.99	mg/Kg	0.985	ND	**168**	*	40-140			MS-15
Aroclor-1260	7.1	0.99	mg/Kg	0.985	5.4	**177**	*	40-140			MS-19
Aroclor-1260 [2C]	6.9	0.99	mg/Kg	0.985	5.3	**161**	*	40-140			MS-19
Surrogate: Decachlorobiphenyl	*1.05*		mg/Kg	0.985		107		30-150			
Surrogate: Decachlorobiphenyl [2C]	*1.04*		mg/Kg	0.985		106		30-150			
Surrogate: Tetrachloro-m-xylene	*0.969*		mg/Kg	0.985		98.3		30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.11*		mg/Kg	0.985		113		30-150			
Matrix Spike (B184890-MS2)		**Source: 17H1164-10**		Prepared: 08/24/17 Analyzed: 09/02/17							
Aroclor-1016	ND	200	mg/Kg	0.990	ND		*	40-140			Z-01
Aroclor-1016 [2C]	ND	200	mg/Kg	0.990	ND		*	40-140			Z-01
Aroclor-1260	2000	200	mg/Kg	0.990	1700	**28100**	*	40-140			MS-19
Aroclor-1260 [2C]	1900	200	mg/Kg	0.990	1700	**21600**	*	40-140			MS-19
Surrogate: Decachlorobiphenyl	*0.00*		mg/Kg	0.990			*	30-150			S-01
Surrogate: Decachlorobiphenyl [2C]	*0.00*		mg/Kg	0.990			*	30-150			S-01
Surrogate: Tetrachloro-m-xylene	*0.00*		mg/Kg	0.990			*	30-150			S-01
Surrogate: Tetrachloro-m-xylene [2C]	*0.00*		mg/Kg	0.990			*	30-150			S-01
Matrix Spike Dup (B184890-MSD1)		**Source: 17H1164-03**		Prepared: 08/24/17 Analyzed: 09/02/17							
Aroclor-1016	1.4	1.0	mg/Kg	0.995	ND	**141**	*	40-140	4.69	50	MS-24
Aroclor-1016 [2C]	2.0	1.0	mg/Kg	0.995	ND	**199**	*	40-140	18.1	50	MS-15
Aroclor-1260	7.3	1.0	mg/Kg	0.995	5.4	**191**	*	40-140	2.15	50	MS-19
Aroclor-1260 [2C]	8.2	1.0	mg/Kg	0.995	5.3	**293**	*	40-140	17.6	50	MS-19
Surrogate: Decachlorobiphenyl	*1.20*		mg/Kg	0.995		120		30-150			
Surrogate: Decachlorobiphenyl [2C]	*1.15*		mg/Kg	0.995		115		30-150			
Surrogate: Tetrachloro-m-xylene	*1.01*		mg/Kg	0.995		101		30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.17*		mg/Kg	0.995		117		30-150			
Matrix Spike Dup (B184890-MSD2)		**Source: 17H1164-10**		Prepared: 08/24/17 Analyzed: 09/02/17							
Aroclor-1016	ND	200	mg/Kg	1.00	ND		*	40-140	NC	50	Z-01
Aroclor-1016 [2C]	ND	200	mg/Kg	1.00	ND		*	40-140	NC	50	Z-01
Aroclor-1260	1900	200	mg/Kg	1.00	1700	**22900**	*	40-140	2.50	50	MS-19
Aroclor-1260 [2C]	1900	200	mg/Kg	1.00	1700	**18200**	*	40-140	1.66	50	MS-19
Surrogate: Decachlorobiphenyl	*0.00*		mg/Kg	1.00			*	30-150			S-01
Surrogate: Decachlorobiphenyl [2C]	*0.00*		mg/Kg	1.00			*	30-150			S-01
Surrogate: Tetrachloro-m-xylene	*0.00*		mg/Kg	1.00			*	30-150			S-01
Surrogate: Tetrachloro-m-xylene [2C]	*0.00*		mg/Kg	1.00			*	30-150			S-01

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC10-CO-16

Lab Sample ID: 17H1164-01 Date(s) Analyzed 09/01/2017 09/01/2017

Instrument ID (1): ECD3 Instrument ID (2): ECD3

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	6.6	
	2	0.000	0.000	0.000	6.2	6.3

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC10-CO-17

Lab Sample ID: 17H1164-02 Date(s) Analyzed 09/01/2017 09/01/2017

Instrument ID (1): ECD3 Instrument ID (2): ECD3

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	10	
	2	0.000	0.000	0.000	10	0.0

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC10-CO-18

Lab Sample ID: 17H1164-03 Date(s) Analyzed 09/01/2017 09/01/2017

Instrument ID (1): ECD3 Instrument ID (2): ECD3

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	5.4	
	2	0.000	0.000	0.000	5.3	1.9

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC10-CO-19

Lab Sample ID: 17H1164-04 Date(s) Analyzed 09/02/2017 09/02/2017

Instrument ID (1): ECD3 Instrument ID (2): ECD3

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	26	
	2	0.000	0.000	0.000	26	0.0

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC10-CO-20

Lab Sample ID: 17H1164-05 Date(s) Analyzed 09/01/2017 09/01/2017

Instrument ID (1): ECD3 Instrument ID (2): ECD3

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	3.4	
	2	0.000	0.000	0.000	3.5	2.9

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC10-CO-21

Lab Sample ID: 17H1164-06 Date(s) Analyzed 09/01/2017 09/01/2017

Instrument ID (1): ECD3 Instrument ID (2): ECD3

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	3.5	
	2	0.000	0.000	0.000	3.5	0.0

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC10-CO-22

Lab Sample ID: 17H1164-07 Date(s) Analyzed 09/01/2017 09/01/2017

Instrument ID (1): ECD3 Instrument ID (2): ECD3

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	2.5	
	2	0.000	0.000	0.000	2.6	3.9

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC10-CO-23

Lab Sample ID: 17H1164-08

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

Instrument ID (1): ECD3

Instrument ID (2): ECD3

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	3.1	
	2	0.000	0.000	0.000	3.2	3.2

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC10-CO-24

Lab Sample ID: 17H1164-09 Date(s) Analyzed 09/02/2017 09/02/2017

Instrument ID (1): ECD3 Instrument ID (2): ECD3

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	790	
	2	0.000	0.000	0.000	790	0.0

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC10-CO-25

Lab Sample ID: 17H1164-10 Date(s) Analyzed 09/02/2017 09/02/2017

Instrument ID (1): ECD3 Instrument ID (2): ECD3

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	1700	
	2	0.000	0.000	0.000	1700	0.0

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC10-CO-26

Lab Sample ID: 17H1164-11 Date(s) Analyzed 09/03/2017 09/03/2017

Instrument ID (1): ECD3 Instrument ID (2): ECD3

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	11000	
	2	0.000	0.000	0.000	11000	0.0

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC10-CO-27

Lab Sample ID: 17H1164-12 Date(s) Analyzed 09/02/2017 09/02/2017

Instrument ID (1): ECD3 Instrument ID (2): ECD3

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	62	
	2	0.000	0.000	0.000	62	0.0

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC10-CO-28

Lab Sample ID: 17H1164-13 Date(s) Analyzed 09/02/2017 09/02/2017

Instrument ID (1): ECD3 Instrument ID (2): ECD3

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	42	
	2	0.000	0.000	0.000	44	4.7

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC10-CO-29

Lab Sample ID: 17H1164-14 Date(s) Analyzed 09/02/2017 09/02/2017

Instrument ID (1): ECD3 Instrument ID (2): ECD3

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	2.8	
	2	0.000	0.000	0.000	2.9	3.5

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC10-CO-30

Lab Sample ID: 17H1164-15 Date(s) Analyzed 09/02/2017 09/02/2017

Instrument ID (1): ECD3 Instrument ID (2): ECD3

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	10	
	2	0.000	0.000	0.000	10	0.0

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC10-CO-31

Lab Sample ID: 17H1164-16 Date(s) Analyzed 09/02/2017 09/02/2017

Instrument ID (1): ECD3 Instrument ID (2): ECD3

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	6.4	
	2	0.000	0.000	0.000	6.4	0.0

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

Dup-12

Lab Sample ID: 17H1164-17 Date(s) Analyzed 09/02/2017 09/02/2017

Instrument ID (1): ECD3 Instrument ID (2): ECD3

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	7.6	
	2	0.000	0.000	0.000	7.3	4.0

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

Dup-13

Lab Sample ID: 17H1164-18 Date(s) Analyzed 09/02/2017 09/02/2017

Instrument ID (1): ECD3 Instrument ID (2): ECD3

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	2.5	
	2	0.000	0.000	0.000	2.7	7.7

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

SW-846 8082A

LCS

Lab Sample ID: B184890-BS1

Date(s) Analyzed 08/28/2017 08/28/2017

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-1016	1	0.000	0.000	0.000	0.96	
	2	0.000	0.000	0.000	0.97	1.0
Aroclor-1260	1	0.000	0.000	0.000	0.96	
	2	0.000	0.000	0.000	0.86	11.0

con-test® ANALYTICAL LABORATORY

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS Dup

Lab Sample ID: B184890-BSD1 Date(s) Analyzed 08/28/2017 08/28/2017

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-1016	1	0.000	0.000	0.000	1.0	
	2	0.000	0.000	0.000	0.99	1.0
Aroclor-1260	1	0.000	0.000	0.000	0.99	
	2	0.000	0.000	0.000	0.88	11.8

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

Matrix Spike

Lab Sample ID: B184890-MS1 Date(s) Analyzed 09/02/2017 09/02/2017

Instrument ID (1): ECD3 Instrument ID (2): ECD3

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	1.3	
	2	0.000	0.000	0.000	1.7	26.7
Aroclor-1260	1	0.000	0.000	0.000	7.1	
	2	0.000	0.000	0.000	6.9	2.9

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

Matrix Spike

Lab Sample ID: B184890-MS2 Date(s) Analyzed 09/02/2017 09/02/2017

Instrument ID (1): ECD3 Instrument ID (2): ECD3

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	2000	
	2	0.000	0.000	0.000	1900	5.1

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

Matrix Spike Dup

Lab Sample ID: B184890-MSD1 Date(s) Analyzed 09/02/2017 09/02/2017

Instrument ID (1): ECD3 Instrument ID (2): ECD3

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	1.4	
	2	0.000	0.000	0.000	2.0	35.3
Aroclor-1260	1	0.000	0.000	0.000	7.3	
	2	0.000	0.000	0.000	8.2	11.6

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

Matrix Spike Dup

Lab Sample ID: B184890-MSD2 Date(s) Analyzed 09/02/2017 09/02/2017

Instrument ID (1): ECD3 Instrument ID (2): ECD3

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	1900	
	2	0.000	0.000	0.000	1900	5.1

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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-15	Matrix spike and matrix spike duplicate recoveries are outside of control limits. Data validation is not affected since results for this compound in this sample are "not detected", and recovery bias is on the high side.
MS-19	Sample to spike ratio is greater than or equal to 4:1. Spiked amount is not representative of the native amount in the sample. Appropriate or meaningful recoveries cannot be calculated.
MS-24	Either matrix spike or matrix spike duplicate is outside of control limits, but the other is within limits. Analysis is in control based on laboratory fortified blank recovery.
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.
Z-01	The spike recovery for this MS/MSD is not available due to dilution below the spike reporting limit required from high analyte concentration and/or matrix interferences.

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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

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	09/30/2019
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	09/6/2018
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2018
NC-DW	North Carolina Department of Health	25703	07/31/2018

17H1164

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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
1	WS-AOC10-Co-16	8/21/17	900		X	O	U	X											
2	WS-AOC10-Co-17		905					X											
3	WS-AOC10-Co-18 *		910					X											
4	WS-AOC10-Co-19		915					X											
5	WS-AOC10-Co-20		920					X											
6	WS-AOC10-Co-21		925					X											
7	WS-AOC10-Co-22		930					X											
8	WS-AOC10-Co-23		935					X											
9	WS-AOC10-Co-24		940					X											
10	WS-AOC10-Co-25 *		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
SL = Sludge
SOL = Solid
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) Concrete

[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:
WS-AOC10-Co-18 = MS/MSD
WS-AOC10-Co-25 = MS/MSD
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)	8/21/17	Date/Time: 1500
Received by: (signature)	8/21/17	Date/Time: 1500
Relinquished by: (signature)	8/21/17	Date/Time: 440
Received by: (signature) 4.3	8/21/17	Date/Time: 1640
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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17H1164

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Doc # 381 Rev 1_03242017

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39 Spruce Street
East Longmeadow, MA 01028

CHAIN OF CUSTODY RECORD

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-AOC10-Co-26	8/21/17	950		X	O	U	X											
12	WS-AOC10-Co-27	↓	955		↓	↓	↓	X											
13	WS-AOC10-Co-28		1000					X											
14	WS-AOC10-Co-29		1005					X											
15	WS-AOC10-Co-30		1010					X											
16	WS-AOC10-Co-31		1015					X											
17	Dup-12							X											
18	Dup-13	↓			↓	↓	↓	X											

I
I
A

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)

[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: 8/21/17 1500
Received by: (signature)	Date/Time: 8/21/17 1500
Relinquished by: (signature)	Date/Time: 8/21/17 1640
Received by: (signature)	Date/Time: 8/21/17 1640
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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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 8/21/17 Time 1640

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 - 4.3

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

Was Custody Seal Intact? N/A Were Samples Tampered with? N/A (JM)

Was COC Relinquished ? T Does Chain Agree With Samples? ~~T~~ F

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~~ T (JM)

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	
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear	22
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:

☆ Triple volume recieved for sample WS-AOC10-10-19 instead of WS-AOC10-18 for MS/MSD

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: 17H1164

Laboratory Sample ID(s):

17H1164-01 thru 17H1164-18

Sample Date(s):

08/21/2017

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:** **09/05/17**

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

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

From:	Schiavone, Timothy
To:	Jim Georgantas
Cc:	McGrath, Loren; Beeler, Malcolm
Subject:	WO 17H1164
Date:	Friday, October 13, 2017 8:37:26 AM
Attachments:	image001.png

Jim,

Two samples on WO17H1164 were incorrectly logged on the COC.

"DUP-12" should be changed to "WS-AOC10-CO-DUP12"
"DUP-13" should be changed to "WS-AOC10-CO-DUP13"

Thank you!

Tim Schiavone
ENVIRONMENTAL SCIENTIST II
427 Main Street, Suite 400
Worcester, MA 01680
www.westonandsampson.com
Office: 508-762-1676 x3004
Direct: 978-587-4006

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September 5, 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: 17H1165

Enclosed are results of analyses for samples received by the laboratory on August 21, 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: 9/5/2017

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 2170495

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 17H1165

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-10-CO-3	17H1165-01	Concrete		SW-846 8082A	
WS-AOC-10-CO-4	17H1165-02	Concrete		SW-846 8082A	
WS-AOC-10-CO-5	17H1165-03	Concrete		SW-846 8082A	
WS-AOC-10-CO-6	17H1165-04	Concrete		SW-846 8082A	
WS-AOC-10-CO-7	17H1165-05	Concrete		SW-846 8082A	
WS-AOC-10-CO-8	17H1165-06	Concrete		SW-846 8082A	
WS-AOC-10-CO-9	17H1165-07	Concrete		SW-846 8082A	
WS-AOC-10-CO-10	17H1165-08	Concrete		SW-846 8082A	
WS-AOC-10-CO-11	17H1165-09	Concrete		SW-846 8082A	
WS-AOC-10-CO-12	17H1165-10	Concrete		SW-846 8082A	
WS-AOC-10-CO-13	17H1165-11	Concrete		SW-846 8082A	
WS-AOC-10-CO-14	17H1165-12	Concrete		SW-846 8082A	
EB-44	17H1165-13	Equipment Blank Water		SW-846 8082A	
EB-45	17H1165-14	Equipment Blank Water		SW-846 8082A	
EB-46	17H1165-15	Equipment Blank Water		SW-846 8082A	
WS-AOC-10-CO-32	17H1165-16	Concrete		SW-846 8082A	
WS-AOC-10-CO-33	17H1165-17	Concrete		SW-846 8082A	
WS-AOC-10-CO-34	17H1165-18	Concrete		SW-846 8082A	
WS-AOC-10-CO-35	17H1165-19	Concrete		SW-846 8082A	
WS-AOC-10-CO-36	17H1165-20	Concrete		SW-846 8082A	
WS-AOC-10-CO-37	17H1165-21	Concrete		SW-846 8082A	
WS-AOC-10-CO-38	17H1165-22	Concrete		SW-846 8082A	
WS-AOC-10-CO-39	17H1165-23	Concrete		SW-846 8082A	
Dup-14	17H1165-24	Concrete		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:

P-02

Sample RPD between primary and confirmatory analysis exceeded 40%. Per EPA method 8000, the lower value was reported due to obvious chromatographic interference on the column with the higher result.

Analyte & Samples(s) Qualified:

Aroclor-1254
17H1165-19[WS-AOC-10-CO-35], 17H1165-22[WS-AOC-10-CO-38], 17H1165-23[WS-AOC-10-CO-39]

Aroclor-1260
17H1165-17[WS-AOC-10-CO-33], 17H1165-24[Dup-14]

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
B184889-BLK1, B184889-BS1, B184889-BSD1

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:

Decachlorobiphenyl
17H1165-09[WS-AOC-10-CO-11], 17H1165-12[WS-AOC-10-CO-14]

Decachlorobiphenyl [2C]
17H1165-09[WS-AOC-10-CO-11], 17H1165-12[WS-AOC-10-CO-14]

Tetrachloro-m-xylene
17H1165-09[WS-AOC-10-CO-11], 17H1165-12[WS-AOC-10-CO-14]

Tetrachloro-m-xylene [2C]
17H1165-09[WS-AOC-10-CO-11], 17H1165-12[WS-AOC-10-CO-14]

S-23

Surrogate recovery outside of control limits in BS/MS spiked sample, all reported analytes are within control criteria, data not significantly affected.

Analyte & Samples(s) Qualified:

Tetrachloro-m-xylene
B184889-BSD1

Tetrachloro-m-xylene [2C]
B184889-BSD1

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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.

Tod E. Kopyscinski
Laboratory Director

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: 17H1165

Date Received: 8/21/2017

Field Sample #: WS-AOC-10-CO-3 Sampled: 8/18/2017 10:30

Sample ID: 17H1165-01

Sample Matrix: Concrete

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.49	mg/Kg	5		SW-846 8082A	8/24/17	8/31/17 15:29	TG
Aroclor-1221 [1]	ND	0.49	mg/Kg	5		SW-846 8082A	8/24/17	8/31/17 15:29	TG
Aroclor-1232 [1]	ND	0.49	mg/Kg	5		SW-846 8082A	8/24/17	8/31/17 15:29	TG
Aroclor-1242 [1]	ND	0.49	mg/Kg	5		SW-846 8082A	8/24/17	8/31/17 15:29	TG
Aroclor-1248 [1]	ND	0.49	mg/Kg	5		SW-846 8082A	8/24/17	8/31/17 15:29	TG
Aroclor-1254 [1]	ND	0.49	mg/Kg	5		SW-846 8082A	8/24/17	8/31/17 15:29	TG
Aroclor-1260 [2]	3.6	0.49	mg/Kg	5		SW-846 8082A	8/24/17	8/31/17 15:29	TG
Aroclor-1262 [1]	ND	0.49	mg/Kg	5		SW-846 8082A	8/24/17	8/31/17 15:29	TG
Aroclor-1268 [1]	ND	0.49	mg/Kg	5		SW-846 8082A	8/24/17	8/31/17 15:29	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	94.0	30-150		8/31/17 15:29
Decachlorobiphenyl [2]	109	30-150		8/31/17 15:29
Tetrachloro-m-xylene [1]	87.6	30-150		8/31/17 15:29
Tetrachloro-m-xylene [2]	109	30-150		8/31/17 15:29

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1165

Date Received: 8/21/2017

Field Sample #: WS-AOC-10-CO-4 Sampled: 8/18/2017 10:35

Sample ID: 17H1165-02

Sample Matrix: Concrete

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	8/24/17	8/31/17 15:46	TG
Aroclor-1221 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	8/24/17	8/31/17 15:46	TG
Aroclor-1232 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	8/24/17	8/31/17 15:46	TG
Aroclor-1242 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	8/24/17	8/31/17 15:46	TG
Aroclor-1248 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	8/24/17	8/31/17 15:46	TG
Aroclor-1254 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	8/24/17	8/31/17 15:46	TG
Aroclor-1260 [2]	4.1	0.50	mg/Kg	5		SW-846 8082A	8/24/17	8/31/17 15:46	TG
Aroclor-1262 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	8/24/17	8/31/17 15:46	TG
Aroclor-1268 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	8/24/17	8/31/17 15:46	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	95.4	30-150		8/31/17 15:46
Decachlorobiphenyl [2]	111	30-150		8/31/17 15:46
Tetrachloro-m-xylene [1]	89.0	30-150		8/31/17 15:46
Tetrachloro-m-xylene [2]	109	30-150		8/31/17 15:46

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1165

Date Received: 8/21/2017

Field Sample #: WS-AOC-10-CO-5 Sampled: 8/18/2017 10:40

Sample ID: 17H1165-03

Sample Matrix: Concrete

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	2		SW-846 8082A	8/24/17	8/31/17 16:04	TG
Aroclor-1221 [1]	ND	0.19	mg/Kg	2		SW-846 8082A	8/24/17	8/31/17 16:04	TG
Aroclor-1232 [1]	ND	0.19	mg/Kg	2		SW-846 8082A	8/24/17	8/31/17 16:04	TG
Aroclor-1242 [1]	ND	0.19	mg/Kg	2		SW-846 8082A	8/24/17	8/31/17 16:04	TG
Aroclor-1248 [1]	ND	0.19	mg/Kg	2		SW-846 8082A	8/24/17	8/31/17 16:04	TG
Aroclor-1254 [1]	ND	0.19	mg/Kg	2		SW-846 8082A	8/24/17	8/31/17 16:04	TG
Aroclor-1260 [2]	1.8	0.19	mg/Kg	2		SW-846 8082A	8/24/17	8/31/17 16:04	TG
Aroclor-1262 [1]	ND	0.19	mg/Kg	2		SW-846 8082A	8/24/17	8/31/17 16:04	TG
Aroclor-1268 [1]	ND	0.19	mg/Kg	2		SW-846 8082A	8/24/17	8/31/17 16:04	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	96.3	30-150		8/31/17 16:04
Decachlorobiphenyl [2]	109	30-150		8/31/17 16:04
Tetrachloro-m-xylene [1]	90.5	30-150		8/31/17 16:04
Tetrachloro-m-xylene [2]	109	30-150		8/31/17 16:04

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1165

Date Received: 8/21/2017

Field Sample #: WS-AOC-10-CO-6 Sampled: 8/18/2017 10:45

Sample ID: 17H1165-04

Sample Matrix: Concrete

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	8/24/17	8/31/17 16:22	TG
Aroclor-1221 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	8/24/17	8/31/17 16:22	TG
Aroclor-1232 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	8/24/17	8/31/17 16:22	TG
Aroclor-1242 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	8/24/17	8/31/17 16:22	TG
Aroclor-1248 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	8/24/17	8/31/17 16:22	TG
Aroclor-1254 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	8/24/17	8/31/17 16:22	TG
Aroclor-1260 [2]	4.6	0.50	mg/Kg	5		SW-846 8082A	8/24/17	8/31/17 16:22	TG
Aroclor-1262 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	8/24/17	8/31/17 16:22	TG
Aroclor-1268 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	8/24/17	8/31/17 16:22	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	84.1	30-150		8/31/17 16:22
Decachlorobiphenyl [2]	98.6	30-150		8/31/17 16:22
Tetrachloro-m-xylene [1]	84.3	30-150		8/31/17 16:22
Tetrachloro-m-xylene [2]	103	30-150		8/31/17 16:22

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1165

Date Received: 8/21/2017

Field Sample #: WS-AOC-10-CO-7 Sampled: 8/18/2017 10:50

Sample ID: 17H1165-05

Sample Matrix: Concrete

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	8/24/17	8/31/17 16:39	TG
Aroclor-1221 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	8/24/17	8/31/17 16:39	TG
Aroclor-1232 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	8/24/17	8/31/17 16:39	TG
Aroclor-1242 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	8/24/17	8/31/17 16:39	TG
Aroclor-1248 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	8/24/17	8/31/17 16:39	TG
Aroclor-1254 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	8/24/17	8/31/17 16:39	TG
Aroclor-1260 [2]	3.1	0.50	mg/Kg	5		SW-846 8082A	8/24/17	8/31/17 16:39	TG
Aroclor-1262 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	8/24/17	8/31/17 16:39	TG
Aroclor-1268 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	8/24/17	8/31/17 16:39	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	94.0	30-150		8/31/17 16:39
Decachlorobiphenyl [2]	110	30-150		8/31/17 16:39
Tetrachloro-m-xylene [1]	87.4	30-150		8/31/17 16:39
Tetrachloro-m-xylene [2]	108	30-150		8/31/17 16:39

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1165

Date Received: 8/21/2017

Field Sample #: WS-AOC-10-CO-8 Sampled: 8/18/2017 10:55

Sample ID: 17H1165-06

Sample Matrix: Concrete

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	8/24/17	8/31/17 16:57	TG
Aroclor-1221 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/24/17	8/31/17 16:57	TG
Aroclor-1232 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/24/17	8/31/17 16:57	TG
Aroclor-1242 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/24/17	8/31/17 16:57	TG
Aroclor-1248 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/24/17	8/31/17 16:57	TG
Aroclor-1254 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/24/17	8/31/17 16:57	TG
Aroclor-1260 [2]	9.3	0.99	mg/Kg	10		SW-846 8082A	8/24/17	8/31/17 16:57	TG
Aroclor-1262 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/24/17	8/31/17 16:57	TG
Aroclor-1268 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/24/17	8/31/17 16:57	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	108	30-150		8/31/17 16:57
Decachlorobiphenyl [2]	129	30-150		8/31/17 16:57
Tetrachloro-m-xylene [1]	104	30-150		8/31/17 16:57
Tetrachloro-m-xylene [2]	129	30-150		8/31/17 16:57

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1165

Date Received: 8/21/2017

Field Sample #: WS-AOC-10-CO-9 Sampled: 8/18/2017 11:00

Sample ID: 17H1165-07

Sample Matrix: Concrete

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	2		SW-846 8082A	8/24/17	8/31/17 17:15	TG
Aroclor-1221 [1]	ND	0.20	mg/Kg	2		SW-846 8082A	8/24/17	8/31/17 17:15	TG
Aroclor-1232 [1]	ND	0.20	mg/Kg	2		SW-846 8082A	8/24/17	8/31/17 17:15	TG
Aroclor-1242 [1]	ND	0.20	mg/Kg	2		SW-846 8082A	8/24/17	8/31/17 17:15	TG
Aroclor-1248 [1]	ND	0.20	mg/Kg	2		SW-846 8082A	8/24/17	8/31/17 17:15	TG
Aroclor-1254 [1]	ND	0.20	mg/Kg	2		SW-846 8082A	8/24/17	8/31/17 17:15	TG
Aroclor-1260 [1]	1.5	0.20	mg/Kg	2		SW-846 8082A	8/24/17	8/31/17 17:15	TG
Aroclor-1262 [1]	ND	0.20	mg/Kg	2		SW-846 8082A	8/24/17	8/31/17 17:15	TG
Aroclor-1268 [1]	ND	0.20	mg/Kg	2		SW-846 8082A	8/24/17	8/31/17 17:15	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	89.8	30-150		8/31/17 17:15
Decachlorobiphenyl [2]	102	30-150		8/31/17 17:15
Tetrachloro-m-xylene [1]	87.6	30-150		8/31/17 17:15
Tetrachloro-m-xylene [2]	106	30-150		8/31/17 17:15

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1165

Date Received: 8/21/2017

Field Sample #: WS-AOC-10-CO-10 Sampled: 8/18/2017 11:15

Sample ID: 17H1165-08

Sample Matrix: Concrete

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	2.0	mg/Kg	20		SW-846 8082A	8/24/17	8/31/17 17:32	TG
Aroclor-1221 [1]	ND	2.0	mg/Kg	20		SW-846 8082A	8/24/17	8/31/17 17:32	TG
Aroclor-1232 [1]	ND	2.0	mg/Kg	20		SW-846 8082A	8/24/17	8/31/17 17:32	TG
Aroclor-1242 [1]	ND	2.0	mg/Kg	20		SW-846 8082A	8/24/17	8/31/17 17:32	TG
Aroclor-1248 [1]	ND	2.0	mg/Kg	20		SW-846 8082A	8/24/17	8/31/17 17:32	TG
Aroclor-1254 [1]	ND	2.0	mg/Kg	20		SW-846 8082A	8/24/17	8/31/17 17:32	TG
Aroclor-1260 [2]	19	2.0	mg/Kg	20		SW-846 8082A	8/24/17	8/31/17 17:32	TG
Aroclor-1262 [1]	ND	2.0	mg/Kg	20		SW-846 8082A	8/24/17	8/31/17 17:32	TG
Aroclor-1268 [1]	ND	2.0	mg/Kg	20		SW-846 8082A	8/24/17	8/31/17 17:32	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	91.7	30-150		8/31/17 17:32
Decachlorobiphenyl [2]	116	30-150		8/31/17 17:32
Tetrachloro-m-xylene [1]	83.4	30-150		8/31/17 17:32
Tetrachloro-m-xylene [2]	108	30-150		8/31/17 17:32

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1165

Date Received: 8/21/2017

Field Sample #: WS-AOC-10-CO-11 Sampled: 8/18/2017 11:20

Sample ID: 17H1165-09

Sample Matrix: Concrete

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	49	mg/Kg	500		SW-846 8082A	8/24/17	8/31/17 17:50	TG
Aroclor-1221 [1]	ND	49	mg/Kg	500		SW-846 8082A	8/24/17	8/31/17 17:50	TG
Aroclor-1232 [1]	ND	49	mg/Kg	500		SW-846 8082A	8/24/17	8/31/17 17:50	TG
Aroclor-1242 [1]	ND	49	mg/Kg	500		SW-846 8082A	8/24/17	8/31/17 17:50	TG
Aroclor-1248 [1]	ND	49	mg/Kg	500		SW-846 8082A	8/24/17	8/31/17 17:50	TG
Aroclor-1254 [1]	ND	49	mg/Kg	500		SW-846 8082A	8/24/17	8/31/17 17:50	TG
Aroclor-1260 [2]	320	49	mg/Kg	500		SW-846 8082A	8/24/17	8/31/17 17:50	TG
Aroclor-1262 [1]	ND	49	mg/Kg	500		SW-846 8082A	8/24/17	8/31/17 17:50	TG
Aroclor-1268 [1]	ND	49	mg/Kg	500		SW-846 8082A	8/24/17	8/31/17 17:50	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	*	30-150	S-01	8/31/17 17:50
Decachlorobiphenyl [2]	*	30-150	S-01	8/31/17 17:50
Tetrachloro-m-xylene [1]	*	30-150	S-01	8/31/17 17:50
Tetrachloro-m-xylene [2]	*	30-150	S-01	8/31/17 17:50

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1165

Date Received: 8/21/2017

Field Sample #: WS-AOC-10-CO-12 Sampled: 8/18/2017 11:25

Sample ID: 17H1165-10

Sample Matrix: Concrete

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	8/24/17	8/31/17 19:21	TG
Aroclor-1221 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	8/24/17	8/31/17 19:21	TG
Aroclor-1232 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	8/24/17	8/31/17 19:21	TG
Aroclor-1242 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	8/24/17	8/31/17 19:21	TG
Aroclor-1248 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	8/24/17	8/31/17 19:21	TG
Aroclor-1254 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	8/24/17	8/31/17 19:21	TG
Aroclor-1260 [2]	5.5	1.0	mg/Kg	10		SW-846 8082A	8/24/17	8/31/17 19:21	TG
Aroclor-1262 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	8/24/17	8/31/17 19:21	TG
Aroclor-1268 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	8/24/17	8/31/17 19:21	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	93.2	30-150		8/31/17 19:21
Decachlorobiphenyl [2]	114	30-150		8/31/17 19:21
Tetrachloro-m-xylene [1]	91.6	30-150		8/31/17 19:21
Tetrachloro-m-xylene [2]	114	30-150		8/31/17 19:21

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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: 17H1165

Date Received: 8/21/2017

Field Sample #: WS-AOC-10-CO-13 Sampled: 8/18/2017 11:30

Sample ID: 17H1165-11

Sample Matrix: Concrete

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	8/24/17	8/31/17 19:39	TG
Aroclor-1221 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/24/17	8/31/17 19:39	TG
Aroclor-1232 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/24/17	8/31/17 19:39	TG
Aroclor-1242 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/24/17	8/31/17 19:39	TG
Aroclor-1248 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/24/17	8/31/17 19:39	TG
Aroclor-1254 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/24/17	8/31/17 19:39	TG
Aroclor-1260 [2]	8.8	0.99	mg/Kg	10		SW-846 8082A	8/24/17	8/31/17 19:39	TG
Aroclor-1262 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/24/17	8/31/17 19:39	TG
Aroclor-1268 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/24/17	8/31/17 19:39	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	104	30-150		8/31/17 19:39
Decachlorobiphenyl [2]	125	30-150		8/31/17 19:39
Tetrachloro-m-xylene [1]	102	30-150		8/31/17 19:39
Tetrachloro-m-xylene [2]	126	30-150		8/31/17 19:39

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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: 17H1165

Date Received: 8/21/2017

Field Sample #: WS-AOC-10-CO-14 Sampled: 8/18/2017 11:35

Sample ID: 17H1165-12

Sample Matrix: Concrete

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	20	mg/Kg	200		SW-846 8082A	8/24/17	8/31/17 19:56	TG
Aroclor-1221 [1]	ND	20	mg/Kg	200		SW-846 8082A	8/24/17	8/31/17 19:56	TG
Aroclor-1232 [1]	ND	20	mg/Kg	200		SW-846 8082A	8/24/17	8/31/17 19:56	TG
Aroclor-1242 [1]	ND	20	mg/Kg	200		SW-846 8082A	8/24/17	8/31/17 19:56	TG
Aroclor-1248 [1]	ND	20	mg/Kg	200		SW-846 8082A	8/24/17	8/31/17 19:56	TG
Aroclor-1254 [1]	ND	20	mg/Kg	200		SW-846 8082A	8/24/17	8/31/17 19:56	TG
Aroclor-1260 [2]	150	20	mg/Kg	200		SW-846 8082A	8/24/17	8/31/17 19:56	TG
Aroclor-1262 [1]	ND	20	mg/Kg	200		SW-846 8082A	8/24/17	8/31/17 19:56	TG
Aroclor-1268 [1]	ND	20	mg/Kg	200		SW-846 8082A	8/24/17	8/31/17 19:56	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	*	30-150	S-01	8/31/17 19:56
Decachlorobiphenyl [2]	*	30-150	S-01	8/31/17 19:56
Tetrachloro-m-xylene [1]	*	30-150	S-01	8/31/17 19:56
Tetrachloro-m-xylene [2]	*	30-150	S-01	8/31/17 19:56

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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: 17H1165

Date Received: 8/21/2017

Field Sample #: EB-44 Sampled: 8/18/2017 10:00

Sample ID: 17H1165-13

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	8/24/17	8/25/17 15:34	JMB
Aroclor-1221 [1]	ND	0.20	µg/L	1		SW-846 8082A	8/24/17	8/25/17 15:34	JMB
Aroclor-1232 [1]	ND	0.20	µg/L	1		SW-846 8082A	8/24/17	8/25/17 15:34	JMB
Aroclor-1242 [1]	ND	0.20	µg/L	1		SW-846 8082A	8/24/17	8/25/17 15:34	JMB
Aroclor-1248 [1]	ND	0.20	µg/L	1		SW-846 8082A	8/24/17	8/25/17 15:34	JMB
Aroclor-1254 [1]	ND	0.20	µg/L	1		SW-846 8082A	8/24/17	8/25/17 15:34	JMB
Aroclor-1260 [1]	ND	0.20	µg/L	1		SW-846 8082A	8/24/17	8/25/17 15:34	JMB
Aroclor-1262 [1]	ND	0.20	µg/L	1		SW-846 8082A	8/24/17	8/25/17 15:34	JMB
Aroclor-1268 [1]	ND	0.20	µg/L	1		SW-846 8082A	8/24/17	8/25/17 15:34	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	63.4	30-150		8/25/17 15:34
Decachlorobiphenyl [2]	69.6	30-150		8/25/17 15:34
Tetrachloro-m-xylene [1]	92.0	30-150		8/25/17 15:34
Tetrachloro-m-xylene [2]	95.2	30-150		8/25/17 15:34

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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: 17H1165

Date Received: 8/21/2017

Field Sample #: EB-45 Sampled: 8/21/2017 12:00

Sample ID: 17H1165-14

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	8/24/17	8/25/17 15:46	JMB
Aroclor-1221 [1]	ND	0.20	µg/L	1		SW-846 8082A	8/24/17	8/25/17 15:46	JMB
Aroclor-1232 [1]	ND	0.20	µg/L	1		SW-846 8082A	8/24/17	8/25/17 15:46	JMB
Aroclor-1242 [1]	ND	0.20	µg/L	1		SW-846 8082A	8/24/17	8/25/17 15:46	JMB
Aroclor-1248 [1]	ND	0.20	µg/L	1		SW-846 8082A	8/24/17	8/25/17 15:46	JMB
Aroclor-1254 [1]	ND	0.20	µg/L	1		SW-846 8082A	8/24/17	8/25/17 15:46	JMB
Aroclor-1260 [1]	ND	0.20	µg/L	1		SW-846 8082A	8/24/17	8/25/17 15:46	JMB
Aroclor-1262 [1]	ND	0.20	µg/L	1		SW-846 8082A	8/24/17	8/25/17 15:46	JMB
Aroclor-1268 [1]	ND	0.20	µg/L	1		SW-846 8082A	8/24/17	8/25/17 15:46	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	89.1	30-150		8/25/17 15:46
Decachlorobiphenyl [2]	97.9	30-150		8/25/17 15:46
Tetrachloro-m-xylene [1]	91.1	30-150		8/25/17 15:46
Tetrachloro-m-xylene [2]	94.3	30-150		8/25/17 15:46

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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: 17H1165

Date Received: 8/21/2017

Field Sample #: EB-46 Sampled: 8/21/2017 12:05

Sample ID: 17H1165-15

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	8/24/17	8/25/17 15:58	JMB
Aroclor-1221 [1]	ND	0.20	µg/L	1		SW-846 8082A	8/24/17	8/25/17 15:58	JMB
Aroclor-1232 [1]	ND	0.20	µg/L	1		SW-846 8082A	8/24/17	8/25/17 15:58	JMB
Aroclor-1242 [1]	ND	0.20	µg/L	1		SW-846 8082A	8/24/17	8/25/17 15:58	JMB
Aroclor-1248 [1]	ND	0.20	µg/L	1		SW-846 8082A	8/24/17	8/25/17 15:58	JMB
Aroclor-1254 [1]	ND	0.20	µg/L	1		SW-846 8082A	8/24/17	8/25/17 15:58	JMB
Aroclor-1260 [1]	ND	0.20	µg/L	1		SW-846 8082A	8/24/17	8/25/17 15:58	JMB
Aroclor-1262 [1]	ND	0.20	µg/L	1		SW-846 8082A	8/24/17	8/25/17 15:58	JMB
Aroclor-1268 [1]	ND	0.20	µg/L	1		SW-846 8082A	8/24/17	8/25/17 15:58	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	74.4	30-150		8/25/17 15:58
Decachlorobiphenyl [2]	81.4	30-150		8/25/17 15:58
Tetrachloro-m-xylene [1]	94.5	30-150		8/25/17 15:58
Tetrachloro-m-xylene [2]	98.1	30-150		8/25/17 15:58

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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: 17H1165

Date Received: 8/21/2017

Field Sample #: WS-AOC-10-CO-32 Sampled: 8/21/2017 14:05

Sample ID: 17H1165-16

Sample Matrix: Concrete

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	8/24/17	8/31/17 3:06	TG
Aroclor-1221 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	8/24/17	8/31/17 3:06	TG
Aroclor-1232 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	8/24/17	8/31/17 3:06	TG
Aroclor-1242 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	8/24/17	8/31/17 3:06	TG
Aroclor-1248 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	8/24/17	8/31/17 3:06	TG
Aroclor-1254 [2]	0.16	0.098	mg/Kg	1		SW-846 8082A	8/24/17	8/31/17 3:06	TG
Aroclor-1260 [2]	0.24	0.098	mg/Kg	1		SW-846 8082A	8/24/17	8/31/17 3:06	TG
Aroclor-1262 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	8/24/17	8/31/17 3:06	TG
Aroclor-1268 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	8/24/17	8/31/17 3:06	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	91.4	30-150		8/31/17 3:06
Decachlorobiphenyl [2]	102	30-150		8/31/17 3:06
Tetrachloro-m-xylene [1]	92.4	30-150		8/31/17 3:06
Tetrachloro-m-xylene [2]	109	30-150		8/31/17 3:06

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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: 17H1165

Date Received: 8/21/2017

Field Sample #: WS-AOC-10-CO-33 Sampled: 8/21/2017 14:10

Sample ID: 17H1165-17

Sample Matrix: Concrete

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	2		SW-846 8082A	8/24/17	8/31/17 20:14	TG
Aroclor-1221 [1]	ND	0.20	mg/Kg	2		SW-846 8082A	8/24/17	8/31/17 20:14	TG
Aroclor-1232 [1]	ND	0.20	mg/Kg	2		SW-846 8082A	8/24/17	8/31/17 20:14	TG
Aroclor-1242 [1]	ND	0.20	mg/Kg	2		SW-846 8082A	8/24/17	8/31/17 20:14	TG
Aroclor-1248 [1]	ND	0.20	mg/Kg	2		SW-846 8082A	8/24/17	8/31/17 20:14	TG
Aroclor-1254 [2]	1.5	0.20	mg/Kg	2		SW-846 8082A	8/24/17	8/31/17 20:14	TG
Aroclor-1260 [1]	0.33	0.20	mg/Kg	2	P-02	SW-846 8082A	8/24/17	8/31/17 20:14	TG
Aroclor-1262 [1]	ND	0.20	mg/Kg	2		SW-846 8082A	8/24/17	8/31/17 20:14	TG
Aroclor-1268 [1]	ND	0.20	mg/Kg	2		SW-846 8082A	8/24/17	8/31/17 20:14	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	91.3	30-150		8/31/17 20:14
Decachlorobiphenyl [2]	104	30-150		8/31/17 20:14
Tetrachloro-m-xylene [1]	97.0	30-150		8/31/17 20:14
Tetrachloro-m-xylene [2]	117	30-150		8/31/17 20:14

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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: 17H1165

Date Received: 8/21/2017

Field Sample #: WS-AOC-10-CO-34 Sampled: 8/21/2017 14:15

Sample ID: 17H1165-18

Sample Matrix: Concrete

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	8/24/17	8/31/17 3:41	TG
Aroclor-1221 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	8/24/17	8/31/17 3:41	TG
Aroclor-1232 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	8/24/17	8/31/17 3:41	TG
Aroclor-1242 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	8/24/17	8/31/17 3:41	TG
Aroclor-1248 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	8/24/17	8/31/17 3:41	TG
Aroclor-1254 [2]	0.15	0.098	mg/Kg	1		SW-846 8082A	8/24/17	8/31/17 3:41	TG
Aroclor-1260 [2]	0.20	0.098	mg/Kg	1		SW-846 8082A	8/24/17	8/31/17 3:41	TG
Aroclor-1262 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	8/24/17	8/31/17 3:41	TG
Aroclor-1268 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	8/24/17	8/31/17 3:41	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	84.9	30-150		8/31/17 3:41
Decachlorobiphenyl [2]	94.8	30-150		8/31/17 3:41
Tetrachloro-m-xylene [1]	87.1	30-150		8/31/17 3:41
Tetrachloro-m-xylene [2]	102	30-150		8/31/17 3:41

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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: 17H1165

Date Received: 8/21/2017

Field Sample #: WS-AOC-10-CO-35 Sampled: 8/21/2017 14:20

Sample ID: 17H1165-19

Sample Matrix: Concrete

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	8/24/17	8/31/17 3:59	TG
Aroclor-1221 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/24/17	8/31/17 3:59	TG
Aroclor-1232 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/24/17	8/31/17 3:59	TG
Aroclor-1242 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/24/17	8/31/17 3:59	TG
Aroclor-1248 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/24/17	8/31/17 3:59	TG
Aroclor-1254 [1]	0.11	0.099	mg/Kg	1	P-02	SW-846 8082A	8/24/17	8/31/17 3:59	TG
Aroclor-1260 [2]	0.24	0.099	mg/Kg	1		SW-846 8082A	8/24/17	8/31/17 3:59	TG
Aroclor-1262 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/24/17	8/31/17 3:59	TG
Aroclor-1268 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/24/17	8/31/17 3:59	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	85.8	30-150		8/31/17 3:59
Decachlorobiphenyl [2]	94.4	30-150		8/31/17 3:59
Tetrachloro-m-xylene [1]	87.2	30-150		8/31/17 3:59
Tetrachloro-m-xylene [2]	102	30-150		8/31/17 3:59

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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: 17H1165

Date Received: 8/21/2017

Field Sample #: WS-AOC-10-CO-36 Sampled: 8/21/2017 14:25

Sample ID: 17H1165-20

Sample Matrix: Concrete

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	8/24/17	8/31/17 4:16	TG
Aroclor-1221 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	8/24/17	8/31/17 4:16	TG
Aroclor-1232 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	8/24/17	8/31/17 4:16	TG
Aroclor-1242 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	8/24/17	8/31/17 4:16	TG
Aroclor-1248 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	8/24/17	8/31/17 4:16	TG
Aroclor-1254 [2]	0.14	0.098	mg/Kg	1		SW-846 8082A	8/24/17	8/31/17 4:16	TG
Aroclor-1260 [2]	0.18	0.098	mg/Kg	1		SW-846 8082A	8/24/17	8/31/17 4:16	TG
Aroclor-1262 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	8/24/17	8/31/17 4:16	TG
Aroclor-1268 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	8/24/17	8/31/17 4:16	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	85.8	30-150		8/31/17 4:16
Decachlorobiphenyl [2]	95.5	30-150		8/31/17 4:16
Tetrachloro-m-xylene [1]	86.5	30-150		8/31/17 4:16
Tetrachloro-m-xylene [2]	102	30-150		8/31/17 4:16

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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: 17H1165

Date Received: 8/21/2017

Field Sample #: WS-AOC-10-CO-37 Sampled: 8/21/2017 14:30

Sample ID: 17H1165-21

Sample Matrix: Concrete

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [2]	ND	0.10	mg/Kg	1		SW-846 8082A	8/24/17	8/31/17 11:03	TG
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/24/17	8/31/17 11:03	TG
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/24/17	8/31/17 11:03	TG
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/24/17	8/31/17 11:03	TG
Aroclor-1248 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/24/17	8/31/17 11:03	TG
Aroclor-1254 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/24/17	8/31/17 11:03	TG
Aroclor-1260 [2]	0.21	0.10	mg/Kg	1		SW-846 8082A	8/24/17	8/31/17 11:03	TG
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/24/17	8/31/17 11:03	TG
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/24/17	8/31/17 11:03	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	77.2	30-150		8/31/17 11:03
Decachlorobiphenyl [2]	85.8	30-150		8/31/17 11:03
Tetrachloro-m-xylene [1]	83.1	30-150		8/31/17 11:03
Tetrachloro-m-xylene [2]	99.1	30-150		8/31/17 11:03

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: 17H1165

Date Received: 8/21/2017

Field Sample #: WS-AOC-10-CO-38 Sampled: 8/21/2017 14:35

Sample ID: 17H1165-22

Sample Matrix: Concrete

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [2]	ND	0.10	mg/Kg	1		SW-846 8082A	8/24/17	8/31/17 11:20	TG
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/24/17	8/31/17 11:20	TG
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/24/17	8/31/17 11:20	TG
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/24/17	8/31/17 11:20	TG
Aroclor-1248 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/24/17	8/31/17 11:20	TG
Aroclor-1254 [1]	0.12	0.10	mg/Kg	1	P-02	SW-846 8082A	8/24/17	8/31/17 11:20	TG
Aroclor-1260 [2]	0.29	0.10	mg/Kg	1		SW-846 8082A	8/24/17	8/31/17 11:20	TG
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/24/17	8/31/17 11:20	TG
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/24/17	8/31/17 11:20	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	87.7	30-150		8/31/17 11:20
Decachlorobiphenyl [2]	97.8	30-150		8/31/17 11:20
Tetrachloro-m-xylene [1]	92.9	30-150		8/31/17 11:20
Tetrachloro-m-xylene [2]	109	30-150		8/31/17 11:20

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: 17H1165

Date Received: 8/21/2017

Field Sample #: WS-AOC-10-CO-39 Sampled: 8/21/2017 14:40

Sample ID: 17H1165-23

Sample Matrix: Concrete

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [2]	ND	0.10	mg/Kg	1		SW-846 8082A	8/24/17	8/31/17 11:38	TG
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/24/17	8/31/17 11:38	TG
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/24/17	8/31/17 11:38	TG
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/24/17	8/31/17 11:38	TG
Aroclor-1248 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/24/17	8/31/17 11:38	TG
Aroclor-1254 [1]	0.12	0.10	mg/Kg	1	P-02	SW-846 8082A	8/24/17	8/31/17 11:38	TG
Aroclor-1260 [2]	0.27	0.10	mg/Kg	1		SW-846 8082A	8/24/17	8/31/17 11:38	TG
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/24/17	8/31/17 11:38	TG
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/24/17	8/31/17 11:38	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	83.1	30-150		8/31/17 11:38
Decachlorobiphenyl [2]	92.3	30-150		8/31/17 11:38
Tetrachloro-m-xylene [1]	90.9	30-150		8/31/17 11:38
Tetrachloro-m-xylene [2]	107	30-150		8/31/17 11:38

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: 17H1165

Date Received: 8/21/2017

Field Sample #: Dup-14 Sampled: 8/21/2017 00:00

Sample ID: 17H1165-24

Sample Matrix: Concrete

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	2		SW-846 8082A	8/24/17	9/1/17 13:26	TG
Aroclor-1221 [1]	ND	0.20	mg/Kg	2		SW-846 8082A	8/24/17	9/1/17 13:26	TG
Aroclor-1232 [1]	ND	0.20	mg/Kg	2		SW-846 8082A	8/24/17	9/1/17 13:26	TG
Aroclor-1242 [1]	ND	0.20	mg/Kg	2		SW-846 8082A	8/24/17	9/1/17 13:26	TG
Aroclor-1248 [1]	ND	0.20	mg/Kg	2		SW-846 8082A	8/24/17	9/1/17 13:26	TG
Aroclor-1254 [2]	1.8	0.20	mg/Kg	2		SW-846 8082A	8/24/17	9/1/17 13:26	TG
Aroclor-1260 [1]	0.41	0.20	mg/Kg	2	P-02	SW-846 8082A	8/24/17	9/1/17 13:26	TG
Aroclor-1262 [1]	ND	0.20	mg/Kg	2		SW-846 8082A	8/24/17	9/1/17 13:26	TG
Aroclor-1268 [1]	ND	0.20	mg/Kg	2		SW-846 8082A	8/24/17	9/1/17 13:26	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	90.4	30-150		9/1/17 13:26
Decachlorobiphenyl [2]	105	30-150		9/1/17 13:26
Tetrachloro-m-xylene [1]	96.3	30-150		9/1/17 13:26
Tetrachloro-m-xylene [2]	115	30-150		9/1/17 13:26

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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
17H1165-21 [WS-AOC-10-CO-37]	B184889	2.00	10.0	08/24/17
17H1165-22 [WS-AOC-10-CO-38]	B184889	2.00	10.0	08/24/17
17H1165-23 [WS-AOC-10-CO-39]	B184889	2.00	10.0	08/24/17
17H1165-24 [Dup-14]	B184889	2.00	10.0	08/24/17

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17H1165-01 [WS-AOC-10-CO-3]	B184893	2.03	10.0	08/24/17
17H1165-02 [WS-AOC-10-CO-4]	B184893	2.00	10.0	08/24/17
17H1165-03 [WS-AOC-10-CO-5]	B184893	2.07	10.0	08/24/17
17H1165-04 [WS-AOC-10-CO-6]	B184893	2.02	10.0	08/24/17
17H1165-05 [WS-AOC-10-CO-7]	B184893	2.00	10.0	08/24/17
17H1165-06 [WS-AOC-10-CO-8]	B184893	2.02	10.0	08/24/17
17H1165-07 [WS-AOC-10-CO-9]	B184893	2.04	10.0	08/24/17
17H1165-08 [WS-AOC-10-CO-10]	B184893	2.02	10.0	08/24/17
17H1165-09 [WS-AOC-10-CO-11]	B184893	2.04	10.0	08/24/17
17H1165-10 [WS-AOC-10-CO-12]	B184893	2.01	10.0	08/24/17
17H1165-11 [WS-AOC-10-CO-13]	B184893	2.03	10.0	08/24/17
17H1165-12 [WS-AOC-10-CO-14]	B184893	2.00	10.0	08/24/17
17H1165-16 [WS-AOC-10-CO-32]	B184893	2.05	10.0	08/24/17
17H1165-17 [WS-AOC-10-CO-33]	B184893	2.01	10.0	08/24/17
17H1165-18 [WS-AOC-10-CO-34]	B184893	2.04	10.0	08/24/17
17H1165-19 [WS-AOC-10-CO-35]	B184893	2.02	10.0	08/24/17
17H1165-20 [WS-AOC-10-CO-36]	B184893	2.05	10.0	08/24/17

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

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
17H1165-13 [EB-44]	B184847	1000	10.0	08/24/17
17H1165-14 [EB-45]	B184847	1000	10.0	08/24/17
17H1165-15 [EB-46]	B184847	1000	10.0	08/24/17

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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 B184847 - SW-846 3510C										
Blank (B184847-BLK1)				Prepared: 08/24/17 Analyzed: 08/25/17						
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	*1.61*		µg/L	2.00		80.7	30-150			
Surrogate: Decachlorobiphenyl [2C]	*1.81*		µg/L	2.00		90.6	30-150			
Surrogate: Tetrachloro-m-xylene	*1.82*		µg/L	2.00		90.9	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.88*		µg/L	2.00		93.9	30-150			
LCS (B184847-BS1)				Prepared: 08/24/17 Analyzed: 08/25/17						
Aroclor-1016	0.46	0.20	µg/L	0.500		92.4	40-140			
Aroclor-1016 [2C]	0.49	0.20	µg/L	0.500		98.7	40-140			
Aroclor-1260	0.40	0.20	µg/L	0.500		79.1	40-140			
Aroclor-1260 [2C]	0.43	0.20	µg/L	0.500		85.3	40-140			
Surrogate: Decachlorobiphenyl	*1.58*		µg/L	2.00		79.0	30-150			
Surrogate: Decachlorobiphenyl [2C]	*1.77*		µg/L	2.00		88.5	30-150			
Surrogate: Tetrachloro-m-xylene	*1.65*		µg/L	2.00		82.3	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.72*		µg/L	2.00		85.9	30-150			
LCS Dup (B184847-BSD1)				Prepared: 08/24/17 Analyzed: 08/25/17						
Aroclor-1016	0.54	0.20	µg/L	0.500		107	40-140	14.7	20	
Aroclor-1016 [2C]	0.60	0.20	µg/L	0.500		119	40-140	18.9	20	
Aroclor-1260	0.42	0.20	µg/L	0.500		83.0	40-140	4.91	20	
Aroclor-1260 [2C]	0.46	0.20	µg/L	0.500		92.5	40-140	8.09	20	
Surrogate: Decachlorobiphenyl	*1.64*		µg/L	2.00		82.0	30-150			
Surrogate: Decachlorobiphenyl [2C]	*1.83*		µg/L	2.00		91.7	30-150			
Surrogate: Tetrachloro-m-xylene	*1.76*		µg/L	2.00		88.0	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.81*		µg/L	2.00		90.7	30-150			

con-test® ANALYTICAL LABORATORY

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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 B184889 - SW-846 3540C												
Blank (B184889-BLK1)				Prepared: 08/24/17 Analyzed: 08/31/17								
Aroclor-1016	ND	0.10	mg/Kg									R-05
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	*0.868*		mg/Kg	1.00		86.8		30-150				
Surrogate: Decachlorobiphenyl [2C]	*0.962*		mg/Kg	1.00		96.2		30-150				
Surrogate: Tetrachloro-m-xylene	*0.850*		mg/Kg	1.00		85.0		30-150				
Surrogate: Tetrachloro-m-xylene [2C]	*1.01*		mg/Kg	1.00		101		30-150				
LCS (B184889-BS1)				Prepared: 08/24/17 Analyzed: 08/31/17								
Aroclor-1016	0.93	0.10	mg/Kg	1.00		93.4		40-140				R-05
Aroclor-1016 [2C]	1.1	0.10	mg/Kg	1.00		110		40-140				
Aroclor-1260	0.85	0.10	mg/Kg	1.00		84.9		40-140				
Aroclor-1260 [2C]	0.95	0.10	mg/Kg	1.00		94.7		40-140				
Surrogate: Decachlorobiphenyl	*0.961*		mg/Kg	1.00		96.1		30-150				
Surrogate: Decachlorobiphenyl [2C]	*1.06*		mg/Kg	1.00		106		30-150				
Surrogate: Tetrachloro-m-xylene	*0.948*		mg/Kg	1.00		94.8		30-150				
Surrogate: Tetrachloro-m-xylene [2C]	*1.12*		mg/Kg	1.00		112		30-150				
LCS Dup (B184889-BSD1)				Prepared: 08/24/17 Analyzed: 08/31/17								
Aroclor-1016	0.65	0.10	mg/Kg	1.00		65.4		40-140	**35.2**	*	30	R-05
Aroclor-1016 [2C]	0.83	0.10	mg/Kg	1.00		82.6		40-140	28.6		30	
Aroclor-1260	0.80	0.10	mg/Kg	1.00		79.6		40-140	6.40		30	
Aroclor-1260 [2C]	0.89	0.10	mg/Kg	1.00		89.3		40-140	5.88		30	
Surrogate: Decachlorobiphenyl	*0.909*		mg/Kg	1.00		90.9		30-150				
Surrogate: Decachlorobiphenyl [2C]	*1.01*		mg/Kg	1.00		101		30-150				
Surrogate: Tetrachloro-m-xylene	*0.150*		mg/Kg	1.00		**15.0**	*	30-150				S-23
Surrogate: Tetrachloro-m-xylene [2C]	*0.184*		mg/Kg	1.00		**18.4**	*	30-150				S-23

con-test® ANALYTICAL LABORATORY

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

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 B184893 - SW-846 3540C										
Blank (B184893-BLK1)				Prepared: 08/24/17 Analyzed: 08/30/17						
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	*0.906*		mg/Kg	1.00		90.6	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.996*		mg/Kg	1.00		99.6	30-150			
Surrogate: Tetrachloro-m-xylene	*0.833*		mg/Kg	1.00		83.3	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.971*		mg/Kg	1.00		97.1	30-150			
LCS (B184893-BS1)				Prepared: 08/24/17 Analyzed: 08/30/17						
Aroclor-1016	0.86	0.10	mg/Kg	1.00		86.4	40-140			
Aroclor-1016 [2C]	1.0	0.10	mg/Kg	1.00		103	40-140			
Aroclor-1260	0.79	0.10	mg/Kg	1.00		79.3	40-140			
Aroclor-1260 [2C]	0.89	0.10	mg/Kg	1.00		88.8	40-140			
Surrogate: Decachlorobiphenyl	*0.913*		mg/Kg	1.00		91.3	30-150			
Surrogate: Decachlorobiphenyl [2C]	*1.01*		mg/Kg	1.00		101	30-150			
Surrogate: Tetrachloro-m-xylene	*0.887*		mg/Kg	1.00		88.7	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.04*		mg/Kg	1.00		104	30-150			
LCS Dup (B184893-BSD1)				Prepared: 08/24/17 Analyzed: 08/30/17						
Aroclor-1016	0.88	0.10	mg/Kg	1.00		88.1	40-140	1.91	30	
Aroclor-1016 [2C]	1.0	0.10	mg/Kg	1.00		101	40-140	1.80	30	
Aroclor-1260	0.75	0.10	mg/Kg	1.00		74.7	40-140	5.99	30	
Aroclor-1260 [2C]	0.86	0.10	mg/Kg	1.00		86.4	40-140	2.74	30	
Surrogate: Decachlorobiphenyl	*0.903*		mg/Kg	1.00		90.3	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.999*		mg/Kg	1.00		99.9	30-150			
Surrogate: Tetrachloro-m-xylene	*0.856*		mg/Kg	1.00		85.6	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.998*		mg/Kg	1.00		99.8	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 B184893 - SW-846 3540C										
Matrix Spike (B184893-MS1)		**Source: 17H1165-18**		Prepared: 08/24/17 Analyzed: 08/31/17						
Aroclor-1016	0.79	0.098	mg/Kg	0.980	ND	80.5	40-140			
Aroclor-1016 [2C]	0.94	0.098	mg/Kg	0.980	ND	95.5	40-140			
Aroclor-1260	0.74	0.098	mg/Kg	0.980	0.15	60.8	40-140			
Aroclor-1260 [2C]	0.88	0.098	mg/Kg	0.980	0.20	69.4	40-140			
Surrogate: Decachlorobiphenyl	*0.770*		mg/Kg	0.980		78.6	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.862*		mg/Kg	0.980		88.0	30-150			
Surrogate: Tetrachloro-m-xylene	*0.797*		mg/Kg	0.980		81.3	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.939*		mg/Kg	0.980		95.8	30-150			
Matrix Spike Dup (B184893-MSD1)		**Source: 17H1165-18**		Prepared: 08/24/17 Analyzed: 08/31/17						
Aroclor-1016	0.81	0.098	mg/Kg	0.980	ND	82.4	40-140	2.29	50	
Aroclor-1016 [2C]	1.0	0.098	mg/Kg	0.980	ND	104	40-140	8.06	50	
Aroclor-1260	0.77	0.098	mg/Kg	0.980	0.15	63.9	40-140	3.90	50	
Aroclor-1260 [2C]	0.92	0.098	mg/Kg	0.980	0.20	73.1	40-140	4.05	50	
Surrogate: Decachlorobiphenyl	*0.824*		mg/Kg	0.980		84.1	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.920*		mg/Kg	0.980		93.9	30-150			
Surrogate: Tetrachloro-m-xylene	*0.819*		mg/Kg	0.980		83.5	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.967*		mg/Kg	0.980		98.6	30-150			

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC-10-CO-3

Lab Sample ID: 17H1165-01

Date(s) Analyzed: 08/31/2017 08/31/2017

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	3.1	
	2	0.000	0.000	0.000	3.6	14.9

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC-10-CO-4

Lab Sample ID: 17H1165-02

Date(s) Analyzed: 08/31/2017 08/31/2017

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	3.5	
	2	0.000	0.000	0.000	4.1	13.0

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC-10-CO-5

Lab Sample ID: 17H1165-03

Date(s) Analyzed: 08/31/2017 08/31/2017

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	1.6	
	2	0.000	0.000	0.000	1.8	11.8

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC-10-CO-6

Lab Sample ID: 17H1165-04

Date(s) Analyzed: 08/31/2017 08/31/2017

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	4.0	
	2	0.000	0.000	0.000	4.6	14.0

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC-10-CO-7

Lab Sample ID: 17H1165-05

Date(s) Analyzed: 08/31/2017 08/31/2017

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	2.5	
	2	0.000	0.000	0.000	3.1	21.4

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC-10-CO-8

Lab Sample ID: 17H1165-06

Date(s) Analyzed: 08/31/2017 08/31/2017

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	7.7	
	2	0.000	0.000	0.000	9.3	18.8

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC-10-CO-9

Lab Sample ID: 17H1165-07

Date(s) Analyzed: 08/31/2017 08/31/2017

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	1.5	
	2	0.000	0.000	0.000	1.5	0.0

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC-10-CO-10

Lab Sample ID: 17H1165-08

Date(s) Analyzed: 08/31/2017 08/31/2017

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	16	
	2	0.000	0.000	0.000	19	17.1

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC-10-CO-11

Lab Sample ID: 17H1165-09

Date(s) Analyzed: 08/31/2017 08/31/2017

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	270	
	2	0.000	0.000	0.000	320	16.9

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC-10-CO-12

Lab Sample ID: 17H1165-10

Date(s) Analyzed: 08/31/2017 08/31/2017

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	4.4	
	2	0.000	0.000	0.000	5.5	22.2

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC-10-CO-13

Lab Sample ID: 17H1165-11

Date(s) Analyzed: 08/31/2017 08/31/2017

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	8.6	
	2	0.000	0.000	0.000	8.8	2.3

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC-10-CO-14

Lab Sample ID: 17H1165-12

Date(s) Analyzed: 08/31/2017 08/31/2017

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	120	
	2	0.000	0.000	0.000	150	22.2

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC-10-CO-32

Lab Sample ID: 17H1165-16 Date(s) Analyzed: 08/31/2017 08/31/2017

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	0.000	0.000	0.12	
	2	0.000	0.000	0.000	0.16	28.6
Aroclor-1260	1	0.000	0.000	0.000	0.19	
	2	0.000	0.000	0.000	0.24	23.3

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC-10-CO-33

Lab Sample ID: 17H1165-17

Date(s) Analyzed: 08/31/2017 08/31/2017

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	0.000	0.000	1.4	
	2	0.000	0.000	0.000	1.5	6.9
Aroclor-1260	1	0.000	0.000	0.000	0.33	
	2	0.000	0.000	0.000	0.53	46.5

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC-10-CO-34

Lab Sample ID: 17H1165-18

Date(s) Analyzed: 08/31/2017 08/31/2017

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	0.000	0.000	0.11	
	2	0.000	0.000	0.000	0.15	30.8
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-AOC-10-CO-35

Lab Sample ID: 17H1165-19

Date(s) Analyzed: 08/31/2017 08/31/2017

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	0.000	0.000	0.11	
	2	0.000	0.000	0.000	0.20	58.1
Aroclor-1260	1	0.000	0.000	0.000	0.17	
	2	0.000	0.000	0.000	0.24	34.1

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC-10-CO-36

Lab Sample ID: 17H1165-20 Date(s) Analyzed: 08/31/2017 08/31/2017

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	0.000	0.000	0.099	
	2	0.000	0.000	0.000	0.14	34.3
Aroclor-1260	1	0.000	0.000	0.000	0.13	
	2	0.000	0.000	0.000	0.18	32.3

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC-10-CO-37

Lab Sample ID: 17H1165-21

Date(s) Analyzed: 08/31/2017 08/31/2017

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	0.15	
	2	0.000	0.000	0.000	0.21	33.3

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC-10-CO-38

Lab Sample ID: 17H1165-22

Date(s) Analyzed: 08/31/2017 08/31/2017

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	0.000	0.000	0.12	
	2	0.000	0.000	0.000	0.22	58.8
Aroclor-1260	1	0.000	0.000	0.000	0.21	
	2	0.000	0.000	0.000	0.29	32.0

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC-10-CO-39

Lab Sample ID: 17H1165-23

Date(s) Analyzed: 08/31/2017 08/31/2017

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	0.000	0.000	0.12	
	2	0.000	0.000	0.000	0.20	42.4
Aroclor-1260	1	0.000	0.000	0.000	0.19	
	2	0.000	0.000	0.000	0.27	34.8

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

Dup-14

Lab Sample ID: 17H1165-24 Date(s) Analyzed: 09/01/2017 09/01/2017

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	0.000	0.000	1.7	
	2	0.000	0.000	0.000	1.8	5.7
Aroclor-1260	1	0.000	0.000	0.000	0.41	
	2	0.000	0.000	0.000	0.63	42.3

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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.

P-02	Sample RPD between primary and confirmatory analysis exceeded 40%. Per EPA method 8000, the lower value was reported due to obvious chromatographic interference on the column with the higher result.
R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
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.
S-23	Surrogate recovery outside of control limits in BS/MS spiked sample, all reported analytes are within control criteria, data not significantly affected.

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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 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

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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

17H1165

http://www.contestlabs.com

Doc # 381 Rev 1_03242017

con-test ANALYTICAL LABORATORY
Phone: 413-525-2332
Fax: 413-525-6405
Email: info@contestlabs.com
39 Spruce Street
East Longmeadow, MA 01028

CHAIN OF CUSTODY RECORD

Company Name: Weston & Sampson
Address: 225 Dividend Rd Rocky Hill, CT
Phone: 800 SAMPSON
Project Name: English Station
Project Location: 510 Grand Avenue · New Haven, CT
Project Number: 01700495
Project Manager: Malcolm Baker
Con-Test Quote Name/Number:
Invoice Recipient:
Sampled By: JBS

Requested Turnaround Time: 7-Day [X] 10-Day [ ] Due Date:
Rush Approval Required: 1-Day [ ] 3-Day [ ] 2-Day [ ] 4-Day [ ]
Data Delivery: Format: PDF [X] EXCEL [X] Other:
CLP Like Data Pkg Required: [ ]
Email To: Baker@MCWSeinc.com
Fax To #:

ANALYSIS REQUESTED

Dissolved Metals Samples: O Field Filtered O Lab to Filter
Orthophosphate Samples: O Field Filtered O Lab to Filter

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	[1]Matrix Code	Conc Code	PCBs	# of Containers	[2] Preservation Code	[3] Container Code
1	WS-AOC-10-CO-3	8/18/17	1030		X	O	U	X			
2	WS-AOC-10-CO-4		1035								
3	WS-AOC-10-CO-5		1040								
4	WS-AOC-10-CO-6		1045								
5	WS-AOC-10-CO-7		1050								
6	WS-AOC-10-CO-8		1055								
7	WS-AOC-10-CO-9		1100								
8	WS-AOC-10-CO-10		1105								
9	WS-AOC-10-CO-11		1120								
10	WS-AOC-10-CO-12		1125								

Comments:

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

[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 / DI

[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: 8/21/17 1500	Detection Limit Requirements: DW	Special Requirements: [ ] MA MCP Required
Received by: (signature) 8/21/17	Date/Time: 1500		MCP Certification Form Required
Relinquished by: (signature) 8/21/17	Date/Time: 440		[X] CT RCP Required
Received by: (signature) 8/21/17	Date/Time: 1640	CT DEC	RCP Certification Form Required
Relinquished by: (signature)	Date/Time:		[ ] MA State DW Required
Received by: (signature)	Date/Time:	Other:	PWSID #

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NELAC and AIHA-LAP, LLC Accredited

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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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: 800-SAMPSON
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:
Sampled By: TAS

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@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	PCB5											# of Containers / [2] Preservation Code / [3] Container Code
11	WS-AOC-10-CO-13	8/18/17	1130		X	O	U	X											
12	WS-AOC-10-CO-14	↓	1135																
13	EB-44		1000																
14	EB-45	8/21/17	1200																
15	EB-46		1205																
16	WS-AOC-10-CO-32		1405																
17	WS-AOC-10-CO-33		1410																
18	WS-AOC-10-CO-34		1415																
19	WS-AOC-10-CO-35		1420																
20	WS-AOC-10-CO-36		1425																

Comments:
~~AOC~~ MS WS-AOC-10-CO-34 is 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

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)

Relinquished by: (signature)	Date/Time: 8/21/17 1500
Received by: (signature) for ECS	Date/Time: 8/21/17 1500
Relinquished by: (signature) for ECS	Date/Time: 8/21/17 9.40
Received by: (signature) 9.3	Date/Time: 8/21/17 1680
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:

Detection Limit Requirements
MA
CT
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

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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

PCBs

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
21	WS-AOC-10-CO-37	8/21/17	1430		X	O	U			
22	WS-AOC-10-CO-38	↓	1435							
23	WS-AOC-10-CO-39	↓	1440							
24	DUP-14	8/21/17	—							

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

Relinquished by: (signature)	Date/Time: 8/21/17 1500
Received by: (signature)	Date/Time: 8/21/17 1500
Relinquished by: (signature)	Date/Time: 8/21/17 4:40
Received by: (signature)	Date/Time: 8/21/17 1640
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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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 8/21/17 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 - 4.3
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 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? 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~~ T (JW)
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	
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear	23
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: 17H1165

Laboratory Sample ID(s):

17H1165-01 thru 17H1165-24

Sample Date(s):

08/18/2017,
08/21/2017

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 5, 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: 17H1283

Enclosed are results of analyses for samples received by the laboratory on August 23, 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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17H1283-09 14

17H1283-10 15

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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: 9/5/2017

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 2170495

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 17H1283

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-AOC10-CO-40	17H1283-01	Product/Solid		SW-846 8082A	
WS-AOC10-CO-41	17H1283-02	Product/Solid		SW-846 8082A	
WS-AOC10-CO-42	17H1283-03	Product/Solid		SW-846 8082A	
WS-AOC10-CO-43	17H1283-04	Product/Solid		SW-846 8082A	
WS-AOC10-CO-44	17H1283-05	Product/Solid		SW-846 8082A	
WS-AOC10-CO-45	17H1283-06	Product/Solid		SW-846 8082A	
WS-AOC3-CO-4	17H1283-07	Product/Solid		SW-846 8082A	
WS-AOC3-CO-5	17H1283-08	Product/Solid		SW-846 8082A	
WS-AOC9-AS-44	17H1283-09	Product/Solid		SW-846 8082A	
WS-AOC9-AS-46	17H1283-10	Product/Solid		SW-846 8082A	
WS-AOC9-AS-47	17H1283-11	Product/Solid		SW-846 8082A	
WS-AOC9-AS-48	17H1283-12	Product/Solid		SW-846 8082A	
WS-AOC9-CO-68	17H1283-13	Product/Solid		SW-846 8082A	
WS-AOC9-CO-69	17H1283-14	Product/Solid		SW-846 8082A	
WS-AOC9-CO-70	17H1283-15	Product/Solid		SW-846 8082A	
WS-AOC9-CO-71	17H1283-16	Product/Solid		SW-846 8082A	
WS-AOC9-CO-72	17H1283-17	Product/Solid		SW-846 8082A	
WS-AOC9-CO-73	17H1283-18	Product/Solid		SW-846 8082A	
WS-AOC9-CO-74	17H1283-19	Product/Solid		SW-846 8082A	
WS-AOC9-CO-75	17H1283-20	Product/Solid		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.

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.

Tod E. Kopyscinski
Laboratory Director

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: 17H1283

Date Received: 8/23/2017

Field Sample #: WS-AOC10-CO-40 Sampled: 8/23/2017 10:00

Sample ID: 17H1283-01

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	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/2/17 21:05	JMB
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/2/17 21:05	JMB
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/2/17 21:05	JMB
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/2/17 21:05	JMB
Aroclor-1248 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/2/17 21:05	JMB
Aroclor-1254 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/2/17 21:05	JMB
Aroclor-1260 [1]	0.45	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/2/17 21:05	JMB
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/2/17 21:05	JMB
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/2/17 21:05	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	98.8	30-150		9/2/17 21:05
Decachlorobiphenyl [2]	86.1	30-150		9/2/17 21:05
Tetrachloro-m-xylene [1]	101	30-150		9/2/17 21:05
Tetrachloro-m-xylene [2]	69.3	30-150		9/2/17 21:05

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: 17H1283

Date Received: 8/23/2017

Field Sample #: WS-AOC10-CO-41 Sampled: 8/23/2017 10:10

Sample ID: 17H1283-02

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	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/2/17 21:23	JMB
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/2/17 21:23	JMB
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/2/17 21:23	JMB
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/2/17 21:23	JMB
Aroclor-1248 [1]	0.11	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/2/17 21:23	JMB
Aroclor-1254 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/2/17 21:23	JMB
Aroclor-1260 [2]	0.31	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/2/17 21:23	JMB
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/2/17 21:23	JMB
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/2/17 21:23	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	83.4	30-150		9/2/17 21:23
Decachlorobiphenyl [2]	77.2	30-150		9/2/17 21:23
Tetrachloro-m-xylene [1]	93.4	30-150		9/2/17 21:23
Tetrachloro-m-xylene [2]	74.3	30-150		9/2/17 21:23

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1283

Date Received: 8/23/2017

Field Sample #: WS-AOC10-CO-42 Sampled: 8/23/2017 10:20

Sample ID: 17H1283-03

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	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/2/17 21:40	JMB
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/2/17 21:40	JMB
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/2/17 21:40	JMB
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/2/17 21:40	JMB
Aroclor-1248 [1]	0.14	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/2/17 21:40	JMB
Aroclor-1254 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/2/17 21:40	JMB
Aroclor-1260 [2]	0.12	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/2/17 21:40	JMB
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/2/17 21:40	JMB
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/2/17 21:40	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	94.1	30-150		9/2/17 21:40
Decachlorobiphenyl [2]	81.6	30-150		9/2/17 21:40
Tetrachloro-m-xylene [1]	102	30-150		9/2/17 21:40
Tetrachloro-m-xylene [2]	79.1	30-150		9/2/17 21:40

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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: 17H1283

Date Received: 8/23/2017

Field Sample #: WS-AOC10-CO-43 Sampled: 8/23/2017 10:30

Sample ID: 17H1283-04

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	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/2/17 21:58	JMB
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/2/17 21:58	JMB
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/2/17 21:58	JMB
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/2/17 21:58	JMB
Aroclor-1248 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/2/17 21:58	JMB
Aroclor-1254 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/2/17 21:58	JMB
Aroclor-1260 [1]	0.28	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/2/17 21:58	JMB
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/2/17 21:58	JMB
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/2/17 21:58	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	90.2	30-150		9/2/17 21:58
Decachlorobiphenyl [2]	80.0	30-150		9/2/17 21:58
Tetrachloro-m-xylene [1]	98.9	30-150		9/2/17 21:58
Tetrachloro-m-xylene [2]	70.6	30-150		9/2/17 21:58

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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: 17H1283

Date Received: 8/23/2017

Field Sample #: WS-AOC10-CO-44 Sampled: 8/23/2017 10:40

Sample ID: 17H1283-05

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	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/2/17 22:15	JMB
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/2/17 22:15	JMB
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/2/17 22:15	JMB
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/2/17 22:15	JMB
Aroclor-1248 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/2/17 22:15	JMB
Aroclor-1254 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/2/17 22:15	JMB
Aroclor-1260 [1]	0.41	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/2/17 22:15	JMB
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/2/17 22:15	JMB
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/2/17 22:15	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	98.1	30-150		9/2/17 22:15
Decachlorobiphenyl [2]	84.8	30-150		9/2/17 22:15
Tetrachloro-m-xylene [1]	105	30-150		9/2/17 22:15
Tetrachloro-m-xylene [2]	76.2	30-150		9/2/17 22:15

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1283

Date Received: 8/23/2017

Field Sample #: WS-AOC10-CO-45 Sampled: 8/23/2017 10:50

Sample ID: 17H1283-06

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	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/2/17 22:33	JMB
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/2/17 22:33	JMB
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/2/17 22:33	JMB
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/2/17 22:33	JMB
Aroclor-1248 [1]	0.12	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/2/17 22:33	JMB
Aroclor-1254 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/2/17 22:33	JMB
Aroclor-1260 [1]	0.19	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/2/17 22:33	JMB
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/2/17 22:33	JMB
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/2/17 22:33	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	80.3	30-150		9/2/17 22:33
Decachlorobiphenyl [2]	75.7	30-150		9/2/17 22:33
Tetrachloro-m-xylene [1]	86.4	30-150		9/2/17 22:33
Tetrachloro-m-xylene [2]	71.6	30-150		9/2/17 22:33

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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: 17H1283

Date Received: 8/23/2017

Field Sample #: WS-AOC3-CO-4 Sampled: 8/23/2017 11:00

Sample ID: 17H1283-07

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	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/2/17 22:50	JMB
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/2/17 22:50	JMB
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/2/17 22:50	JMB
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/2/17 22:50	JMB
Aroclor-1248 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/2/17 22:50	JMB
Aroclor-1254 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/2/17 22:50	JMB
Aroclor-1260 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/2/17 22:50	JMB
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/2/17 22:50	JMB
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/2/17 22:50	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	107	30-150		9/2/17 22:50
Decachlorobiphenyl [2]	90.9	30-150		9/2/17 22:50
Tetrachloro-m-xylene [1]	115	30-150		9/2/17 22:50
Tetrachloro-m-xylene [2]	79.3	30-150		9/2/17 22:50

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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: 17H1283

Date Received: 8/23/2017

Field Sample #: WS-AOC3-CO-5 Sampled: 8/23/2017 11:10

Sample ID: 17H1283-08

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	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/2/17 23:07	JMB
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/2/17 23:07	JMB
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/2/17 23:07	JMB
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/2/17 23:07	JMB
Aroclor-1248 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/2/17 23:07	JMB
Aroclor-1254 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/2/17 23:07	JMB
Aroclor-1260 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/2/17 23:07	JMB
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/2/17 23:07	JMB
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/2/17 23:07	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	117	30-150		9/2/17 23:07
Decachlorobiphenyl [2]	97.7	30-150		9/2/17 23:07
Tetrachloro-m-xylene [1]	114	30-150		9/2/17 23:07
Tetrachloro-m-xylene [2]	76.9	30-150		9/2/17 23:07

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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: 17H1283

Date Received: 8/23/2017

Field Sample #: WS-AOC9-AS-44 Sampled: 8/23/2017 11:30

Sample ID: 17H1283-09

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	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/3/17 9:31	JMB
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/3/17 9:31	JMB
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/3/17 9:31	JMB
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/3/17 9:31	JMB
Aroclor-1248 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/3/17 9:31	JMB
Aroclor-1254 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/3/17 9:31	JMB
Aroclor-1260 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/3/17 9:31	JMB
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/3/17 9:31	JMB
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/3/17 9:31	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	92.4	30-150		9/3/17 9:31
Decachlorobiphenyl [2]	82.1	30-150		9/3/17 9:31
Tetrachloro-m-xylene [1]	94.5	30-150		9/3/17 9:31
Tetrachloro-m-xylene [2]	72.0	30-150		9/3/17 9:31

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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: 17H1283

Date Received: 8/23/2017

Field Sample #: WS-AOC9-AS-46 Sampled: 8/23/2017 11:35

Sample ID: 17H1283-10

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	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/3/17 9:48	JMB
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/3/17 9:48	JMB
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/3/17 9:48	JMB
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/3/17 9:48	JMB
Aroclor-1248 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/3/17 9:48	JMB
Aroclor-1254 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/3/17 9:48	JMB
Aroclor-1260 [1]	0.10	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/3/17 9:48	JMB
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/3/17 9:48	JMB
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/3/17 9:48	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	75.2	30-150		9/3/17 9:48
Decachlorobiphenyl [2]	73.2	30-150		9/3/17 9:48
Tetrachloro-m-xylene [1]	88.2	30-150		9/3/17 9:48
Tetrachloro-m-xylene [2]	70.9	30-150		9/3/17 9:48

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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: 17H1283

Date Received: 8/23/2017

Field Sample #: WS-AOC9-AS-47 Sampled: 8/23/2017 11:40

Sample ID: 17H1283-11

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	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/3/17 10:06	JMB
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/3/17 10:06	JMB
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/3/17 10:06	JMB
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/3/17 10:06	JMB
Aroclor-1248 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/3/17 10:06	JMB
Aroclor-1254 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/3/17 10:06	JMB
Aroclor-1260 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/3/17 10:06	JMB
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/3/17 10:06	JMB
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/3/17 10:06	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	69.7	30-150		9/3/17 10:06
Decachlorobiphenyl [2]	69.7	30-150		9/3/17 10:06
Tetrachloro-m-xylene [1]	86.2	30-150		9/3/17 10:06
Tetrachloro-m-xylene [2]	71.7	30-150		9/3/17 10:06

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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: 17H1283

Date Received: 8/23/2017

Field Sample #: WS-AOC9-AS-48 Sampled: 8/23/2017 11:45

Sample ID: 17H1283-12

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	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/3/17 10:23	JMB
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/3/17 10:23	JMB
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/3/17 10:23	JMB
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/3/17 10:23	JMB
Aroclor-1248 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/3/17 10:23	JMB
Aroclor-1254 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/3/17 10:23	JMB
Aroclor-1260 [1]	0.14	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/3/17 10:23	JMB
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/3/17 10:23	JMB
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/3/17 10:23	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	74.5	30-150		9/3/17 10:23
Decachlorobiphenyl [2]	71.9	30-150		9/3/17 10:23
Tetrachloro-m-xylene [1]	80.5	30-150		9/3/17 10:23
Tetrachloro-m-xylene [2]	74.8	30-150		9/3/17 10:23

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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: 17H1283

Date Received: 8/23/2017

Field Sample #: WS-AOC9-CO-68 Sampled: 8/23/2017 11:50

Sample ID: 17H1283-13

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	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/3/17 1:57	JMB
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/3/17 1:57	JMB
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/3/17 1:57	JMB
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/3/17 1:57	JMB
Aroclor-1248 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/3/17 1:57	JMB
Aroclor-1254 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/3/17 1:57	JMB
Aroclor-1260 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/3/17 1:57	JMB
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/3/17 1:57	JMB
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/3/17 1:57	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	81.7	30-150		9/3/17 1:57
Decachlorobiphenyl [2]	75.1	30-150		9/3/17 1:57
Tetrachloro-m-xylene [1]	110	30-150		9/3/17 1:57
Tetrachloro-m-xylene [2]	85.1	30-150		9/3/17 1:57

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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: 17H1283

Date Received: 8/23/2017

Field Sample #: WS-AOC9-CO-69 Sampled: 8/23/2017 11:55

Sample ID: 17H1283-14

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	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/3/17 2:14	JMB
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/3/17 2:14	JMB
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/3/17 2:14	JMB
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/3/17 2:14	JMB
Aroclor-1248 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/3/17 2:14	JMB
Aroclor-1254 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/3/17 2:14	JMB
Aroclor-1260 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/3/17 2:14	JMB
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/3/17 2:14	JMB
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/3/17 2:14	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	97.6	30-150		9/3/17 2:14
Decachlorobiphenyl [2]	82.6	30-150		9/3/17 2:14
Tetrachloro-m-xylene [1]	115	30-150		9/3/17 2:14
Tetrachloro-m-xylene [2]	81.6	30-150		9/3/17 2:14

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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: 17H1283

Date Received: 8/23/2017

Field Sample #: WS-AOC9-CO-70 Sampled: 8/23/2017 12:00

Sample ID: 17H1283-15

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	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/3/17 2:32	JMB
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/3/17 2:32	JMB
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/3/17 2:32	JMB
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/3/17 2:32	JMB
Aroclor-1248 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/3/17 2:32	JMB
Aroclor-1254 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/3/17 2:32	JMB
Aroclor-1260 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/3/17 2:32	JMB
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/3/17 2:32	JMB
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/3/17 2:32	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	88.4	30-150		9/3/17 2:32
Decachlorobiphenyl [2]	78.9	30-150		9/3/17 2:32
Tetrachloro-m-xylene [1]	110	30-150		9/3/17 2:32
Tetrachloro-m-xylene [2]	78.2	30-150		9/3/17 2:32

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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: 17H1283

Date Received: 8/23/2017

Field Sample #: WS-AOC9-CO-71 Sampled: 8/23/2017 12:05

Sample ID: 17H1283-16

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	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/3/17 2:49	JMB
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/3/17 2:49	JMB
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/3/17 2:49	JMB
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/3/17 2:49	JMB
Aroclor-1248 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/3/17 2:49	JMB
Aroclor-1254 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/3/17 2:49	JMB
Aroclor-1260 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/3/17 2:49	JMB
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/3/17 2:49	JMB
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/3/17 2:49	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	103	30-150		9/3/17 2:49
Decachlorobiphenyl [2]	84.5	30-150		9/3/17 2:49
Tetrachloro-m-xylene [1]	114	30-150		9/3/17 2:49
Tetrachloro-m-xylene [2]	78.7	30-150		9/3/17 2:49

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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: 17H1283

Date Received: 8/23/2017

Field Sample #: WS-AOC9-CO-72 Sampled: 8/23/2017 12:10

Sample ID: 17H1283-17

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	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/3/17 3:07	JMB
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/3/17 3:07	JMB
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/3/17 3:07	JMB
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/3/17 3:07	JMB
Aroclor-1248 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/3/17 3:07	JMB
Aroclor-1254 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/3/17 3:07	JMB
Aroclor-1260 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/3/17 3:07	JMB
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/3/17 3:07	JMB
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/3/17 3:07	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	108	30-150		9/3/17 3:07
Decachlorobiphenyl [2]	88.8	30-150		9/3/17 3:07
Tetrachloro-m-xylene [1]	116	30-150		9/3/17 3:07
Tetrachloro-m-xylene [2]	79.2	30-150		9/3/17 3:07

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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: 17H1283

Date Received: 8/23/2017

Field Sample #: WS-AOC9-CO-73 Sampled: 8/23/2017 12:15

Sample ID: 17H1283-18

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	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/3/17 3:25	JMB
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/3/17 3:25	JMB
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/3/17 3:25	JMB
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/3/17 3:25	JMB
Aroclor-1248 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/3/17 3:25	JMB
Aroclor-1254 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/3/17 3:25	JMB
Aroclor-1260 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/3/17 3:25	JMB
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/3/17 3:25	JMB
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/3/17 3:25	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	114	30-150		9/3/17 3:25
Decachlorobiphenyl [2]	93.6	30-150		9/3/17 3:25
Tetrachloro-m-xylene [1]	118	30-150		9/3/17 3:25
Tetrachloro-m-xylene [2]	79.5	30-150		9/3/17 3:25

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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: 17H1283

Date Received: 8/23/2017

Field Sample #: WS-AOC9-CO-74 Sampled: 8/23/2017 12:20

Sample ID: 17H1283-19

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	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/3/17 3:42	JMB
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/3/17 3:42	JMB
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/3/17 3:42	JMB
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/3/17 3:42	JMB
Aroclor-1248 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/3/17 3:42	JMB
Aroclor-1254 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/3/17 3:42	JMB
Aroclor-1260 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/3/17 3:42	JMB
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/3/17 3:42	JMB
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/3/17 3:42	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	115	30-150		9/3/17 3:42
Decachlorobiphenyl [2]	94.4	30-150		9/3/17 3:42
Tetrachloro-m-xylene [1]	115	30-150		9/3/17 3:42
Tetrachloro-m-xylene [2]	74.8	30-150		9/3/17 3:42

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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: 17H1283

Date Received: 8/23/2017

Field Sample #: WS-AOC9-CO-75 Sampled: 8/23/2017 12:25

Sample ID: 17H1283-20

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	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/3/17 4:00	JMB
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/3/17 4:00	JMB
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/3/17 4:00	JMB
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/3/17 4:00	JMB
Aroclor-1248 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/3/17 4:00	JMB
Aroclor-1254 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/3/17 4:00	JMB
Aroclor-1260 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/3/17 4:00	JMB
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/3/17 4:00	JMB
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/3/17 4:00	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	109	30-150		9/3/17 4:00
Decachlorobiphenyl [2]	92.4	30-150		9/3/17 4:00
Tetrachloro-m-xylene [1]	114	30-150		9/3/17 4:00
Tetrachloro-m-xylene [2]	78.0	30-150		9/3/17 4:00

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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
17H1283-01 [WS-AOC10-CO-40]	B185074	2.00	10.0	08/28/17
17H1283-02 [WS-AOC10-CO-41]	B185074	2.00	10.0	08/28/17
17H1283-03 [WS-AOC10-CO-42]	B185074	2.00	10.0	08/28/17
17H1283-04 [WS-AOC10-CO-43]	B185074	2.00	10.0	08/28/17
17H1283-05 [WS-AOC10-CO-44]	B185074	2.00	10.0	08/28/17
17H1283-06 [WS-AOC10-CO-45]	B185074	2.00	10.0	08/28/17
17H1283-07 [WS-AOC3-CO-4]	B185074	2.00	10.0	08/28/17
17H1283-08 [WS-AOC3-CO-5]	B185074	2.00	10.0	08/28/17
17H1283-09 [WS-AOC9-AS-44]	B185074	2.00	10.0	08/28/17
17H1283-10 [WS-AOC9-AS-46]	B185074	2.00	10.0	08/28/17
17H1283-11 [WS-AOC9-AS-47]	B185074	2.00	10.0	08/28/17
17H1283-12 [WS-AOC9-AS-48]	B185074	2.00	10.0	08/28/17
17H1283-13 [WS-AOC9-CO-68]	B185074	2.00	10.0	08/28/17
17H1283-14 [WS-AOC9-CO-69]	B185074	2.00	10.0	08/28/17
17H1283-15 [WS-AOC9-CO-70]	B185074	2.00	10.0	08/28/17
17H1283-16 [WS-AOC9-CO-71]	B185074	2.00	10.0	08/28/17
17H1283-17 [WS-AOC9-CO-72]	B185074	2.00	10.0	08/28/17
17H1283-18 [WS-AOC9-CO-73]	B185074	2.00	10.0	08/28/17
17H1283-19 [WS-AOC9-CO-74]	B185074	2.00	10.0	08/28/17
17H1283-20 [WS-AOC9-CO-75]	B185074	2.00	10.0	08/28/17

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

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 B185074 - SW-846 3540C										
Blank (B185074-BLK1)				Prepared: 08/28/17 Analyzed: 09/02/17						
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	*0.974*		mg/Kg	1.00		97.4	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.856*		mg/Kg	1.00		85.6	30-150			
Surrogate: Tetrachloro-m-xylene	*1.05*		mg/Kg	1.00		105	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.807*		mg/Kg	1.00		80.7	30-150			
LCS (B185074-BS1)				Prepared: 08/28/17 Analyzed: 09/02/17						
Aroclor-1016	1.0	0.10	mg/Kg	1.00		99.6	40-140			
Aroclor-1016 [2C]	0.97	0.10	mg/Kg	1.00		97.2	40-140			
Aroclor-1260	0.88	0.10	mg/Kg	1.00		88.3	40-140			
Aroclor-1260 [2C]	0.88	0.10	mg/Kg	1.00		88.2	40-140			
Surrogate: Decachlorobiphenyl	*0.999*		mg/Kg	1.00		99.9	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.891*		mg/Kg	1.00		89.1	30-150			
Surrogate: Tetrachloro-m-xylene	*1.07*		mg/Kg	1.00		107	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.808*		mg/Kg	1.00		80.8	30-150			
LCS Dup (B185074-BSD1)				Prepared: 08/28/17 Analyzed: 09/02/17						
Aroclor-1016	1.0	0.10	mg/Kg	1.00		105	40-140	4.92	30	
Aroclor-1016 [2C]	0.99	0.10	mg/Kg	1.00		99.1	40-140	1.98	30	
Aroclor-1260	0.89	0.10	mg/Kg	1.00		89.3	40-140	1.14	30	
Aroclor-1260 [2C]	0.88	0.10	mg/Kg	1.00		87.5	40-140	0.809	30	
Surrogate: Decachlorobiphenyl	*1.03*		mg/Kg	1.00		103	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.900*		mg/Kg	1.00		90.0	30-150			
Surrogate: Tetrachloro-m-xylene	*1.09*		mg/Kg	1.00		109	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.816*		mg/Kg	1.00		81.6	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 B185074 - SW-846 3540C										
Matrix Spike (B185074-MS1)		**Source: 17H1283-18**		Prepared: 08/28/17 Analyzed: 09/02/17						
Aroclor-1016	1.1	0.10	mg/Kg	1.00	ND	108	40-140			
Aroclor-1016 [2C]	0.83	0.10	mg/Kg	1.00	ND	83.1	40-140			
Aroclor-1260	0.86	0.10	mg/Kg	1.00	ND	85.9	40-140			
Aroclor-1260 [2C]	0.85	0.10	mg/Kg	1.00	ND	85.4	40-140			
Surrogate: Decachlorobiphenyl	*1.15*		mg/Kg	1.00		115	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.974*		mg/Kg	1.00		97.4	30-150			
Surrogate: Tetrachloro-m-xylene	*1.14*		mg/Kg	1.00		114	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.777*		mg/Kg	1.00		77.7	30-150			
Matrix Spike Dup (B185074-MSD1)		**Source: 17H1283-18**		Prepared: 08/28/17 Analyzed: 09/02/17						
Aroclor-1016	0.74	0.10	mg/Kg	1.00	ND	74.5	40-140	36.8	50	
Aroclor-1016 [2C]	0.68	0.10	mg/Kg	1.00	ND	67.9	40-140	20.2	50	
Aroclor-1260	0.82	0.10	mg/Kg	1.00	ND	82.0	40-140	4.57	50	
Aroclor-1260 [2C]	0.82	0.10	mg/Kg	1.00	ND	81.5	40-140	4.64	50	
Surrogate: Decachlorobiphenyl	*1.23*		mg/Kg	1.00		123	30-150			
Surrogate: Decachlorobiphenyl [2C]	*1.03*		mg/Kg	1.00		103	30-150			
Surrogate: Tetrachloro-m-xylene	*1.17*		mg/Kg	1.00		117	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.784*		mg/Kg	1.00		78.4	30-150			

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC10-CO-40

Lab Sample ID: 17H1283-01

Date(s) Analyzed: 09/02/2017 09/02/2017

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	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

WS-AOC10-CO-41

Lab Sample ID: 17H1283-02

Date(s) Analyzed: 09/02/2017 09/02/2017

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	0.000	0.000	0.11	
	2	0.000	0.000	0.000	0.10	9.5
Aroclor-1260	1	0.000	0.000	0.000	0.30	
	2	0.000	0.000	0.000	0.31	3.3

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC10-CO-42

Lab Sample ID: 17H1283-03

Date(s) Analyzed: 09/02/2017 09/02/2017

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	0.000	0.000	0.14	
	2	0.000	0.000	0.000	0.13	7.4
Aroclor-1260	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-AOC10-CO-43

Lab Sample ID: 17H1283-04

Date(s) Analyzed: 09/02/2017 09/02/2017

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	0.28	
	2	0.000	0.000	0.000	0.26	7.4

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC10-CO-44

Lab Sample ID: 17H1283-05

Date(s) Analyzed: 09/02/2017 09/02/2017

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	0.41	
	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-AOC10-CO-45

Lab Sample ID: 17H1283-06

Date(s) Analyzed: 09/02/2017 09/02/2017

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	0.000	0.000	0.12	
	2	0.000	0.000	0.000	0.12	0.0
Aroclor-1260	1	0.000	0.000	0.000	0.19	
	2	0.000	0.000	0.000	0.18	5.4

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC9-AS-48

Lab Sample ID: 17H1283-12

Date(s) Analyzed: 09/03/2017 09/03/2017

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	0.14	
	2	0.000	0.000	0.000	0.13	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.

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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

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

17H 1283

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Doc # 381 Rev 1_03242017

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Phone: 413-525-2332
Fax: 413-525-6405
Email: info@contestlabs.com
39 Spruce Street
East Longmeadow, MA 01028

CHAIN OF CUSTODY RECORD

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: PCBs Soxhlet

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
								1											[2] Preservation Code
								H											[3] Container Code
								A											
1	WS-AOC10-Co-40	8/23/17	1000		X	O	U	X											
2	WS-AOC10-Co-41	↓	1010		↓	↓	↓	X											
3	WS-AOC10-Co-42		1020					X											
4	WS-AOC10-Co-43		1030					X											
5	WS-AOC10-Co-44		1040					X											
6	WS-AOC10-Co-45		1050					X											
7	WS-AOC3-Co-4		1100					X											
8	WS-AOC3-Co-5		1110					X											
9	WS-AOC9-AS-44		1130					X											
10	WS-AOC9-AS-46	↓	1135		↓	↓	↓	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) 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:
[signature] 8/23/17	1500
Received by: (signature) [signature] 8/23/17	1500
Relinquished by: (signature) [signature] 8/23/17	1845
Received by: (signature) [signature] 3.2 8/23/17	1845
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:

Detection Limit Requirements: MA ; ET Rep3 Rec ; 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

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Phone: 413-525-2332
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Email: info@contestlabs.com

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
11	WS-AOC9-AS-47	8/23/17	1140		X	O	U	X											1
12	WS-AOC9-AS-48	↓	1145		↓	↓	↓	X											1
13	WS-AOC9-Co-68		1150					X											1
14	WS-AOC9-Co-69		1155					X											1
15	WS-AOC9-Co-70		1200					X											1
16	WS-AOC9-Co-71		1205					X											1
17	WS-AOC9-Co-72		1210					X											1
18	WS-AOC9-Co-73		1215					X											1
19	WS-AOC9-Co-74		1220					X											1
20	WS-AOC9-Co-75	↓	1225		↓	↓	↓	X											1

Comments:
WS-AOC9-Co-73 = MS/MSD

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
SL = Sludge
SOL = Solid
O = Other (please define)
Focus 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)

Relinquished by: (signature)	Date/Time: 8/23/17 1500	Detection Limit Requirements	Special Requirements
Received by: (signature)	Date/Time: 8/23/17 1500	MA	☐ MA MCP Required
Relinquished by: (signature)	Date/Time: 8/23/17 1845		MCP Certification Form Required
Received by: (signature)	Date/Time: 8/23/17 1845		☑ CT RCP Required
Relinquished by: (signature)	Date/Time:	CT Res Dec	RCP Certification Form Required
Received by: (signature)	Date/Time:		☐ MA State DW Required
		Other:	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# 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 A.F Date 8/23/17 Time 1845

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 - 3.2
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? N/A
Are there Rushes? N/A Who was notified? N/A
Are there Short Holds? N/A Who was notified? N/A
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	
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear	22
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: 17H1283

Laboratory Sample ID(s):

17H1283-01 thru 17H1283-20

Sample Date(s):

08/23/2017

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 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: 17H1675

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: 9/14/2017

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 2170495

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 17H1675

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-AOC13-SO-33	17H1675-01	Soil		SM 2540G	
				SW-846 8082A	
WS-AOC13-SO-34	17H1675-02	Soil		SM 2540G	
				SW-846 8082A	
WS-AOC13-SO-35	17H1675-03	Soil		SM 2540G	
				SW-846 8082A	
WS-AOC13-SO-36	17H1675-04	Soil		SM 2540G	
				SW-846 8082A	
WS-AOC13-SO-37	17H1675-05	Soil		SM 2540G	
				SW-846 8082A	
WS-AOC13-SO-38	17H1675-06	Soil		SM 2540G	
				SW-846 8082A	
WS-AOC13-SO-39	17H1675-07	Soil		SM 2540G	
				SW-846 8082A	
WS-AOC7-SO-17-0	17H1675-08	Soil		SM 2540G	
				SW-846 8082A	
WS-AOC7-SO-18-0	17H1675-09	Soil		SM 2540G	
				SW-846 8082A	
WS-AOC7-SO-19-0	17H1675-10	Soil		SM 2540G	
				SW-846 8082A	
WS-AOC7-SO-20-0	17H1675-11	Soil		SM 2540G	
				SW-846 8082A	
WS-AOC8-SO-3-0	17H1675-12	Soil		SM 2540G	
				SW-846 8082A	
WS-AOC9-SO-45-0	17H1675-13	Soil		SM 2540G	
				SW-846 8082A	
WS-AOC8-SE-25	17H1675-14	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 6010C-D	
				SW-846 7471B	
				SW-846 8082A	
				SW-846 8260C	
				SW-846 8270D	
WS-AOC10-SE-15	17H1675-15	Soil		SM 2540G	
				SW-846 8082A	
Trip Blank	17H1675-16	Trip Blank Soil		SW-846 8260C	

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: 9/14/2017

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 2170495

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 17H1675

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
Equipment Blank-58	17H1675-17	Equipment Blank Water		CTDEP ETPH	
				SW-846 6020A-B	
				SW-846 7470A	
				SW-846 8082A	
				SW-846 8260C	
				SW-846 8270D	

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.

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

SW-846 6010C-D

Qualifications:

DL-04

Elevated reporting limit due to high concentration of an interfering analyte(s).

Analyte & Samples(s) Qualified:

Silver
17H1675-14[WS-AOC8-SE-25]

Thallium
17H1675-14[WS-AOC8-SE-25]

SW-846 8082A

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:

Decachlorobiphenyl
17H1675-05[WS-AOC13-SO-37], 17H1675-15[WS-AOC10-SE-15]

Decachlorobiphenyl [2C]
17H1675-05[WS-AOC13-SO-37], 17H1675-15[WS-AOC10-SE-15]

Tetrachloro-m-xylene
17H1675-05[WS-AOC13-SO-37], 17H1675-15[WS-AOC10-SE-15]

Tetrachloro-m-xylene [2C]
17H1675-05[WS-AOC13-SO-37], 17H1675-15[WS-AOC10-SE-15]

SW-846 8260C

Qualifications:

L-01

Laboratory fortified blank /laboratory control sample recovery outside of control limits. Data validation is not affected since all results are "not detected" for all samples in this batch for this compound and bias is on the high side.

Analyte & Samples(s) Qualified:

2,2-Dichloropropane
B185788-BS1

V-16

Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.

Analyte & Samples(s) Qualified:

Tetrahydrofuran
17H1675-14[WS-AOC8-SE-25], B185515-BLK1, B185515-BS1

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:

2,2-Dichloropropane
B185788-BS1

SW-846 8270D

Qualifications:

E

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

Analyte & Samples(s) Qualified:

Fluoranthene
17H1675-14[WS-AOC8-SE-25]

Pyrene
17H1675-14[WS-AOC8-SE-25]

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L-04

Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side.

Analyte & Samples(s) Qualified:

4-Chloroaniline

17H1675-14[WS-AOC8-SE-25], 17H1675-14RE1[WS-AOC8-SE-25], B185658-BLK1, B185658-BS1, B185658-BSD1

RL-03

Elevated reporting limit based on lowest point in calibration.
Requested reporting limit not met.

Analyte & Samples(s) Qualified:

Bis(2-Ethylhexyl)phthalate

17H1675-17[Equipment Blank-58]

Hexachlorobenzene

17H1675-17[Equipment Blank-58]

Pentachlorophenol

17H1675-17[Equipment Blank-58]

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:

Hexachlorocyclopentadiene

17H1675-17[Equipment Blank-58], B185658-BLK1, B185658-BS1, B185658-BSD1, B185689-BLK1, B185689-BS1, B185689-BSD1

V-16

Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.

Analyte & Samples(s) Qualified:

Pentachloronitrobenzene

17H1675-14[WS-AOC8-SE-25], 17H1675-17[Equipment Blank-58], B185658-BLK1, B185658-BS1, B185658-BSD1, B185689-BLK1, B185689-BS1, B185689-BSD1

SW-846 6010C/D SW-846 6020A/B

For NC, Metals methods SW-846 6010D and SW-846 6020B are followed, and for all other states methods SW-846 6010C and SW-846 6020A are followed.

SW-846 8260C

All water reporting limits specified on the chain-of-custody were met except for Acrylonitrile, where the most protective criteria are not met since the laboratory cannot achieve the required RCP calibration criteria at these levels, unless otherwise listed in this narrative.

SW-846 8270D

The LCS sample recoveries for required RCP 8270 compounds were all within control limits specified by the method, 40-140% for base/neutrals and 30-130% for acids except for "difficult analytes" listed below and/or otherwise listed in this narrative: Difficult analytes for water – limits between 10 and 150% depending on the compound (see QC summary for limits): Benzoic Acid, Dimethylphthalate, Bis(2-chloroisopropyl)ether, Hexachlorocyclopentadiene, Pyridine, 4-Nitrophenol, and Phenol.

The LCS sample recoveries for required RCP 8270 compounds were all within control limits specified by the method, 40-140% for base/neutrals and 30-130% for acids except for "difficult analytes" listed below and/or otherwise listed in this narrative: Difficult analytes for soil - limits between 10 and 180% depending on the compound (see QC summary for limits): 3,3'-Dichlorobenzidine, Pyridine, Aniline, 4-Chloroaniline, 3-Nitroaniline, and n-Nitrosodiphenylamine.

All reporting limits specified on the chain-of-custody were met, except for Pyridine for the most protective criteria since the laboratory cannot achieve the required RCP calibration criteria at these levels unless otherwise listed in this narrative.

All reporting limits specified on the chain-of-custody were met, except for Pyridine, 1,2,4,5-Tetrachlorobenzene and Pentachloronitrobenzene for the most protective criteria since the laboratory cannot achieve the required RCP calibration criteria at these levels unless otherwise listed in this narrative.

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: 17H1675

Date Received: 9/1/2017

Field Sample #: WS-AOC13-SO-33 Sampled: 8/31/2017 10:00

Sample ID: 17H1675-01

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	0.085	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 17:10	JMB
Aroclor-1221 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 17:10	JMB
Aroclor-1232 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 17:10	JMB
Aroclor-1242 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 17:10	JMB
Aroclor-1248 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 17:10	JMB
Aroclor-1254 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 17:10	JMB
Aroclor-1260 [2]	0.17	0.085	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 17:10	JMB
Aroclor-1262 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 17:10	JMB
Aroclor-1268 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 17:10	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	91.6	30-150		9/13/17 17:10
Decachlorobiphenyl [2]	94.9	30-150		9/13/17 17:10
Tetrachloro-m-xylene [1]	86.5	30-150		9/13/17 17:10
Tetrachloro-m-xylene [2]	89.6	30-150		9/13/17 17:10

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: 17H1675

Date Received: 9/1/2017

Field Sample #: WS-AOC13-SO-33 Sampled: 8/31/2017 10:00

Sample ID: 17H1675-01

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	91.4		% 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: 17H1675

Date Received: 9/1/2017

Field Sample #: WS-AOC13-SO-34 Sampled: 8/31/2017 10:10

Sample ID: 17H1675-02

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	0.084	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 17:27	JMB
Aroclor-1221 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 17:27	JMB
Aroclor-1232 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 17:27	JMB
Aroclor-1242 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 17:27	JMB
Aroclor-1248 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 17:27	JMB
Aroclor-1254 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 17:27	JMB
Aroclor-1260 [2]	0.24	0.084	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 17:27	JMB
Aroclor-1262 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 17:27	JMB
Aroclor-1268 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 17:27	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	84.6	30-150		9/13/17 17:27
Decachlorobiphenyl [2]	89.8	30-150		9/13/17 17:27
Tetrachloro-m-xylene [1]	81.9	30-150		9/13/17 17:27
Tetrachloro-m-xylene [2]	85.4	30-150		9/13/17 17:27

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: 17H1675

Date Received: 9/1/2017

Field Sample #: WS-AOC13-SO-34 Sampled: 8/31/2017 10:10

Sample ID: 17H1675-02

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	91.9		% 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: 17H1675

Date Received: 9/1/2017

Field Sample #: WS-AOC13-SO-35 Sampled: 8/31/2017 10:20

Sample ID: 17H1675-03

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	0.087	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 17:44	JMB
Aroclor-1221 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 17:44	JMB
Aroclor-1232 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 17:44	JMB
Aroclor-1242 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 17:44	JMB
Aroclor-1248 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 17:44	JMB
Aroclor-1254 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 17:44	JMB
Aroclor-1260 [2]	0.21	0.087	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 17:44	JMB
Aroclor-1262 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 17:44	JMB
Aroclor-1268 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 17:44	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	90.9	30-150		9/13/17 17:44
Decachlorobiphenyl [2]	94.1	30-150		9/13/17 17:44
Tetrachloro-m-xylene [1]	86.5	30-150		9/13/17 17:44
Tetrachloro-m-xylene [2]	88.4	30-150		9/13/17 17:44

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: 17H1675

Date Received: 9/1/2017

Field Sample #: WS-AOC13-SO-35 Sampled: 8/31/2017 10:20

Sample ID: 17H1675-03

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	89.7		% 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: 17H1675

Date Received: 9/1/2017

Field Sample #: WS-AOC13-SO-36 Sampled: 8/31/2017 10:30

Sample ID: 17H1675-04

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	9/8/17	9/13/17 18:02	JMB
Aroclor-1221 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 18:02	JMB
Aroclor-1232 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 18:02	JMB
Aroclor-1242 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 18:02	JMB
Aroclor-1248 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 18:02	JMB
Aroclor-1254 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 18:02	JMB
Aroclor-1260 [2]	0.61	0.086	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 18:02	JMB
Aroclor-1262 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 18:02	JMB
Aroclor-1268 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 18:02	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	88.7	30-150		9/13/17 18:02
Decachlorobiphenyl [2]	96.6	30-150		9/13/17 18:02
Tetrachloro-m-xylene [1]	87.8	30-150		9/13/17 18:02
Tetrachloro-m-xylene [2]	91.9	30-150		9/13/17 18:02

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: 17H1675

Date Received: 9/1/2017

Field Sample #: WS-AOC13-SO-36 Sampled: 8/31/2017 10:30

Sample ID: 17H1675-04

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	89.7		% 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: 17H1675

Date Received: 9/1/2017

Field Sample #: WS-AOC13-SO-37 Sampled: 8/31/2017 10:40

Sample ID: 17H1675-05

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	0.94	mg/Kg dry	40		SW-846 8082A	9/8/17	9/14/17 5:10	JMB
Aroclor-1221 [1]	ND	0.94	mg/Kg dry	40		SW-846 8082A	9/8/17	9/14/17 5:10	JMB
Aroclor-1232 [1]	ND	0.94	mg/Kg dry	40		SW-846 8082A	9/8/17	9/14/17 5:10	JMB
Aroclor-1242 [1]	ND	0.94	mg/Kg dry	40		SW-846 8082A	9/8/17	9/14/17 5:10	JMB
Aroclor-1248 [1]	ND	0.94	mg/Kg dry	40		SW-846 8082A	9/8/17	9/14/17 5:10	JMB
Aroclor-1254 [1]	ND	0.94	mg/Kg dry	40		SW-846 8082A	9/8/17	9/14/17 5:10	JMB
Aroclor-1260 [1]	6.2	0.94	mg/Kg dry	40		SW-846 8082A	9/8/17	9/14/17 5:10	JMB
Aroclor-1262 [1]	ND	0.94	mg/Kg dry	40		SW-846 8082A	9/8/17	9/14/17 5:10	JMB
Aroclor-1268 [1]	ND	0.94	mg/Kg dry	40		SW-846 8082A	9/8/17	9/14/17 5:10	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	*	30-150	S-01	9/14/17 5:10
Decachlorobiphenyl [2]	*	30-150	S-01	9/14/17 5:10
Tetrachloro-m-xylene [1]	*	30-150	S-01	9/14/17 5:10
Tetrachloro-m-xylene [2]	*	30-150	S-01	9/14/17 5:10

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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: 17H1675

Date Received: 9/1/2017

Field Sample #: WS-AOC13-SO-37 Sampled: 8/31/2017 10:40

Sample ID: 17H1675-05

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	83.7		% 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: 17H1675

Date Received: 9/1/2017

Field Sample #: WS-AOC13-SO-38 Sampled: 8/31/2017 10:50

Sample ID: 17H1675-06

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	0.086	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 18:36	JMB
Aroclor-1221 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 18:36	JMB
Aroclor-1232 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 18:36	JMB
Aroclor-1242 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 18:36	JMB
Aroclor-1248 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 18:36	JMB
Aroclor-1254 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 18:36	JMB
Aroclor-1260 [2]	0.32	0.086	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 18:36	JMB
Aroclor-1262 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 18:36	JMB
Aroclor-1268 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 18:36	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	77.0	30-150		9/13/17 18:36
Decachlorobiphenyl [2]	83.5	30-150		9/13/17 18:36
Tetrachloro-m-xylene [1]	83.8	30-150		9/13/17 18:36
Tetrachloro-m-xylene [2]	84.2	30-150		9/13/17 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: 17H1675

Date Received: 9/1/2017

Field Sample #: WS-AOC13-SO-38 Sampled: 8/31/2017 10:50

Sample ID: 17H1675-06

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	92.6		% 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: 17H1675

Date Received: 9/1/2017

Field Sample #: WS-AOC13-SO-39 Sampled: 8/31/2017 11:00

Sample ID: 17H1675-07

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	0.086	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 18:54	JMB
Aroclor-1221 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 18:54	JMB
Aroclor-1232 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 18:54	JMB
Aroclor-1242 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 18:54	JMB
Aroclor-1248 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 18:54	JMB
Aroclor-1254 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 18:54	JMB
Aroclor-1260 [1]	0.14	0.086	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 18:54	JMB
Aroclor-1262 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 18:54	JMB
Aroclor-1268 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 18:54	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	90.6	30-150		9/13/17 18:54
Decachlorobiphenyl [2]	98.1	30-150		9/13/17 18:54
Tetrachloro-m-xylene [1]	89.4	30-150		9/13/17 18:54
Tetrachloro-m-xylene [2]	92.5	30-150		9/13/17 18:54

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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: 17H1675

Date Received: 9/1/2017

Field Sample #: WS-AOC13-SO-39 Sampled: 8/31/2017 11:00

Sample ID: 17H1675-07

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	92.9		% 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: 17H1675

Date Received: 9/1/2017

Field Sample #: WS-AOC7-SO-17-0 Sampled: 8/31/2017 11:10

Sample ID: 17H1675-08

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	9/8/17	9/13/17 19:58	JMB
Aroclor-1221 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 19:58	JMB
Aroclor-1232 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 19:58	JMB
Aroclor-1242 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 19:58	JMB
Aroclor-1248 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 19:58	JMB
Aroclor-1254 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 19:58	JMB
Aroclor-1260 [2]	0.096	0.089	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 19:58	JMB
Aroclor-1262 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 19:58	JMB
Aroclor-1268 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 19:58	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	60.4	30-150		9/13/17 19:58
Decachlorobiphenyl [2]	64.1	30-150		9/13/17 19:58
Tetrachloro-m-xylene [1]	61.4	30-150		9/13/17 19:58
Tetrachloro-m-xylene [2]	63.0	30-150		9/13/17 19:58

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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: 17H1675

Date Received: 9/1/2017

Field Sample #: WS-AOC7-SO-17-0 Sampled: 8/31/2017 11:10

Sample ID: 17H1675-08

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	90.2		% 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: 17H1675

Date Received: 9/1/2017

Field Sample #: WS-AOC7-SO-18-0 Sampled: 8/31/2017 11:15

Sample ID: 17H1675-09

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	0.081	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 20:15	JMB
Aroclor-1221 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 20:15	JMB
Aroclor-1232 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 20:15	JMB
Aroclor-1242 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 20:15	JMB
Aroclor-1248 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 20:15	JMB
Aroclor-1254 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 20:15	JMB
Aroclor-1260 [1]	0.86	0.081	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 20:15	JMB
Aroclor-1262 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 20:15	JMB
Aroclor-1268 [1]	ND	0.081	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 20:15	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	66.7	30-150		9/13/17 20:15
Decachlorobiphenyl [2]	72.6	30-150		9/13/17 20:15
Tetrachloro-m-xylene [1]	64.7	30-150		9/13/17 20:15
Tetrachloro-m-xylene [2]	66.6	30-150		9/13/17 20:15

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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: 17H1675

Date Received: 9/1/2017

Field Sample #: WS-AOC7-SO-18-0 Sampled: 8/31/2017 11:15

Sample ID: 17H1675-09

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	96.4		% 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: 17H1675

Date Received: 9/1/2017

Field Sample #: WS-AOC7-SO-19-0 Sampled: 8/31/2017 11:20

Sample ID: 17H1675-10

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	0.082	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 20:32	JMB
Aroclor-1221 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 20:32	JMB
Aroclor-1232 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 20:32	JMB
Aroclor-1242 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 20:32	JMB
Aroclor-1248 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 20:32	JMB
Aroclor-1254 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 20:32	JMB
Aroclor-1260 [2]	ND	0.082	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 20:32	JMB
Aroclor-1262 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 20:32	JMB
Aroclor-1268 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 20:32	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	61.0	30-150		9/13/17 20:32
Decachlorobiphenyl [2]	66.5	30-150		9/13/17 20:32
Tetrachloro-m-xylene [1]	61.1	30-150		9/13/17 20:32
Tetrachloro-m-xylene [2]	64.4	30-150		9/13/17 20:32

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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: 17H1675

Date Received: 9/1/2017

Field Sample #: WS-AOC7-SO-19-0 Sampled: 8/31/2017 11:20

Sample ID: 17H1675-10

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	93.9		% 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: 17H1675

Date Received: 9/1/2017

Field Sample #: WS-AOC7-SO-20-0 Sampled: 8/31/2017 11:30

Sample ID: 17H1675-11

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	0.086	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 20:49	JMB
Aroclor-1221 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 20:49	JMB
Aroclor-1232 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 20:49	JMB
Aroclor-1242 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 20:49	JMB
Aroclor-1248 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 20:49	JMB
Aroclor-1254 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 20:49	JMB
Aroclor-1260 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 20:49	JMB
Aroclor-1262 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 20:49	JMB
Aroclor-1268 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 20:49	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	53.4	30-150		9/13/17 20:49
Decachlorobiphenyl [2]	58.3	30-150		9/13/17 20:49
Tetrachloro-m-xylene [1]	56.8	30-150		9/13/17 20:49
Tetrachloro-m-xylene [2]	58.9	30-150		9/13/17 20:49

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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: 17H1675

Date Received: 9/1/2017

Field Sample #: WS-AOC7-SO-20-0 Sampled: 8/31/2017 11:30

Sample ID: 17H1675-11

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	92.0		% 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: 17H1675

Date Received: 9/1/2017

Field Sample #: WS-AOC8-SO-3-0 Sampled: 8/31/2017 11:40

Sample ID: 17H1675-12

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	0.10	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 21:07	JMB
Aroclor-1221 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 21:07	JMB
Aroclor-1232 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 21:07	JMB
Aroclor-1242 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 21:07	JMB
Aroclor-1248 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 21:07	JMB
Aroclor-1254 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 21:07	JMB
Aroclor-1260 [2]	0.31	0.10	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 21:07	JMB
Aroclor-1262 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 21:07	JMB
Aroclor-1268 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 21:07	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	42.7	30-150		9/13/17 21:07
Decachlorobiphenyl [2]	56.5	30-150		9/13/17 21:07
Tetrachloro-m-xylene [1]	44.1	30-150		9/13/17 21:07
Tetrachloro-m-xylene [2]	45.2	30-150		9/13/17 21:07

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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: 17H1675

Date Received: 9/1/2017

Field Sample #: WS-AOC8-SO-3-0 Sampled: 8/31/2017 11:40

Sample ID: 17H1675-12

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	80.0		% 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: 17H1675

Date Received: 9/1/2017

Field Sample #: WS-AOC9-SO-45-0 Sampled: 8/31/2017 12:00

Sample ID: 17H1675-13

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	0.091	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 21:24	JMB
Aroclor-1221 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 21:24	JMB
Aroclor-1232 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 21:24	JMB
Aroclor-1242 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 21:24	JMB
Aroclor-1248 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 21:24	JMB
Aroclor-1254 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 21:24	JMB
Aroclor-1260 [1]	0.27	0.091	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 21:24	JMB
Aroclor-1262 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 21:24	JMB
Aroclor-1268 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	9/8/17	9/13/17 21:24	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	63.2	30-150		9/13/17 21:24
Decachlorobiphenyl [2]	69.9	30-150		9/13/17 21:24
Tetrachloro-m-xylene [1]	64.3	30-150		9/13/17 21:24
Tetrachloro-m-xylene [2]	66.1	30-150		9/13/17 21:24

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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: 17H1675

Date Received: 9/1/2017

Field Sample #: WS-AOC9-SO-45-0 Sampled: 8/31/2017 12:00

Sample ID: 17H1675-13

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	86.7		% Wt	1		SM 2540G	9/6/17	9/7/17 7:42	MRL

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1675

Date Received: 9/1/2017

Field Sample #: WS-AOC8-SE-25 Sampled: 8/31/2017 12:30

Sample ID: 17H1675-14

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.11	mg/Kg dry	1		SW-846 8260C	9/5/17	9/5/17 14:37	MFF
Acrylonitrile	ND	0.0066	mg/Kg dry	1		SW-846 8260C	9/5/17	9/5/17 14:37	MFF
Benzene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	9/5/17	9/5/17 14:37	MFF
Bromobenzene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	9/5/17	9/5/17 14:37	MFF
Bromodichloromethane	ND	0.0022	mg/Kg dry	1		SW-846 8260C	9/5/17	9/5/17 14:37	MFF
Bromoform	ND	0.0022	mg/Kg dry	1		SW-846 8260C	9/5/17	9/5/17 14:37	MFF
Bromomethane	ND	0.011	mg/Kg dry	1		SW-846 8260C	9/5/17	9/5/17 14:37	MFF
2-Butanone (MEK)	ND	0.044	mg/Kg dry	1		SW-846 8260C	9/5/17	9/5/17 14:37	MFF
n-Butylbenzene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	9/5/17	9/5/17 14:37	MFF
sec-Butylbenzene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	9/5/17	9/5/17 14:37	MFF
tert-Butylbenzene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	9/5/17	9/5/17 14:37	MFF
Carbon Disulfide	ND	0.0066	mg/Kg dry	1		SW-846 8260C	9/5/17	9/5/17 14:37	MFF
Carbon Tetrachloride	ND	0.0022	mg/Kg dry	1		SW-846 8260C	9/5/17	9/5/17 14:37	MFF
Chlorobenzene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	9/5/17	9/5/17 14:37	MFF
Chlorodibromomethane	ND	0.0011	mg/Kg dry	1		SW-846 8260C	9/5/17	9/5/17 14:37	MFF
Chloroethane	ND	0.022	mg/Kg dry	1		SW-846 8260C	9/5/17	9/5/17 14:37	MFF
Chloroform	ND	0.0044	mg/Kg dry	1		SW-846 8260C	9/5/17	9/5/17 14:37	MFF
Chloromethane	ND	0.011	mg/Kg dry	1		SW-846 8260C	9/5/17	9/5/17 14:37	MFF
2-Chlorotoluene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	9/5/17	9/5/17 14:37	MFF
4-Chlorotoluene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	9/5/17	9/5/17 14:37	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0022	mg/Kg dry	1		SW-846 8260C	9/5/17	9/5/17 14:37	MFF
1,2-Dibromoethane (EDB)	ND	0.0011	mg/Kg dry	1		SW-846 8260C	9/5/17	9/5/17 14:37	MFF
Dibromomethane	ND	0.0022	mg/Kg dry	1		SW-846 8260C	9/5/17	9/5/17 14:37	MFF
1,2-Dichlorobenzene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	9/5/17	9/5/17 14:37	MFF
1,3-Dichlorobenzene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	9/5/17	9/5/17 14:37	MFF
1,4-Dichlorobenzene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	9/5/17	9/5/17 14:37	MFF
trans-1,4-Dichloro-2-butene	ND	0.0044	mg/Kg dry	1		SW-846 8260C	9/5/17	9/5/17 14:37	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.022	mg/Kg dry	1		SW-846 8260C	9/5/17	9/5/17 14:37	MFF
1,1-Dichloroethane	ND	0.0022	mg/Kg dry	1		SW-846 8260C	9/5/17	9/5/17 14:37	MFF
1,2-Dichloroethane	ND	0.0022	mg/Kg dry	1		SW-846 8260C	9/5/17	9/5/17 14:37	MFF
1,1-Dichloroethylene	ND	0.0044	mg/Kg dry	1		SW-846 8260C	9/5/17	9/5/17 14:37	MFF
cis-1,2-Dichloroethylene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	9/5/17	9/5/17 14:37	MFF
trans-1,2-Dichloroethylene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	9/5/17	9/5/17 14:37	MFF
1,2-Dichloropropane	ND	0.0022	mg/Kg dry	1		SW-846 8260C	9/5/17	9/5/17 14:37	MFF
1,3-Dichloropropane	ND	0.0011	mg/Kg dry	1		SW-846 8260C	9/5/17	9/5/17 14:37	MFF
2,2-Dichloropropane	ND	0.0022	mg/Kg dry	1		SW-846 8260C	9/5/17	9/5/17 14:37	MFF
1,1-Dichloropropene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	9/5/17	9/5/17 14:37	MFF
cis-1,3-Dichloropropene	ND	0.0011	mg/Kg dry	1		SW-846 8260C	9/5/17	9/5/17 14:37	MFF
trans-1,3-Dichloropropene	ND	0.0011	mg/Kg dry	1		SW-846 8260C	9/5/17	9/5/17 14:37	MFF
Ethylbenzene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	9/5/17	9/5/17 14:37	MFF
Hexachlorobutadiene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	9/5/17	9/5/17 14:37	MFF
2-Hexanone (MBK)	ND	0.022	mg/Kg dry	1		SW-846 8260C	9/5/17	9/5/17 14:37	MFF
Isopropylbenzene (Cumene)	ND	0.0022	mg/Kg dry	1		SW-846 8260C	9/5/17	9/5/17 14:37	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0022	mg/Kg dry	1		SW-846 8260C	9/5/17	9/5/17 14:37	MFF

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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: 17H1675

Date Received: 9/1/2017

Field Sample #: WS-AOC8-SE-25 Sampled: 8/31/2017 12:30

Sample ID: 17H1675-14

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Methyl tert-Butyl Ether (MTBE)	ND	0.0044	mg/Kg dry	1		SW-846 8260C	9/5/17	9/5/17 14:37	MFF
Methylene Chloride	ND	0.022	mg/Kg dry	1		SW-846 8260C	9/5/17	9/5/17 14:37	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.022	mg/Kg dry	1		SW-846 8260C	9/5/17	9/5/17 14:37	MFF
Naphthalene	ND	0.0044	mg/Kg dry	1		SW-846 8260C	9/5/17	9/5/17 14:37	MFF
n-Propylbenzene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	9/5/17	9/5/17 14:37	MFF
Styrene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	9/5/17	9/5/17 14:37	MFF
1,1,1,2-Tetrachloroethane	ND	0.0022	mg/Kg dry	1		SW-846 8260C	9/5/17	9/5/17 14:37	MFF
1,1,2,2-Tetrachloroethane	ND	0.0044	mg/Kg dry	1		SW-846 8260C	9/5/17	9/5/17 14:37	MFF
Tetrachloroethylene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	9/5/17	9/5/17 14:37	MFF
Tetrahydrofuran	ND	0.011	mg/Kg dry	1	V-16	SW-846 8260C	9/5/17	9/5/17 14:37	MFF
Toluene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	9/5/17	9/5/17 14:37	MFF
1,2,3-Trichlorobenzene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	9/5/17	9/5/17 14:37	MFF
1,2,4-Trichlorobenzene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	9/5/17	9/5/17 14:37	MFF
1,1,1-Trichloroethane	ND	0.0022	mg/Kg dry	1		SW-846 8260C	9/5/17	9/5/17 14:37	MFF
1,1,2-Trichloroethane	ND	0.0022	mg/Kg dry	1		SW-846 8260C	9/5/17	9/5/17 14:37	MFF
Trichloroethylene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	9/5/17	9/5/17 14:37	MFF
Trichlorofluoromethane (Freon 11)	ND	0.011	mg/Kg dry	1		SW-846 8260C	9/5/17	9/5/17 14:37	MFF
1,2,3-Trichloropropane	ND	0.0022	mg/Kg dry	1		SW-846 8260C	9/5/17	9/5/17 14:37	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.011	mg/Kg dry	1		SW-846 8260C	9/5/17	9/5/17 14:37	MFF
1,2,4-Trimethylbenzene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	9/5/17	9/5/17 14:37	MFF
1,3,5-Trimethylbenzene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	9/5/17	9/5/17 14:37	MFF
Vinyl Chloride	ND	0.011	mg/Kg dry	1		SW-846 8260C	9/5/17	9/5/17 14:37	MFF
m+p Xylene	ND	0.0044	mg/Kg dry	1		SW-846 8260C	9/5/17	9/5/17 14:37	MFF
o-Xylene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	9/5/17	9/5/17 14:37	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	104	70-130		9/5/17 14:37
Toluene-d8	104	70-130		9/5/17 14:37
4-Bromofluorobenzene	99.8	70-130		9/5/17 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: 17H1675

Date Received: 9/1/2017

Field Sample #: WS-AOC8-SE-25 Sampled: 8/31/2017 12:30

Sample ID: 17H1675-14

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	9/6/17	9/8/17 16:13	BGL
Acenaphthene	ND	0.45	mg/Kg dry	2		SW-846 8270D	9/6/17	9/11/17 16:08	BGL
Acenaphthylene	ND	0.22	mg/Kg dry	1		SW-846 8270D	9/6/17	9/8/17 16:13	BGL
Acenaphthylene	ND	0.45	mg/Kg dry	2		SW-846 8270D	9/6/17	9/11/17 16:08	BGL
Aniline	ND	0.45	mg/Kg dry	1		SW-846 8270D	9/6/17	9/8/17 16:13	BGL
Aniline	ND	0.89	mg/Kg dry	2		SW-846 8270D	9/6/17	9/11/17 16:08	BGL
Anthracene	0.49	0.22	mg/Kg dry	1		SW-846 8270D	9/6/17	9/8/17 16:13	BGL
Anthracene	ND	0.45	mg/Kg dry	2		SW-846 8270D	9/6/17	9/11/17 16:08	BGL
Benzo(a)anthracene	2.4	0.22	mg/Kg dry	1		SW-846 8270D	9/6/17	9/8/17 16:13	BGL
Benzo(a)anthracene	2.1	0.45	mg/Kg dry	2		SW-846 8270D	9/6/17	9/11/17 16:08	BGL
Benzo(a)pyrene	1.9	0.22	mg/Kg dry	1		SW-846 8270D	9/6/17	9/8/17 16:13	BGL
Benzo(a)pyrene	1.8	0.45	mg/Kg dry	2		SW-846 8270D	9/6/17	9/11/17 16:08	BGL
Benzo(b)fluoranthene	2.9	0.22	mg/Kg dry	1		SW-846 8270D	9/6/17	9/8/17 16:13	BGL
Benzo(b)fluoranthene	2.9	0.45	mg/Kg dry	2		SW-846 8270D	9/6/17	9/11/17 16:08	BGL
Benzo(g,h,i)perylene	1.4	0.22	mg/Kg dry	1		SW-846 8270D	9/6/17	9/8/17 16:13	BGL
Benzo(g,h,i)perylene	1.2	0.45	mg/Kg dry	2		SW-846 8270D	9/6/17	9/11/17 16:08	BGL
Benzo(k)fluoranthene	1.0	0.22	mg/Kg dry	1		SW-846 8270D	9/6/17	9/8/17 16:13	BGL
Benzo(k)fluoranthene	1.2	0.45	mg/Kg dry	2		SW-846 8270D	9/6/17	9/11/17 16:08	BGL
Bis(2-chloroethoxy)methane	ND	0.45	mg/Kg dry	1		SW-846 8270D	9/6/17	9/8/17 16:13	BGL
Bis(2-chloroethoxy)methane	ND	0.89	mg/Kg dry	2		SW-846 8270D	9/6/17	9/11/17 16:08	BGL
Bis(2-chloroethyl)ether	ND	0.45	mg/Kg dry	1		SW-846 8270D	9/6/17	9/8/17 16:13	BGL
Bis(2-chloroethyl)ether	ND	0.89	mg/Kg dry	2		SW-846 8270D	9/6/17	9/11/17 16:08	BGL
Bis(2-chloroisopropyl)ether	ND	0.45	mg/Kg dry	1		SW-846 8270D	9/6/17	9/8/17 16:13	BGL
Bis(2-chloroisopropyl)ether	ND	0.89	mg/Kg dry	2		SW-846 8270D	9/6/17	9/11/17 16:08	BGL
Bis(2-Ethylhexyl)phthalate	ND	0.45	mg/Kg dry	1		SW-846 8270D	9/6/17	9/8/17 16:13	BGL
Bis(2-Ethylhexyl)phthalate	ND	0.89	mg/Kg dry	2		SW-846 8270D	9/6/17	9/11/17 16:08	BGL
4-Bromophenylphenylether	ND	0.45	mg/Kg dry	1		SW-846 8270D	9/6/17	9/8/17 16:13	BGL
4-Bromophenylphenylether	ND	0.89	mg/Kg dry	2		SW-846 8270D	9/6/17	9/11/17 16:08	BGL
Butylbenzylphthalate	ND	0.45	mg/Kg dry	1		SW-846 8270D	9/6/17	9/8/17 16:13	BGL
Butylbenzylphthalate	ND	0.89	mg/Kg dry	2		SW-846 8270D	9/6/17	9/11/17 16:08	BGL
Carbazole	0.53	0.22	mg/Kg dry	1		SW-846 8270D	9/6/17	9/8/17 16:13	BGL
Carbazole	0.49	0.45	mg/Kg dry	2		SW-846 8270D	9/6/17	9/11/17 16:08	BGL
4-Chloroaniline	ND	0.87	mg/Kg dry	1	L-04	SW-846 8270D	9/6/17	9/8/17 16:13	BGL
4-Chloroaniline	ND	1.7	mg/Kg dry	2	L-04	SW-846 8270D	9/6/17	9/11/17 16:08	BGL
4-Chloro-3-methylphenol	ND	0.87	mg/Kg dry	1		SW-846 8270D	9/6/17	9/8/17 16:13	BGL
4-Chloro-3-methylphenol	ND	1.7	mg/Kg dry	2		SW-846 8270D	9/6/17	9/11/17 16:08	BGL
2-Chloronaphthalene	ND	0.45	mg/Kg dry	1		SW-846 8270D	9/6/17	9/8/17 16:13	BGL
2-Chloronaphthalene	ND	0.89	mg/Kg dry	2		SW-846 8270D	9/6/17	9/11/17 16:08	BGL
2-Chlorophenol	ND	0.45	mg/Kg dry	1		SW-846 8270D	9/6/17	9/8/17 16:13	BGL
2-Chlorophenol	ND	0.89	mg/Kg dry	2		SW-846 8270D	9/6/17	9/11/17 16:08	BGL
4-Chlorophenylphenylether	ND	0.45	mg/Kg dry	1		SW-846 8270D	9/6/17	9/8/17 16:13	BGL
4-Chlorophenylphenylether	ND	0.89	mg/Kg dry	2		SW-846 8270D	9/6/17	9/11/17 16:08	BGL
Chrysene	2.9	0.22	mg/Kg dry	1		SW-846 8270D	9/6/17	9/8/17 16:13	BGL
Chrysene	2.6	0.45	mg/Kg dry	2		SW-846 8270D	9/6/17	9/11/17 16:08	BGL

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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: 17H1675

Date Received: 9/1/2017

Field Sample #: WS-AOC8-SE-25 Sampled: 8/31/2017 12:30

Sample ID: 17H1675-14

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Dibenz(a,h)anthracene	0.38	0.22	mg/Kg dry	1		SW-846 8270D	9/6/17	9/8/17 16:13	BGL
Dibenz(a,h)anthracene	ND	0.45	mg/Kg dry	2		SW-846 8270D	9/6/17	9/11/17 16:08	BGL
Dibenzofuran	ND	0.45	mg/Kg dry	1		SW-846 8270D	9/6/17	9/8/17 16:13	BGL
Dibenzofuran	ND	0.89	mg/Kg dry	2		SW-846 8270D	9/6/17	9/11/17 16:08	BGL
Di-n-butylphthalate	ND	0.45	mg/Kg dry	1		SW-846 8270D	9/6/17	9/8/17 16:13	BGL
Di-n-butylphthalate	ND	0.89	mg/Kg dry	2		SW-846 8270D	9/6/17	9/11/17 16:08	BGL
3,3-Dichlorobenzidine	ND	0.22	mg/Kg dry	1		SW-846 8270D	9/6/17	9/8/17 16:13	BGL
3,3-Dichlorobenzidine	ND	0.45	mg/Kg dry	2		SW-846 8270D	9/6/17	9/11/17 16:08	BGL
2,4-Dichlorophenol	ND	0.45	mg/Kg dry	1		SW-846 8270D	9/6/17	9/8/17 16:13	BGL
2,4-Dichlorophenol	ND	0.89	mg/Kg dry	2		SW-846 8270D	9/6/17	9/11/17 16:08	BGL
Diethylphthalate	ND	0.45	mg/Kg dry	1		SW-846 8270D	9/6/17	9/8/17 16:13	BGL
Diethylphthalate	ND	0.89	mg/Kg dry	2		SW-846 8270D	9/6/17	9/11/17 16:08	BGL
2,4-Dimethylphenol	ND	0.45	mg/Kg dry	1		SW-846 8270D	9/6/17	9/8/17 16:13	BGL
2,4-Dimethylphenol	ND	0.89	mg/Kg dry	2		SW-846 8270D	9/6/17	9/11/17 16:08	BGL
Dimethylphthalate	ND	0.45	mg/Kg dry	1		SW-846 8270D	9/6/17	9/8/17 16:13	BGL
Dimethylphthalate	ND	0.89	mg/Kg dry	2		SW-846 8270D	9/6/17	9/11/17 16:08	BGL
4,6-Dinitro-2-methylphenol	ND	0.45	mg/Kg dry	1		SW-846 8270D	9/6/17	9/8/17 16:13	BGL
4,6-Dinitro-2-methylphenol	ND	0.89	mg/Kg dry	2		SW-846 8270D	9/6/17	9/11/17 16:08	BGL
2,4-Dinitrophenol	ND	0.87	mg/Kg dry	1		SW-846 8270D	9/6/17	9/8/17 16:13	BGL
2,4-Dinitrophenol	ND	1.7	mg/Kg dry	2		SW-846 8270D	9/6/17	9/11/17 16:08	BGL
2,4-Dinitrotoluene	ND	0.45	mg/Kg dry	1		SW-846 8270D	9/6/17	9/8/17 16:13	BGL
2,4-Dinitrotoluene	ND	0.89	mg/Kg dry	2		SW-846 8270D	9/6/17	9/11/17 16:08	BGL
2,6-Dinitrotoluene	ND	0.45	mg/Kg dry	1		SW-846 8270D	9/6/17	9/8/17 16:13	BGL
2,6-Dinitrotoluene	ND	0.89	mg/Kg dry	2		SW-846 8270D	9/6/17	9/11/17 16:08	BGL
Di-n-octylphthalate	ND	0.45	mg/Kg dry	1		SW-846 8270D	9/6/17	9/8/17 16:13	BGL
Di-n-octylphthalate	ND	0.89	mg/Kg dry	2		SW-846 8270D	9/6/17	9/11/17 16:08	BGL
Fluoranthene	7.5	0.22	mg/Kg dry	1	E	SW-846 8270D	9/6/17	9/8/17 16:13	BGL
Fluoranthene	6.3	0.45	mg/Kg dry	2		SW-846 8270D	9/6/17	9/11/17 16:08	BGL
Fluorene	ND	0.22	mg/Kg dry	1		SW-846 8270D	9/6/17	9/8/17 16:13	BGL
Fluorene	ND	0.45	mg/Kg dry	2		SW-846 8270D	9/6/17	9/11/17 16:08	BGL
Hexachlorobenzene	ND	0.45	mg/Kg dry	1		SW-846 8270D	9/6/17	9/8/17 16:13	BGL
Hexachlorobenzene	ND	0.89	mg/Kg dry	2		SW-846 8270D	9/6/17	9/11/17 16:08	BGL
Hexachlorobutadiene	ND	0.45	mg/Kg dry	1		SW-846 8270D	9/6/17	9/8/17 16:13	BGL
Hexachlorobutadiene	ND	0.89	mg/Kg dry	2		SW-846 8270D	9/6/17	9/11/17 16:08	BGL
Hexachlorocyclopentadiene	ND	0.45	mg/Kg dry	1		SW-846 8270D	9/6/17	9/8/17 16:13	BGL
Hexachlorocyclopentadiene	ND	0.89	mg/Kg dry	2		SW-846 8270D	9/6/17	9/11/17 16:08	BGL
Hexachloroethane	ND	0.45	mg/Kg dry	1		SW-846 8270D	9/6/17	9/8/17 16:13	BGL
Hexachloroethane	ND	0.89	mg/Kg dry	2		SW-846 8270D	9/6/17	9/11/17 16:08	BGL
Indeno(1,2,3-cd)pyrene	1.5	0.22	mg/Kg dry	1		SW-846 8270D	9/6/17	9/8/17 16:13	BGL
Indeno(1,2,3-cd)pyrene	1.3	0.45	mg/Kg dry	2		SW-846 8270D	9/6/17	9/11/17 16:08	BGL
Isophorone	ND	0.45	mg/Kg dry	1		SW-846 8270D	9/6/17	9/8/17 16:13	BGL
Isophorone	ND	0.89	mg/Kg dry	2		SW-846 8270D	9/6/17	9/11/17 16:08	BGL
2-Methylnaphthalene	ND	0.22	mg/Kg dry	1		SW-846 8270D	9/6/17	9/8/17 16:13	BGL
2-Methylnaphthalene	ND	0.45	mg/Kg dry	2		SW-846 8270D	9/6/17	9/11/17 16:08	BGL

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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: 17H1675

Date Received: 9/1/2017

Field Sample #: WS-AOC8-SE-25 Sampled: 8/31/2017 12:30

Sample ID: 17H1675-14

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Methylphenol	ND	0.45	mg/Kg dry	1		SW-846 8270D	9/6/17	9/8/17 16:13	BGL
2-Methylphenol	ND	0.89	mg/Kg dry	2		SW-846 8270D	9/6/17	9/11/17 16:08	BGL
3/4-Methylphenol	ND	0.45	mg/Kg dry	1		SW-846 8270D	9/6/17	9/8/17 16:13	BGL
3/4-Methylphenol	ND	0.89	mg/Kg dry	2		SW-846 8270D	9/6/17	9/11/17 16:08	BGL
Naphthalene	0.23	0.22	mg/Kg dry	1		SW-846 8270D	9/6/17	9/8/17 16:13	BGL
Naphthalene	ND	0.45	mg/Kg dry	2		SW-846 8270D	9/6/17	9/11/17 16:08	BGL
2-Nitroaniline	ND	0.45	mg/Kg dry	1		SW-846 8270D	9/6/17	9/8/17 16:13	BGL
2-Nitroaniline	ND	0.89	mg/Kg dry	2		SW-846 8270D	9/6/17	9/11/17 16:08	BGL
3-Nitroaniline	ND	0.45	mg/Kg dry	1		SW-846 8270D	9/6/17	9/8/17 16:13	BGL
3-Nitroaniline	ND	0.89	mg/Kg dry	2		SW-846 8270D	9/6/17	9/11/17 16:08	BGL
4-Nitroaniline	ND	0.45	mg/Kg dry	1		SW-846 8270D	9/6/17	9/8/17 16:13	BGL
4-Nitroaniline	ND	0.89	mg/Kg dry	2		SW-846 8270D	9/6/17	9/11/17 16:08	BGL
Nitrobenzene	ND	0.45	mg/Kg dry	1		SW-846 8270D	9/6/17	9/8/17 16:13	BGL
Nitrobenzene	ND	0.89	mg/Kg dry	2		SW-846 8270D	9/6/17	9/11/17 16:08	BGL
2-Nitrophenol	ND	0.45	mg/Kg dry	1		SW-846 8270D	9/6/17	9/8/17 16:13	BGL
2-Nitrophenol	ND	0.89	mg/Kg dry	2		SW-846 8270D	9/6/17	9/11/17 16:08	BGL
4-Nitrophenol	ND	0.87	mg/Kg dry	1		SW-846 8270D	9/6/17	9/8/17 16:13	BGL
4-Nitrophenol	ND	1.7	mg/Kg dry	2		SW-846 8270D	9/6/17	9/11/17 16:08	BGL
N-Nitrosodiphenylamine	ND	0.45	mg/Kg dry	1		SW-846 8270D	9/6/17	9/8/17 16:13	BGL
N-Nitrosodiphenylamine	ND	0.89	mg/Kg dry	2		SW-846 8270D	9/6/17	9/11/17 16:08	BGL
N-Nitrosodi-n-propylamine	ND	0.45	mg/Kg dry	1		SW-846 8270D	9/6/17	9/8/17 16:13	BGL
N-Nitrosodi-n-propylamine	ND	0.89	mg/Kg dry	2		SW-846 8270D	9/6/17	9/11/17 16:08	BGL
Pentachloronitrobenzene	ND	0.45	mg/Kg dry	1	V-16	SW-846 8270D	9/6/17	9/8/17 16:13	BGL
Pentachloronitrobenzene	ND	0.89	mg/Kg dry	2		SW-846 8270D	9/6/17	9/11/17 16:08	BGL
Pentachlorophenol	ND	0.45	mg/Kg dry	1		SW-846 8270D	9/6/17	9/8/17 16:13	BGL
Pentachlorophenol	ND	0.89	mg/Kg dry	2		SW-846 8270D	9/6/17	9/11/17 16:08	BGL
Phenanthrene	4.1	0.22	mg/Kg dry	1		SW-846 8270D	9/6/17	9/8/17 16:13	BGL
Phenanthrene	3.6	0.45	mg/Kg dry	2		SW-846 8270D	9/6/17	9/11/17 16:08	BGL
Phenol	ND	0.45	mg/Kg dry	1		SW-846 8270D	9/6/17	9/8/17 16:13	BGL
Phenol	ND	0.89	mg/Kg dry	2		SW-846 8270D	9/6/17	9/11/17 16:08	BGL
Pyrene	6.9	0.22	mg/Kg dry	1	E	SW-846 8270D	9/6/17	9/8/17 16:13	BGL
Pyrene	5.1	0.45	mg/Kg dry	2		SW-846 8270D	9/6/17	9/11/17 16:08	BGL
Pyridine	ND	0.45	mg/Kg dry	1		SW-846 8270D	9/6/17	9/8/17 16:13	BGL
Pyridine	ND	0.89	mg/Kg dry	2		SW-846 8270D	9/6/17	9/11/17 16:08	BGL
1,2,4,5-Tetrachlorobenzene	ND	0.45	mg/Kg dry	1		SW-846 8270D	9/6/17	9/8/17 16:13	BGL
1,2,4,5-Tetrachlorobenzene	ND	0.89	mg/Kg dry	2		SW-846 8270D	9/6/17	9/11/17 16:08	BGL
1,2,4-Trichlorobenzene	ND	0.45	mg/Kg dry	1		SW-846 8270D	9/6/17	9/8/17 16:13	BGL
1,2,4-Trichlorobenzene	ND	0.89	mg/Kg dry	2		SW-846 8270D	9/6/17	9/11/17 16:08	BGL
2,4,5-Trichlorophenol	ND	0.45	mg/Kg dry	1		SW-846 8270D	9/6/17	9/8/17 16:13	BGL
2,4,5-Trichlorophenol	ND	0.89	mg/Kg dry	2		SW-846 8270D	9/6/17	9/11/17 16:08	BGL
2,4,6-Trichlorophenol	ND	0.45	mg/Kg dry	1		SW-846 8270D	9/6/17	9/8/17 16:13	BGL
2,4,6-Trichlorophenol	ND	0.89	mg/Kg dry	2		SW-846 8270D	9/6/17	9/11/17 16:08	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	46.8	30-130		9/8/17 16:13

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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: 17H1675

Date Received: 9/1/2017

Field Sample #: WS-AOC8-SE-25 Sampled: 8/31/2017 12:30

Sample ID: 17H1675-14

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Surrogates		**% Recovery**	**Recovery Limits**		**Flag/Qual**				
2-Fluorophenol		39.8	30-130					9/11/17 16:08	
Phenol-d6		47.3	30-130					9/8/17 16:13	
Phenol-d6		41.7	30-130					9/11/17 16:08	
Nitrobenzene-d5		50.2	30-130					9/8/17 16:13	
Nitrobenzene-d5		46.1	30-130					9/11/17 16:08	
2-Fluorobiphenyl		50.5	30-130					9/8/17 16:13	
2-Fluorobiphenyl		48.4	30-130					9/11/17 16:08	
2,4,6-Tribromophenol		49.2	30-130					9/8/17 16:13	
2,4,6-Tribromophenol		44.8	30-130					9/11/17 16:08	
p-Terphenyl-d14		63.4	30-130					9/8/17 16:13	
p-Terphenyl-d14		49.9	30-130					9/11/17 16:08	

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1675

Date Received: 9/1/2017

Field Sample #: WS-AOC8-SE-25 Sampled: 8/31/2017 12:30

Sample ID: 17H1675-14

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	0.52	mg/Kg dry	20		SW-846 8082A	9/8/17	9/14/17 5:27	JMB
Aroclor-1221 [1]	ND	0.52	mg/Kg dry	20		SW-846 8082A	9/8/17	9/14/17 5:27	JMB
Aroclor-1232 [1]	ND	0.52	mg/Kg dry	20		SW-846 8082A	9/8/17	9/14/17 5:27	JMB
Aroclor-1242 [1]	ND	0.52	mg/Kg dry	20		SW-846 8082A	9/8/17	9/14/17 5:27	JMB
Aroclor-1248 [1]	ND	0.52	mg/Kg dry	20		SW-846 8082A	9/8/17	9/14/17 5:27	JMB
Aroclor-1254 [1]	ND	0.52	mg/Kg dry	20		SW-846 8082A	9/8/17	9/14/17 5:27	JMB
Aroclor-1260 [1]	2.4	0.52	mg/Kg dry	20		SW-846 8082A	9/8/17	9/14/17 5:27	JMB
Aroclor-1262 [1]	ND	0.52	mg/Kg dry	20		SW-846 8082A	9/8/17	9/14/17 5:27	JMB
Aroclor-1268 [1]	ND	0.52	mg/Kg dry	20		SW-846 8082A	9/8/17	9/14/17 5:27	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	72.6	30-150		9/14/17 5:27
Decachlorobiphenyl [2]	78.4	30-150		9/14/17 5:27
Tetrachloro-m-xylene [1]	64.7	30-150		9/14/17 5:27
Tetrachloro-m-xylene [2]	65.6	30-150		9/14/17 5:27

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1675

Date Received: 9/1/2017

Field Sample #: WS-AOC8-SE-25 Sampled: 8/31/2017 12:30

Sample ID: 17H1675-14

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	600	66	mg/Kg dry	5		CTDEP ETPH	9/12/17	9/13/17 11:53	SCS

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
o-Terphenyl	69.8	50-150		9/13/17 11:53

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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: 17H1675

Date Received: 9/1/2017

Field Sample #: WS-AOC8-SE-25 Sampled: 8/31/2017 12:30

Sample ID: 17H1675-14

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	30	3.3	mg/Kg dry	1		SW-846 6010C-D	9/6/17	9/8/17 12:15	QNW
Arsenic	39	3.3	mg/Kg dry	1		SW-846 6010C-D	9/6/17	9/8/17 12:15	QNW
Barium	430	3.3	mg/Kg dry	1		SW-846 6010C-D	9/6/17	9/8/17 12:15	QNW
Beryllium	ND	0.33	mg/Kg dry	1		SW-846 6010C-D	9/6/17	9/8/17 12:15	QNW
Cadmium	3.9	0.33	mg/Kg dry	1		SW-846 6010C-D	9/6/17	9/8/17 12:15	QNW
Chromium	100	0.65	mg/Kg dry	1		SW-846 6010C-D	9/6/17	9/8/17 12:15	QNW
Copper	310	0.65	mg/Kg dry	1		SW-846 6010C-D	9/6/17	9/8/17 12:15	QNW
Lead	1400	0.98	mg/Kg dry	1		SW-846 6010C-D	9/6/17	9/8/17 12:15	QNW
Mercury	0.21	0.033	mg/Kg dry	1		SW-846 7471B	9/6/17	9/7/17 14:15	TJK
Nickel	180	0.65	mg/Kg dry	1		SW-846 6010C-D	9/6/17	9/8/17 12:15	QNW
Selenium	ND	6.5	mg/Kg dry	1		SW-846 6010C-D	9/6/17	9/8/17 12:15	QNW
Silver	ND	13	mg/Kg dry	20	DL-04	SW-846 6010C-D	9/6/17	9/8/17 13:18	QNW
Thallium	ND	65	mg/Kg dry	20	DL-04	SW-846 6010C-D	9/6/17	9/8/17 13:18	QNW
Vanadium	1400	1.3	mg/Kg dry	1		SW-846 6010C-D	9/6/17	9/8/17 12:15	QNW
Zinc	1300	1.3	mg/Kg dry	1		SW-846 6010C-D	9/6/17	9/8/17 12:15	QNW

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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: 17H1675

Date Received: 9/1/2017

Field Sample #: WS-AOC8-SE-25 Sampled: 8/31/2017 12:30

Sample ID: 17H1675-14

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	76.3		% 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: 17H1675

Date Received: 9/1/2017

Field Sample #: WS-AOC10-SE-15 Sampled: 8/31/2017 13:00

Sample ID: 17H1675-15

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	100	mg/Kg dry	4000		SW-846 8082A	9/8/17	9/14/17 6:54	JMB
Aroclor-1221 [1]	ND	100	mg/Kg dry	4000		SW-846 8082A	9/8/17	9/14/17 6:54	JMB
Aroclor-1232 [1]	ND	100	mg/Kg dry	4000		SW-846 8082A	9/8/17	9/14/17 6:54	JMB
Aroclor-1242 [1]	ND	100	mg/Kg dry	4000		SW-846 8082A	9/8/17	9/14/17 6:54	JMB
Aroclor-1248 [1]	ND	100	mg/Kg dry	4000		SW-846 8082A	9/8/17	9/14/17 6:54	JMB
Aroclor-1254 [1]	ND	100	mg/Kg dry	4000		SW-846 8082A	9/8/17	9/14/17 6:54	JMB
Aroclor-1260 [2]	430	100	mg/Kg dry	4000		SW-846 8082A	9/8/17	9/14/17 6:54	JMB
Aroclor-1262 [1]	ND	100	mg/Kg dry	4000		SW-846 8082A	9/8/17	9/14/17 6:54	JMB
Aroclor-1268 [1]	ND	100	mg/Kg dry	4000		SW-846 8082A	9/8/17	9/14/17 6:54	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	*	30-150	S-01	9/14/17 6:54
Decachlorobiphenyl [2]	*	30-150	S-01	9/14/17 6:54
Tetrachloro-m-xylene [1]	*	30-150	S-01	9/14/17 6:54
Tetrachloro-m-xylene [2]	*	30-150	S-01	9/14/17 6:54

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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: 17H1675

Date Received: 9/1/2017

Field Sample #: WS-AOC10-SE-15 Sampled: 8/31/2017 13:00

Sample ID: 17H1675-15

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	77.6		% 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: 17H1675

Date Received: 9/1/2017

Field Sample #: Trip Blank Sampled: 8/31/2017 00:00

Sample ID: 17H1675-16

Sample Matrix: Trip Blank Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	0.18	0.10	mg/Kg wet	1		SW-846 8260C	9/6/17	9/6/17 15:22	MFF
Acrylonitrile	ND	0.0060	mg/Kg wet	1		SW-846 8260C	9/6/17	9/6/17 15:22	MFF
Benzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	9/6/17	9/6/17 15:22	MFF
Bromobenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	9/6/17	9/6/17 15:22	MFF
Bromodichloromethane	ND	0.0020	mg/Kg wet	1		SW-846 8260C	9/6/17	9/6/17 15:22	MFF
Bromoform	ND	0.0020	mg/Kg wet	1		SW-846 8260C	9/6/17	9/6/17 15:22	MFF
Bromomethane	ND	0.010	mg/Kg wet	1		SW-846 8260C	9/6/17	9/6/17 15:22	MFF
2-Butanone (MEK)	ND	0.040	mg/Kg wet	1		SW-846 8260C	9/6/17	9/6/17 15:22	MFF
n-Butylbenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	9/6/17	9/6/17 15:22	MFF
sec-Butylbenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	9/6/17	9/6/17 15:22	MFF
tert-Butylbenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	9/6/17	9/6/17 15:22	MFF
Carbon Disulfide	ND	0.0060	mg/Kg wet	1		SW-846 8260C	9/6/17	9/6/17 15:22	MFF
Carbon Tetrachloride	ND	0.0020	mg/Kg wet	1		SW-846 8260C	9/6/17	9/6/17 15:22	MFF
Chlorobenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	9/6/17	9/6/17 15:22	MFF
Chlorodibromomethane	ND	0.0020	mg/Kg wet	1		SW-846 8260C	9/6/17	9/6/17 15:22	MFF
Chloroethane	ND	0.020	mg/Kg wet	1		SW-846 8260C	9/6/17	9/6/17 15:22	MFF
Chloroform	ND	0.0040	mg/Kg wet	1		SW-846 8260C	9/6/17	9/6/17 15:22	MFF
Chloromethane	ND	0.010	mg/Kg wet	1		SW-846 8260C	9/6/17	9/6/17 15:22	MFF
2-Chlorotoluene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	9/6/17	9/6/17 15:22	MFF
4-Chlorotoluene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	9/6/17	9/6/17 15:22	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0040	mg/Kg wet	1		SW-846 8260C	9/6/17	9/6/17 15:22	MFF
1,2-Dibromoethane (EDB)	ND	0.0020	mg/Kg wet	1		SW-846 8260C	9/6/17	9/6/17 15:22	MFF
Dibromomethane	ND	0.0020	mg/Kg wet	1		SW-846 8260C	9/6/17	9/6/17 15:22	MFF
1,2-Dichlorobenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	9/6/17	9/6/17 15:22	MFF
1,3-Dichlorobenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	9/6/17	9/6/17 15:22	MFF
1,4-Dichlorobenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	9/6/17	9/6/17 15:22	MFF
trans-1,4-Dichloro-2-butene	ND	0.0040	mg/Kg wet	1		SW-846 8260C	9/6/17	9/6/17 15:22	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.020	mg/Kg wet	1		SW-846 8260C	9/6/17	9/6/17 15:22	MFF
1,1-Dichloroethane	ND	0.0020	mg/Kg wet	1		SW-846 8260C	9/6/17	9/6/17 15:22	MFF
1,2-Dichloroethane	ND	0.0020	mg/Kg wet	1		SW-846 8260C	9/6/17	9/6/17 15:22	MFF
1,1-Dichloroethylene	ND	0.0040	mg/Kg wet	1		SW-846 8260C	9/6/17	9/6/17 15:22	MFF
cis-1,2-Dichloroethylene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	9/6/17	9/6/17 15:22	MFF
trans-1,2-Dichloroethylene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	9/6/17	9/6/17 15:22	MFF
1,2-Dichloropropane	ND	0.0020	mg/Kg wet	1		SW-846 8260C	9/6/17	9/6/17 15:22	MFF
1,3-Dichloropropane	ND	0.0010	mg/Kg wet	1		SW-846 8260C	9/6/17	9/6/17 15:22	MFF
2,2-Dichloropropane	ND	0.0020	mg/Kg wet	1		SW-846 8260C	9/6/17	9/6/17 15:22	MFF
1,1-Dichloropropene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	9/6/17	9/6/17 15:22	MFF
cis-1,3-Dichloropropene	ND	0.0010	mg/Kg wet	1		SW-846 8260C	9/6/17	9/6/17 15:22	MFF
trans-1,3-Dichloropropene	ND	0.0010	mg/Kg wet	1		SW-846 8260C	9/6/17	9/6/17 15:22	MFF
Ethylbenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	9/6/17	9/6/17 15:22	MFF
Hexachlorobutadiene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	9/6/17	9/6/17 15:22	MFF
2-Hexanone (MBK)	ND	0.020	mg/Kg wet	1		SW-846 8260C	9/6/17	9/6/17 15:22	MFF
Isopropylbenzene (Cumene)	ND	0.0020	mg/Kg wet	1		SW-846 8260C	9/6/17	9/6/17 15:22	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0020	mg/Kg wet	1		SW-846 8260C	9/6/17	9/6/17 15:22	MFF

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: 17H1675

Date Received: 9/1/2017

Field Sample #: Trip Blank Sampled: 8/31/2017 00:00

Sample ID: 17H1675-16

Sample Matrix: Trip Blank Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Methyl tert-Butyl Ether (MTBE)	ND	0.0040	mg/Kg wet	1		SW-846 8260C	9/6/17	9/6/17 15:22	MFF
Methylene Chloride	ND	0.020	mg/Kg wet	1		SW-846 8260C	9/6/17	9/6/17 15:22	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.020	mg/Kg wet	1		SW-846 8260C	9/6/17	9/6/17 15:22	MFF
Naphthalene	ND	0.0040	mg/Kg wet	1		SW-846 8260C	9/6/17	9/6/17 15:22	MFF
n-Propylbenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	9/6/17	9/6/17 15:22	MFF
Styrene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	9/6/17	9/6/17 15:22	MFF
1,1,1,2-Tetrachloroethane	ND	0.0020	mg/Kg wet	1		SW-846 8260C	9/6/17	9/6/17 15:22	MFF
1,1,2,2-Tetrachloroethane	ND	0.0010	mg/Kg wet	1		SW-846 8260C	9/6/17	9/6/17 15:22	MFF
Tetrachloroethylene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	9/6/17	9/6/17 15:22	MFF
Tetrahydrofuran	ND	0.010	mg/Kg wet	1		SW-846 8260C	9/6/17	9/6/17 15:22	MFF
Toluene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	9/6/17	9/6/17 15:22	MFF
1,2,3-Trichlorobenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	9/6/17	9/6/17 15:22	MFF
1,2,4-Trichlorobenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	9/6/17	9/6/17 15:22	MFF
1,1,1-Trichloroethane	ND	0.0020	mg/Kg wet	1		SW-846 8260C	9/6/17	9/6/17 15:22	MFF
1,1,2-Trichloroethane	ND	0.0020	mg/Kg wet	1		SW-846 8260C	9/6/17	9/6/17 15:22	MFF
Trichloroethylene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	9/6/17	9/6/17 15:22	MFF
Trichlorofluoromethane (Freon 11)	ND	0.010	mg/Kg wet	1		SW-846 8260C	9/6/17	9/6/17 15:22	MFF
1,2,3-Trichloropropane	ND	0.0020	mg/Kg wet	1		SW-846 8260C	9/6/17	9/6/17 15:22	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.010	mg/Kg wet	1		SW-846 8260C	9/6/17	9/6/17 15:22	MFF
1,2,4-Trimethylbenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	9/6/17	9/6/17 15:22	MFF
1,3,5-Trimethylbenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	9/6/17	9/6/17 15:22	MFF
Vinyl Chloride	ND	0.010	mg/Kg wet	1		SW-846 8260C	9/6/17	9/6/17 15:22	MFF
m+p Xylene	ND	0.0040	mg/Kg wet	1		SW-846 8260C	9/6/17	9/6/17 15:22	MFF
o-Xylene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	9/6/17	9/6/17 15:22	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	95.0	70-130		9/6/17 15:22
Toluene-d8	93.7	70-130		9/6/17 15:22
4-Bromofluorobenzene	88.7	70-130		9/6/17 15:22

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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: 17H1675

Date Received: 9/1/2017

Field Sample #: Equipment Blank-58 Sampled: 8/31/2017 08:00

Sample ID: 17H1675-17

Sample Matrix: Equipment Blank Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	10	µg/L	1		SW-846 8260C	9/8/17	9/8/17 11:01	LBD
Acrylonitrile	ND	2.0	µg/L	1		SW-846 8260C	9/8/17	9/8/17 11:01	LBD
Benzene	ND	0.50	µg/L	1		SW-846 8260C	9/8/17	9/8/17 11:01	LBD
Bromobenzene	ND	0.50	µg/L	1		SW-846 8260C	9/8/17	9/8/17 11:01	LBD
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C	9/8/17	9/8/17 11:01	LBD
Bromoform	ND	0.50	µg/L	1		SW-846 8260C	9/8/17	9/8/17 11:01	LBD
Bromomethane	ND	5.0	µg/L	1		SW-846 8260C	9/8/17	9/8/17 11:01	LBD
2-Butanone (MEK)	ND	5.0	µg/L	1		SW-846 8260C	9/8/17	9/8/17 11:01	LBD
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	9/8/17	9/8/17 11:01	LBD
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	9/8/17	9/8/17 11:01	LBD
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	9/8/17	9/8/17 11:01	LBD
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260C	9/8/17	9/8/17 11:01	LBD
Carbon Tetrachloride	ND	0.50	µg/L	1		SW-846 8260C	9/8/17	9/8/17 11:01	LBD
Chlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	9/8/17	9/8/17 11:01	LBD
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C	9/8/17	9/8/17 11:01	LBD
Chloroethane	ND	0.50	µg/L	1		SW-846 8260C	9/8/17	9/8/17 11:01	LBD
Chloroform	ND	0.50	µg/L	1		SW-846 8260C	9/8/17	9/8/17 11:01	LBD
Chloromethane	ND	0.60	µg/L	1		SW-846 8260C	9/8/17	9/8/17 11:01	LBD
2-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C	9/8/17	9/8/17 11:01	LBD
4-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C	9/8/17	9/8/17 11:01	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	1.0	µg/L	1		SW-846 8260C	9/8/17	9/8/17 11:01	LBD
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C	9/8/17	9/8/17 11:01	LBD
Dibromomethane	ND	0.50	µg/L	1		SW-846 8260C	9/8/17	9/8/17 11:01	LBD
1,2-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	9/8/17	9/8/17 11:01	LBD
1,3-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	9/8/17	9/8/17 11:01	LBD
1,4-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	9/8/17	9/8/17 11:01	LBD
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260C	9/8/17	9/8/17 11:01	LBD
Dichlorodifluoromethane (Freon 12)	ND	0.50	µg/L	1		SW-846 8260C	9/8/17	9/8/17 11:01	LBD
1,1-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C	9/8/17	9/8/17 11:01	LBD
1,2-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C	9/8/17	9/8/17 11:01	LBD
1,1-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C	9/8/17	9/8/17 11:01	LBD
cis-1,2-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C	9/8/17	9/8/17 11:01	LBD
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	9/8/17	9/8/17 11:01	LBD
1,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	9/8/17	9/8/17 11:01	LBD
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	9/8/17	9/8/17 11:01	LBD
2,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	9/8/17	9/8/17 11:01	LBD
1,1-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	9/8/17	9/8/17 11:01	LBD
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	9/8/17	9/8/17 11:01	LBD
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	9/8/17	9/8/17 11:01	LBD
Ethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	9/8/17	9/8/17 11:01	LBD
Hexachlorobutadiene	ND	0.60	µg/L	1		SW-846 8260C	9/8/17	9/8/17 11:01	LBD
2-Hexanone (MBK)	ND	5.0	µg/L	1		SW-846 8260C	9/8/17	9/8/17 11:01	LBD
Isopropylbenzene (Cumene)	ND	0.50	µg/L	1		SW-846 8260C	9/8/17	9/8/17 11:01	LBD
p-Isopropyltoluene (p-Cymene)	ND	0.50	µg/L	1		SW-846 8260C	9/8/17	9/8/17 11:01	LBD

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: 17H1675

Date Received: 9/1/2017

Field Sample #: Equipment Blank-58 Sampled: 8/31/2017 08:00

Sample ID: 17H1675-17

Sample Matrix: Equipment Blank Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Methyl tert-Butyl Ether (MTBE)	ND	0.50	µg/L	1		SW-846 8260C	9/8/17	9/8/17 11:01	LBD
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C	9/8/17	9/8/17 11:01	LBD
4-Methyl-2-pentanone (MIBK)	ND	5.0	µg/L	1		SW-846 8260C	9/8/17	9/8/17 11:01	LBD
Naphthalene	ND	2.0	µg/L	1		SW-846 8260C	9/8/17	9/8/17 11:01	LBD
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C	9/8/17	9/8/17 11:01	LBD
Styrene	ND	1.0	µg/L	1		SW-846 8260C	9/8/17	9/8/17 11:01	LBD
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	9/8/17	9/8/17 11:01	LBD
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	9/8/17	9/8/17 11:01	LBD
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260C	9/8/17	9/8/17 11:01	LBD
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C	9/8/17	9/8/17 11:01	LBD
Toluene	ND	1.0	µg/L	1		SW-846 8260C	9/8/17	9/8/17 11:01	LBD
1,2,3-Trichlorobenzene	ND	2.0	µg/L	1		SW-846 8260C	9/8/17	9/8/17 11:01	LBD
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	9/8/17	9/8/17 11:01	LBD
1,1,1-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C	9/8/17	9/8/17 11:01	LBD
1,1,2-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C	9/8/17	9/8/17 11:01	LBD
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	9/8/17	9/8/17 11:01	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C	9/8/17	9/8/17 11:01	LBD
1,2,3-Trichloropropane	ND	0.50	µg/L	1		SW-846 8260C	9/8/17	9/8/17 11:01	LBD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	µg/L	1		SW-846 8260C	9/8/17	9/8/17 11:01	LBD
1,2,4-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	9/8/17	9/8/17 11:01	LBD
1,3,5-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	9/8/17	9/8/17 11:01	LBD
Vinyl Chloride	ND	1.0	µg/L	1		SW-846 8260C	9/8/17	9/8/17 11:01	LBD
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C	9/8/17	9/8/17 11:01	LBD
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C	9/8/17	9/8/17 11:01	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	117	70-130		9/8/17 11:01
Toluene-d8	103	70-130		9/8/17 11:01
4-Bromofluorobenzene	96.4	70-130		9/8/17 11:01

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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: 17H1675

Date Received: 9/1/2017

Field Sample #: Equipment Blank-58 Sampled: 8/31/2017 08:00

Sample ID: 17H1675-17

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	9/7/17	9/11/17 15:02	CJM
Acenaphthylene (SIM)	ND	0.30	µg/L	1		SW-846 8270D	9/7/17	9/11/17 15:02	CJM
Aniline	ND	5.0	µg/L	1		SW-846 8270D	9/7/17	9/8/17 10:48	BGL
Anthracene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	9/7/17	9/11/17 15:02	CJM
Benzo(a)anthracene (SIM)	ND	0.050	µg/L	1		SW-846 8270D	9/7/17	9/11/17 15:02	CJM
Benzo(a)pyrene (SIM)	ND	0.10	µg/L	1		SW-846 8270D	9/7/17	9/11/17 15:02	CJM
Benzo(b)fluoranthene (SIM)	ND	0.050	µg/L	1		SW-846 8270D	9/7/17	9/11/17 15:02	CJM
Benzo(g,h,i)perylene (SIM)	ND	0.50	µg/L	1		SW-846 8270D	9/7/17	9/11/17 15:02	CJM
Benzo(k)fluoranthene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	9/7/17	9/11/17 15:02	CJM
Bis(2-chloroethoxy)methane	ND	10	µg/L	1		SW-846 8270D	9/7/17	9/8/17 10:48	BGL
Bis(2-chloroethyl)ether	ND	10	µg/L	1		SW-846 8270D	9/7/17	9/8/17 10:48	BGL
Bis(2-chloroisopropyl)ether	ND	10	µg/L	1		SW-846 8270D	9/7/17	9/8/17 10:48	BGL
Bis(2-Ethylhexyl)phthalate	ND	5.0	µg/L	1	RL-03	SW-846 8270D	9/7/17	9/8/17 10:48	BGL
4-Bromophenylphenylether	ND	10	µg/L	1		SW-846 8270D	9/7/17	9/8/17 10:48	BGL
Butylbenzylphthalate	ND	10	µg/L	1		SW-846 8270D	9/7/17	9/8/17 10:48	BGL
Carbazole	ND	10	µg/L	1		SW-846 8270D	9/7/17	9/8/17 10:48	BGL
4-Chloroaniline	ND	10	µg/L	1		SW-846 8270D	9/7/17	9/8/17 10:48	BGL
4-Chloro-3-methylphenol	ND	10	µg/L	1		SW-846 8270D	9/7/17	9/8/17 10:48	BGL
2-Chloronaphthalene	ND	10	µg/L	1		SW-846 8270D	9/7/17	9/8/17 10:48	BGL
2-Chlorophenol	ND	10	µg/L	1		SW-846 8270D	9/7/17	9/8/17 10:48	BGL
4-Chlorophenylphenylether	ND	10	µg/L	1		SW-846 8270D	9/7/17	9/8/17 10:48	BGL
Chrysene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	9/7/17	9/11/17 15:02	CJM
Dibenz(a,h)anthracene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	9/7/17	9/11/17 15:02	CJM
Dibenzofuran	ND	5.0	µg/L	1		SW-846 8270D	9/7/17	9/8/17 10:48	BGL
Di-n-butylphthalate	ND	10	µg/L	1		SW-846 8270D	9/7/17	9/8/17 10:48	BGL
3,3-Dichlorobenzidine	ND	10	µg/L	1		SW-846 8270D	9/7/17	9/8/17 10:48	BGL
2,4-Dichlorophenol	ND	10	µg/L	1		SW-846 8270D	9/7/17	9/8/17 10:48	BGL
Diethylphthalate	ND	10	µg/L	1		SW-846 8270D	9/7/17	9/8/17 10:48	BGL
2,4-Dimethylphenol	ND	10	µg/L	1		SW-846 8270D	9/7/17	9/8/17 10:48	BGL
Dimethylphthalate	ND	10	µg/L	1		SW-846 8270D	9/7/17	9/8/17 10:48	BGL
4,6-Dinitro-2-methylphenol	ND	10	µg/L	1		SW-846 8270D	9/7/17	9/8/17 10:48	BGL
2,4-Dinitrophenol	ND	10	µg/L	1		SW-846 8270D	9/7/17	9/8/17 10:48	BGL
2,4-Dinitrotoluene	ND	10	µg/L	1		SW-846 8270D	9/7/17	9/8/17 10:48	BGL
2,6-Dinitrotoluene	ND	10	µg/L	1		SW-846 8270D	9/7/17	9/8/17 10:48	BGL
Di-n-octylphthalate	ND	10	µg/L	1		SW-846 8270D	9/7/17	9/8/17 10:48	BGL
Fluoranthene (SIM)	ND	0.50	µg/L	1		SW-846 8270D	9/7/17	9/11/17 15:02	CJM
Fluorene (SIM)	ND	1.0	µg/L	1		SW-846 8270D	9/7/17	9/11/17 15:02	CJM
Hexachlorobenzene	ND	5.0	µg/L	1	RL-03	SW-846 8270D	9/7/17	9/8/17 10:48	BGL
Hexachlorobutadiene	ND	10	µg/L	1		SW-846 8270D	9/7/17	9/8/17 10:48	BGL
Hexachlorocyclopentadiene	ND	10	µg/L	1	V-05	SW-846 8270D	9/7/17	9/8/17 10:48	BGL
Hexachloroethane	ND	2.0	µg/L	1		SW-846 8270D	9/7/17	9/8/17 10:48	BGL
Indeno(1,2,3-cd)pyrene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	9/7/17	9/11/17 15:02	CJM
Isophorone	ND	10	µg/L	1		SW-846 8270D	9/7/17	9/8/17 10:48	BGL
2-Methylnaphthalene (SIM)	ND	1.0	µg/L	1		SW-846 8270D	9/7/17	9/11/17 15:02	CJM

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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: 17H1675

Date Received: 9/1/2017

Field Sample #: Equipment Blank-58 Sampled: 8/31/2017 08:00

Sample ID: 17H1675-17

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
2-Methylphenol	ND	10	µg/L	1		SW-846 8270D	9/7/17	9/8/17 10:48	BGL
3/4-Methylphenol	ND	10	µg/L	1		SW-846 8270D	9/7/17	9/8/17 10:48	BGL
Naphthalene (SIM)	ND	1.0	µg/L	1		SW-846 8270D	9/7/17	9/11/17 15:02	CJM
2-Nitroaniline	ND	10	µg/L	1		SW-846 8270D	9/7/17	9/8/17 10:48	BGL
3-Nitroaniline	ND	10	µg/L	1		SW-846 8270D	9/7/17	9/8/17 10:48	BGL
4-Nitroaniline	ND	10	µg/L	1		SW-846 8270D	9/7/17	9/8/17 10:48	BGL
Nitrobenzene	ND	10	µg/L	1		SW-846 8270D	9/7/17	9/8/17 10:48	BGL
2-Nitrophenol	ND	10	µg/L	1		SW-846 8270D	9/7/17	9/8/17 10:48	BGL
4-Nitrophenol	ND	10	µg/L	1		SW-846 8270D	9/7/17	9/8/17 10:48	BGL
N-Nitrosodiphenylamine	ND	10	µg/L	1		SW-846 8270D	9/7/17	9/8/17 10:48	BGL
N-Nitrosodi-n-propylamine	ND	10	µg/L	1		SW-846 8270D	9/7/17	9/8/17 10:48	BGL
Pentachloronitrobenzene	ND	10	µg/L	1	V-16	SW-846 8270D	9/7/17	9/8/17 10:48	BGL
Pentachlorophenol	ND	5.0	µg/L	1	RL-03	SW-846 8270D	9/7/17	9/8/17 10:48	BGL
Phenanthrene (SIM)	ND	0.050	µg/L	1		SW-846 8270D	9/7/17	9/11/17 15:02	CJM
Phenol	ND	10	µg/L	1		SW-846 8270D	9/7/17	9/8/17 10:48	BGL
Pyrene (SIM)	ND	1.0	µg/L	1		SW-846 8270D	9/7/17	9/11/17 15:02	CJM
Pyridine	ND	5.0	µg/L	1		SW-846 8270D	9/7/17	9/8/17 10:48	BGL
1,2,4,5-Tetrachlorobenzene	ND	10	µg/L	1		SW-846 8270D	9/7/17	9/8/17 10:48	BGL
1,2,4-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8270D	9/7/17	9/8/17 10:48	BGL
2,4,5-Trichlorophenol	ND	10	µg/L	1		SW-846 8270D	9/7/17	9/8/17 10:48	BGL
2,4,6-Trichlorophenol	ND	10	µg/L	1		SW-846 8270D	9/7/17	9/8/17 10:48	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	42.3	15-110		9/8/17 10:48
Phenol-d6	25.7	15-110		9/8/17 10:48
Nitrobenzene-d5	70.2	30-130		9/11/17 15:02
Nitrobenzene-d5	69.6	30-130		9/8/17 10:48
2-Fluorobiphenyl	70.6	30-130		9/8/17 10:48
2-Fluorobiphenyl	72.2	30-130		9/11/17 15:02
2,4,6-Tribromophenol	82.1	15-110		9/8/17 10:48
p-Terphenyl-d14	63.2	30-130		9/11/17 15:02
p-Terphenyl-d14	90.0	30-130		9/8/17 10:48

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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: 17H1675

Date Received: 9/1/2017

Field Sample #: Equipment Blank-58 Sampled: 8/31/2017 08:00

Sample ID: 17H1675-17

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	0.19	µg/L	1		SW-846 8082A	9/7/17	9/8/17 11:31	KAL
Aroclor-1221 [1]	ND	0.19	µg/L	1		SW-846 8082A	9/7/17	9/8/17 11:31	KAL
Aroclor-1232 [1]	ND	0.19	µg/L	1		SW-846 8082A	9/7/17	9/8/17 11:31	KAL
Aroclor-1242 [1]	ND	0.19	µg/L	1		SW-846 8082A	9/7/17	9/8/17 11:31	KAL
Aroclor-1248 [1]	ND	0.19	µg/L	1		SW-846 8082A	9/7/17	9/8/17 11:31	KAL
Aroclor-1254 [1]	ND	0.19	µg/L	1		SW-846 8082A	9/7/17	9/8/17 11:31	KAL
Aroclor-1260 [1]	ND	0.19	µg/L	1		SW-846 8082A	9/7/17	9/8/17 11:31	KAL
Aroclor-1262 [1]	ND	0.19	µg/L	1		SW-846 8082A	9/7/17	9/8/17 11:31	KAL
Aroclor-1268 [1]	ND	0.19	µg/L	1		SW-846 8082A	9/7/17	9/8/17 11:31	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	56.2	30-150		9/8/17 11:31
Decachlorobiphenyl [2]	60.4	30-150		9/8/17 11:31
Tetrachloro-m-xylene [1]	76.8	30-150		9/8/17 11:31
Tetrachloro-m-xylene [2]	75.7	30-150		9/8/17 11:31

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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: 17H1675

Date Received: 9/1/2017

Field Sample #: Equipment Blank-58 Sampled: 8/31/2017 08:00

Sample ID: 17H1675-17

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	9/12/17 19:15	SCS

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
o-Terphenyl	88.8	50-150		9/12/17 19:15

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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: 17H1675

Date Received: 9/1/2017

Field Sample #: Equipment Blank-58 Sampled: 8/31/2017 08:00

Sample ID: 17H1675-17

Sample Matrix: Equipment Blank Water

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	ND	5.0	µg/L	5		SW-846 6020A-B	9/8/17	9/11/17 14:27	WSD
Arsenic	ND	2.0	µg/L	5		SW-846 6020A-B	9/8/17	9/11/17 14:27	WSD
Barium	ND	50	µg/L	5		SW-846 6020A-B	9/8/17	9/11/17 14:27	WSD
Beryllium	ND	2.0	µg/L	5		SW-846 6020A-B	9/8/17	9/11/17 14:27	WSD
Cadmium	ND	2.5	µg/L	5		SW-846 6020A-B	9/8/17	9/11/17 14:27	WSD
Chromium	ND	5.0	µg/L	5		SW-846 6020A-B	9/8/17	9/11/17 14:27	WSD
Copper	ND	25	µg/L	5		SW-846 6020A-B	9/8/17	9/11/17 14:27	WSD
Lead	ND	5.0	µg/L	5		SW-846 6020A-B	9/8/17	9/11/17 14:27	WSD
Mercury	ND	0.00010	mg/L	1		SW-846 7470A	9/6/17	9/7/17 9:06	TJK
Nickel	ND	25	µg/L	5		SW-846 6020A-B	9/8/17	9/11/17 14:27	WSD
Selenium	ND	25	µg/L	5		SW-846 6020A-B	9/8/17	9/11/17 14:27	WSD
Silver	ND	2.5	µg/L	5		SW-846 6020A-B	9/8/17	9/11/17 14:27	WSD
Thallium	ND	1.0	µg/L	5		SW-846 6020A-B	9/8/17	9/11/17 14:27	WSD
Vanadium	ND	25	µg/L	5		SW-846 6020A-B	9/8/17	9/11/17 14:27	WSD
Zinc	ND	50	µg/L	5		SW-846 6020A-B	9/8/17	9/11/17 14:27	WSD

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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
17H1675-14 [WS-AOC8-SE-25]	B185980	30.0	1.00	09/12/17

Prep Method: SW-846 3510C-CTDEP ETPH

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
17H1675-17 [Equipment Blank-58]	B185690	1000	1.00	09/07/17

Prep Method: % Solids-SM 2540G

Lab Number [Field ID]	Batch	Date
17H1675-01 [WS-AOC13-SO-33]	B185578	09/06/17
17H1675-02 [WS-AOC13-SO-34]	B185578	09/06/17
17H1675-03 [WS-AOC13-SO-35]	B185578	09/06/17
17H1675-04 [WS-AOC13-SO-36]	B185578	09/06/17
17H1675-05 [WS-AOC13-SO-37]	B185578	09/06/17
17H1675-06 [WS-AOC13-SO-38]	B185578	09/06/17
17H1675-07 [WS-AOC13-SO-39]	B185578	09/06/17
17H1675-08 [WS-AOC7-SO-17-0]	B185578	09/06/17
17H1675-09 [WS-AOC7-SO-18-0]	B185578	09/06/17
17H1675-10 [WS-AOC7-SO-19-0]	B185578	09/06/17
17H1675-11 [WS-AOC7-SO-20-0]	B185578	09/06/17
17H1675-12 [WS-AOC8-SO-3-0]	B185578	09/06/17
17H1675-13 [WS-AOC9-SO-45-0]	B185578	09/06/17
17H1675-14 [WS-AOC8-SE-25]	B185578	09/06/17
17H1675-15 [WS-AOC10-SE-15]	B185578	09/06/17

Prep Method: SW-846 3050B-SW-846 6010C-D

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17H1675-14 [WS-AOC8-SE-25]	B185638	1.00	50.0	09/06/17

Prep Method: SW-846 3005A-SW-846 6020A-B

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
17H1675-17 [Equipment Blank-58]	B185847	50.0	50.0	09/08/17

Prep Method: SW-846 7470A Prep-SW-846 7470A

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
17H1675-17 [Equipment Blank-58]	B185607	6.00	6.00	09/06/17

Prep Method: SW-846 7471-SW-846 7471B

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17H1675-14 [WS-AOC8-SE-25]	B185635	0.604	50.0	09/06/17

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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
17H1675-01 [WS-AOC13-SO-33]	B185858	10.3	10.0	09/08/17
17H1675-02 [WS-AOC13-SO-34]	B185858	10.4	10.0	09/08/17
17H1675-03 [WS-AOC13-SO-35]	B185858	10.3	10.0	09/08/17
17H1675-04 [WS-AOC13-SO-36]	B185858	10.4	10.0	09/08/17
17H1675-05 [WS-AOC13-SO-37]	B185858	10.2	10.0	09/08/17
17H1675-06 [WS-AOC13-SO-38]	B185858	10.0	10.0	09/08/17
17H1675-07 [WS-AOC13-SO-39]	B185858	10.0	10.0	09/08/17
17H1675-08 [WS-AOC7-SO-17-0]	B185858	10.0	10.0	09/08/17
17H1675-09 [WS-AOC7-SO-18-0]	B185858	10.3	10.0	09/08/17
17H1675-10 [WS-AOC7-SO-19-0]	B185858	10.4	10.0	09/08/17
17H1675-11 [WS-AOC7-SO-20-0]	B185858	10.1	10.0	09/08/17
17H1675-12 [WS-AOC8-SO-3-0]	B185858	10.0	10.0	09/08/17
17H1675-13 [WS-AOC9-SO-45-0]	B185858	10.1	10.0	09/08/17
17H1675-14 [WS-AOC8-SE-25]	B185858	10.1	10.0	09/08/17
17H1675-15 [WS-AOC10-SE-15]	B185858	10.3	10.0	09/08/17

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

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
17H1675-17 [Equipment Blank-58]	B185770	950	9.00	09/07/17

Prep Method: SW-846 5035-SW-846 8260C

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17H1675-14 [WS-AOC8-SE-25]	B185515	5.92	10.0	09/05/17

Prep Method: SW-846 5035-SW-846 8260C

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17H1675-16 [Trip Blank]	B185582	5.00	10.0	09/06/17

Prep Method: SW-846 5030B-SW-846 8260C

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
17H1675-17 [Equipment Blank-58]	B185788	5	5.00	09/08/17

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17H1675-14 [WS-AOC8-SE-25]	B185658	30.0	1.00	09/06/17
17H1675-14RE1 [WS-AOC8-SE-25]	B185658	30.0	1.00	09/06/17

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

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
17H1675-17 [Equipment Blank-58]	B185689	1000	1.00	09/07/17

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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 3510C-SW-846 8270D

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
17H1675-17 [Equipment Blank-58]	B185949	1000	1.00	09/07/17

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

QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B185515 - SW-846 5035										
Blank (B185515-BLK1)				Prepared & Analyzed: 09/05/17						
Acetone	ND	0.10	mg/Kg wet							
Acrylonitrile	ND	0.0060	mg/Kg wet							
Benzene	ND	0.0020	mg/Kg wet							
Bromobenzene	ND	0.0020	mg/Kg wet							
Bromodichloromethane	ND	0.0020	mg/Kg wet							
Bromoform	ND	0.0020	mg/Kg wet							
Bromomethane	ND	0.010	mg/Kg wet							
2-Butanone (MEK)	ND	0.040	mg/Kg wet							
n-Butylbenzene	ND	0.0020	mg/Kg wet							
sec-Butylbenzene	ND	0.0020	mg/Kg wet							
tert-Butylbenzene	ND	0.0020	mg/Kg wet							
Carbon Disulfide	ND	0.0060	mg/Kg wet							
Carbon Tetrachloride	ND	0.0020	mg/Kg wet							
Chlorobenzene	ND	0.0020	mg/Kg wet							
Chlorodibromomethane	ND	0.0010	mg/Kg wet							
Chloroethane	ND	0.020	mg/Kg wet							
Chloroform	ND	0.0040	mg/Kg wet							
Chloromethane	ND	0.010	mg/Kg wet							
2-Chlorotoluene	ND	0.0020	mg/Kg wet							
4-Chlorotoluene	ND	0.0020	mg/Kg wet							
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0020	mg/Kg wet							
1,2-Dibromoethane (EDB)	ND	0.0010	mg/Kg wet							
Dibromomethane	ND	0.0020	mg/Kg wet							
1,2-Dichlorobenzene	ND	0.0020	mg/Kg wet							
1,3-Dichlorobenzene	ND	0.0020	mg/Kg wet							
1,4-Dichlorobenzene	ND	0.0020	mg/Kg wet							
trans-1,4-Dichloro-2-butene	ND	0.0040	mg/Kg wet							
Dichlorodifluoromethane (Freon 12)	ND	0.020	mg/Kg wet							
1,1-Dichloroethane	ND	0.0020	mg/Kg wet							
1,2-Dichloroethane	ND	0.0020	mg/Kg wet							
1,1-Dichloroethylene	ND	0.0040	mg/Kg wet							
cis-1,2-Dichloroethylene	ND	0.0020	mg/Kg wet							
trans-1,2-Dichloroethylene	ND	0.0020	mg/Kg wet							
1,2-Dichloropropane	ND	0.0020	mg/Kg wet							
1,3-Dichloropropane	ND	0.0010	mg/Kg wet							
2,2-Dichloropropane	ND	0.0020	mg/Kg wet							
1,1-Dichloropropene	ND	0.0020	mg/Kg wet							
cis-1,3-Dichloropropene	ND	0.0010	mg/Kg wet							
trans-1,3-Dichloropropene	ND	0.0010	mg/Kg wet							
Ethylbenzene	ND	0.0020	mg/Kg wet							
Hexachlorobutadiene	ND	0.0020	mg/Kg wet							
2-Hexanone (MBK)	ND	0.020	mg/Kg wet							
Isopropylbenzene (Cumene)	ND	0.0020	mg/Kg wet							
p-Isopropyltoluene (p-Cymene)	ND	0.0020	mg/Kg wet							
Methyl tert-Butyl Ether (MTBE)	ND	0.0040	mg/Kg wet							
Methylene Chloride	ND	0.020	mg/Kg wet							
4-Methyl-2-pentanone (MIBK)	ND	0.020	mg/Kg wet							
Naphthalene	ND	0.0040	mg/Kg wet							
n-Propylbenzene	ND	0.0020	mg/Kg wet							
Styrene	ND	0.0020	mg/Kg wet							
1,1,1,2-Tetrachloroethane	ND	0.0020	mg/Kg wet							
1,1,2,2-Tetrachloroethane	ND	0.0010	mg/Kg wet							

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

QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B185515 - SW-846 5035										
Blank (B185515-BLK1)				Prepared & Analyzed: 09/05/17						
Tetrachloroethylene	ND	0.0020	mg/Kg wet							
Tetrahydrofuran	ND	0.010	mg/Kg wet							V-16
Toluene	ND	0.0020	mg/Kg wet							
1,2,3-Trichlorobenzene	ND	0.0020	mg/Kg wet							
1,2,4-Trichlorobenzene	ND	0.0020	mg/Kg wet							
1,1,1-Trichloroethane	ND	0.0020	mg/Kg wet							
1,1,2-Trichloroethane	ND	0.0020	mg/Kg wet							
Trichloroethylene	ND	0.0020	mg/Kg wet							
Trichlorofluoromethane (Freon 11)	ND	0.010	mg/Kg wet							
1,2,3-Trichloropropane	ND	0.0020	mg/Kg wet							
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.010	mg/Kg wet							
1,2,4-Trimethylbenzene	ND	0.0020	mg/Kg wet							
1,3,5-Trimethylbenzene	ND	0.0020	mg/Kg wet							
Vinyl Chloride	ND	0.010	mg/Kg wet							
m+p Xylene	ND	0.0040	mg/Kg wet							
o-Xylene	ND	0.0020	mg/Kg wet							
Surrogate: 1,2-Dichloroethane-d4	*0.0582*		mg/Kg wet	0.0500		116	70-130			
Surrogate: Toluene-d8	*0.0530*		mg/Kg wet	0.0500		106	70-130			
Surrogate: 4-Bromofluorobenzene	*0.0511*		mg/Kg wet	0.0500		102	70-130			
LCS (B185515-BS1)				Prepared & Analyzed: 09/05/17						
Acetone	0.197	0.10	mg/Kg wet	0.200		98.4	70-130			
Acrylonitrile	0.0233	0.0060	mg/Kg wet	0.0200		117	70-130			
Benzene	0.0191	0.0020	mg/Kg wet	0.0200		95.7	70-130			
Bromobenzene	0.0171	0.0020	mg/Kg wet	0.0200		85.5	70-130			
Bromodichloromethane	0.0190	0.0020	mg/Kg wet	0.0200		95.1	70-130			
Bromoform	0.0172	0.0020	mg/Kg wet	0.0200		86.0	70-130			
Bromomethane	0.0207	0.010	mg/Kg wet	0.0200		103	70-130			
2-Butanone (MEK)	0.225	0.040	mg/Kg wet	0.200		113	70-130			
n-Butylbenzene	0.0182	0.0020	mg/Kg wet	0.0200		91.0	70-130			
sec-Butylbenzene	0.0203	0.0020	mg/Kg wet	0.0200		102	70-130			
tert-Butylbenzene	0.0207	0.0020	mg/Kg wet	0.0200		103	70-130			
Carbon Disulfide	0.229	0.0060	mg/Kg wet	0.200		114	70-130			
Carbon Tetrachloride	0.0197	0.0020	mg/Kg wet	0.0200		98.4	70-130			
Chlorobenzene	0.0178	0.0020	mg/Kg wet	0.0200		88.8	70-130			
Chlorodibromomethane	0.0216	0.0010	mg/Kg wet	0.0200		108	70-130			
Chloroethane	0.0183	0.020	mg/Kg wet	0.0200		91.6	70-130			
Chloroform	0.0192	0.0040	mg/Kg wet	0.0200		95.9	70-130			
Chloromethane	0.0220	0.010	mg/Kg wet	0.0200		110	70-130			
2-Chlorotoluene	0.0184	0.0020	mg/Kg wet	0.0200		92.1	70-130			
4-Chlorotoluene	0.0181	0.0020	mg/Kg wet	0.0200		90.5	70-130			
1,2-Dibromo-3-chloropropane (DBCP)	0.0205	0.0020	mg/Kg wet	0.0200		102	70-130			
1,2-Dibromoethane (EDB)	0.0202	0.0010	mg/Kg wet	0.0200		101	70-130			
Dibromomethane	0.0194	0.0020	mg/Kg wet	0.0200		96.8	70-130			
1,2-Dichlorobenzene	0.0187	0.0020	mg/Kg wet	0.0200		93.4	70-130			
1,3-Dichlorobenzene	0.0183	0.0020	mg/Kg wet	0.0200		91.7	70-130			
1,4-Dichlorobenzene	0.0189	0.0020	mg/Kg wet	0.0200		94.6	70-130			
trans-1,4-Dichloro-2-butene	0.0189	0.0040	mg/Kg wet	0.0200		94.5	70-130			
Dichlorodifluoromethane (Freon 12)	0.0185	0.020	mg/Kg wet	0.0200		92.3	70-130			
1,1-Dichloroethane	0.0210	0.0020	mg/Kg wet	0.0200		105	70-130			
1,2-Dichloroethane	0.0235	0.0020	mg/Kg wet	0.0200		117	70-130			
1,1-Dichloroethylene	0.0216	0.0040	mg/Kg wet	0.0200		108	70-130			

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B185515 - SW-846 5035										
LCS (B185515-BS1)				Prepared & Analyzed: 09/05/17						
cis-1,2-Dichloroethylene	0.0204	0.0020	mg/Kg wet	0.0200		102	70-130			
trans-1,2-Dichloroethylene	0.0248	0.0020	mg/Kg wet	0.0200		124	70-130			
1,2-Dichloropropane	0.0215	0.0020	mg/Kg wet	0.0200		108	70-130			
1,3-Dichloropropane	0.0191	0.0010	mg/Kg wet	0.0200		95.5	70-130			
2,2-Dichloropropane	0.0194	0.0020	mg/Kg wet	0.0200		96.8	70-130			
1,1-Dichloropropene	0.0186	0.0020	mg/Kg wet	0.0200		93.2	70-130			
cis-1,3-Dichloropropene	0.0198	0.0010	mg/Kg wet	0.0200		99.2	70-130			
trans-1,3-Dichloropropene	0.0201	0.0010	mg/Kg wet	0.0200		100	70-130			
Ethylbenzene	0.0181	0.0020	mg/Kg wet	0.0200		90.4	70-130			
Hexachlorobutadiene	0.0218	0.0020	mg/Kg wet	0.0200		109	70-130			
2-Hexanone (MBK)	0.212	0.020	mg/Kg wet	0.200		106	70-130			
Isopropylbenzene (Cumene)	0.0190	0.0020	mg/Kg wet	0.0200		95.2	70-130			
p-Isopropyltoluene (p-Cymene)	0.0198	0.0020	mg/Kg wet	0.0200		99.0	70-130			
Methyl tert-Butyl Ether (MTBE)	0.0196	0.0040	mg/Kg wet	0.0200		98.1	70-130			
Methylene Chloride	0.0228	0.020	mg/Kg wet	0.0200		114	70-130			
4-Methyl-2-pentanone (MIBK)	0.218	0.020	mg/Kg wet	0.200		109	70-130			
Naphthalene	0.0173	0.0040	mg/Kg wet	0.0200		86.3	70-130			
n-Propylbenzene	0.0174	0.0020	mg/Kg wet	0.0200		87.2	70-130			
Styrene	0.0177	0.0020	mg/Kg wet	0.0200		88.3	70-130			
1,1,1,2-Tetrachloroethane	0.0198	0.0020	mg/Kg wet	0.0200		99.1	70-130			
1,1,2,2-Tetrachloroethane	0.0169	0.0010	mg/Kg wet	0.0200		84.5	70-130			
Tetrachloroethylene	0.0212	0.0020	mg/Kg wet	0.0200		106	70-130			
Tetrahydrofuran	0.0158	0.010	mg/Kg wet	0.0200		79.2	70-130			V-16
Toluene	0.0191	0.0020	mg/Kg wet	0.0200		95.4	70-130			
1,2,3-Trichlorobenzene	0.0180	0.0020	mg/Kg wet	0.0200		90.1	70-130			
1,2,4-Trichlorobenzene	0.0190	0.0020	mg/Kg wet	0.0200		95.2	70-130			
1,1,1-Trichloroethane	0.0221	0.0020	mg/Kg wet	0.0200		110	70-130			
1,1,2-Trichloroethane	0.0180	0.0020	mg/Kg wet	0.0200		89.8	70-130			
Trichloroethylene	0.0196	0.0020	mg/Kg wet	0.0200		98.1	70-130			
Trichlorofluoromethane (Freon 11)	0.0255	0.010	mg/Kg wet	0.0200		128	70-130			
1,2,3-Trichloropropane	0.0196	0.0020	mg/Kg wet	0.0200		97.9	70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.0233	0.010	mg/Kg wet	0.0200		117	70-130			
1,2,4-Trimethylbenzene	0.0201	0.0020	mg/Kg wet	0.0200		100	70-130			
1,3,5-Trimethylbenzene	0.0190	0.0020	mg/Kg wet	0.0200		94.9	70-130			
Vinyl Chloride	0.0202	0.010	mg/Kg wet	0.0200		101	70-130			
m+p Xylene	0.0368	0.0040	mg/Kg wet	0.0400		92.0	70-130			
o-Xylene	0.0187	0.0020	mg/Kg wet	0.0200		93.4	70-130			
Surrogate: 1,2-Dichloroethane-d4	*0.0555*		mg/Kg wet	0.0500		111	70-130			
Surrogate: Toluene-d8	*0.0527*		mg/Kg wet	0.0500		105	70-130			
Surrogate: 4-Bromofluorobenzene	*0.0496*		mg/Kg wet	0.0500		99.1	70-130			
Batch B185582 - SW-846 5035										
Blank (B185582-BLK1)				Prepared & Analyzed: 09/06/17						
Acetone	ND	0.10	mg/Kg wet							
Acrylonitrile	ND	0.0060	mg/Kg wet							
Benzene	ND	0.0020	mg/Kg wet							
Bromobenzene	ND	0.0020	mg/Kg wet							
Bromodichloromethane	ND	0.0020	mg/Kg wet							
Bromoform	ND	0.0020	mg/Kg wet							
Bromomethane	ND	0.010	mg/Kg wet							
2-Butanone (MEK)	ND	0.040	mg/Kg wet							

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QUALITY CONTROL

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Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B185582 - SW-846 5035										
Blank (B185582-BLK1)				Prepared & Analyzed: 09/06/17						
n-Butylbenzene	ND	0.0020	mg/Kg wet							
sec-Butylbenzene	ND	0.0020	mg/Kg wet							
tert-Butylbenzene	ND	0.0020	mg/Kg wet							
Carbon Disulfide	ND	0.0060	mg/Kg wet							
Carbon Tetrachloride	ND	0.0020	mg/Kg wet							
Chlorobenzene	ND	0.0020	mg/Kg wet							
Chlorodibromomethane	ND	0.0010	mg/Kg wet							
Chloroethane	ND	0.020	mg/Kg wet							
Chloroform	ND	0.0040	mg/Kg wet							
Chloromethane	ND	0.010	mg/Kg wet							
2-Chlorotoluene	ND	0.0020	mg/Kg wet							
4-Chlorotoluene	ND	0.0020	mg/Kg wet							
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0020	mg/Kg wet							
1,2-Dibromoethane (EDB)	ND	0.0010	mg/Kg wet							
Dibromomethane	ND	0.0020	mg/Kg wet							
1,2-Dichlorobenzene	ND	0.0020	mg/Kg wet							
1,3-Dichlorobenzene	ND	0.0020	mg/Kg wet							
1,4-Dichlorobenzene	ND	0.0020	mg/Kg wet							
trans-1,4-Dichloro-2-butene	ND	0.0040	mg/Kg wet							
Dichlorodifluoromethane (Freon 12)	ND	0.020	mg/Kg wet							
1,1-Dichloroethane	ND	0.0020	mg/Kg wet							
1,2-Dichloroethane	ND	0.0020	mg/Kg wet							
1,1-Dichloroethylene	ND	0.0040	mg/Kg wet							
cis-1,2-Dichloroethylene	ND	0.0020	mg/Kg wet							
trans-1,2-Dichloroethylene	ND	0.0020	mg/Kg wet							
1,2-Dichloropropane	ND	0.0020	mg/Kg wet							
1,3-Dichloropropane	ND	0.0010	mg/Kg wet							
2,2-Dichloropropane	ND	0.0020	mg/Kg wet							
1,1-Dichloropropene	ND	0.0020	mg/Kg wet							
cis-1,3-Dichloropropene	ND	0.0010	mg/Kg wet							
trans-1,3-Dichloropropene	ND	0.0010	mg/Kg wet							
Ethylbenzene	ND	0.0020	mg/Kg wet							
Hexachlorobutadiene	ND	0.0020	mg/Kg wet							
2-Hexanone (MBK)	ND	0.020	mg/Kg wet							
Isopropylbenzene (Cumene)	ND	0.0020	mg/Kg wet							
p-Isopropyltoluene (p-Cymene)	ND	0.0020	mg/Kg wet							
Methyl tert-Butyl Ether (MTBE)	ND	0.0040	mg/Kg wet							
Methylene Chloride	ND	0.020	mg/Kg wet							
4-Methyl-2-pentanone (MIBK)	ND	0.020	mg/Kg wet							
Naphthalene	ND	0.0040	mg/Kg wet							
n-Propylbenzene	ND	0.0020	mg/Kg wet							
Styrene	ND	0.0020	mg/Kg wet							
1,1,1,2-Tetrachloroethane	ND	0.0020	mg/Kg wet							
1,1,2,2-Tetrachloroethane	ND	0.0010	mg/Kg wet							
Tetrachloroethylene	ND	0.0020	mg/Kg wet							
Tetrahydrofuran	ND	0.010	mg/Kg wet							
Toluene	ND	0.0020	mg/Kg wet							
1,2,3-Trichlorobenzene	ND	0.0020	mg/Kg wet							
1,2,4-Trichlorobenzene	ND	0.0020	mg/Kg wet							
1,1,1-Trichloroethane	ND	0.0020	mg/Kg wet							
1,1,2-Trichloroethane	ND	0.0020	mg/Kg wet							
Trichloroethylene	ND	0.0020	mg/Kg wet							

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QUALITY CONTROL

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Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes
Batch B185582 - SW-846 5035											
Blank (B185582-BLK1)				Prepared & Analyzed: 09/06/17							
Trichlorofluoromethane (Freon 11)	ND	0.010	mg/Kg wet								
1,2,3-Trichloropropane	ND	0.0020	mg/Kg wet								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.010	mg/Kg wet								
1,2,4-Trimethylbenzene	ND	0.0020	mg/Kg wet								
1,3,5-Trimethylbenzene	ND	0.0020	mg/Kg wet								
Vinyl Chloride	ND	0.010	mg/Kg wet								
m+p Xylene	ND	0.0040	mg/Kg wet								
o-Xylene	ND	0.0020	mg/Kg wet								
Surrogate: 1,2-Dichloroethane-d4	*0.0474*		mg/Kg wet	0.0500		94.9		70-130			
Surrogate: Toluene-d8	*0.0480*		mg/Kg wet	0.0500		96.1		70-130			
Surrogate: 4-Bromofluorobenzene	*0.0457*		mg/Kg wet	0.0500		91.3		70-130			
LCS (B185582-BS1)				Prepared & Analyzed: 09/06/17							
Acetone	0.136	0.10	mg/Kg wet	0.200		**68.0**	*	70-130			
Acrylonitrile	0.0193	0.0060	mg/Kg wet	0.0200		96.3		70-130			
Benzene	0.0203	0.0020	mg/Kg wet	0.0200		101		70-130			
Bromobenzene	0.0216	0.0020	mg/Kg wet	0.0200		108		70-130			
Bromodichloromethane	0.0229	0.0020	mg/Kg wet	0.0200		114		70-130			
Bromoform	0.0215	0.0020	mg/Kg wet	0.0200		108		70-130			
Bromomethane	0.0232	0.010	mg/Kg wet	0.0200		116		70-130			
2-Butanone (MEK)	0.171	0.040	mg/Kg wet	0.200		85.5		70-130			
n-Butylbenzene	0.0197	0.0020	mg/Kg wet	0.0200		98.5		70-130			
sec-Butylbenzene	0.0197	0.0020	mg/Kg wet	0.0200		98.7		70-130			
tert-Butylbenzene	0.0198	0.0020	mg/Kg wet	0.0200		98.9		70-130			
Carbon Disulfide	0.203	0.0060	mg/Kg wet	0.200		102		70-130			
Carbon Tetrachloride	0.0202	0.0020	mg/Kg wet	0.0200		101		70-130			
Chlorobenzene	0.0227	0.0020	mg/Kg wet	0.0200		114		70-130			
Chlorodibromomethane	0.0216	0.0010	mg/Kg wet	0.0200		108		70-130			
Chloroethane	0.0202	0.020	mg/Kg wet	0.0200		101		70-130			
Chloroform	0.0208	0.0040	mg/Kg wet	0.0200		104		70-130			
Chloromethane	0.0197	0.010	mg/Kg wet	0.0200		98.7		70-130			
2-Chlorotoluene	0.0221	0.0020	mg/Kg wet	0.0200		111		70-130			
4-Chlorotoluene	0.0221	0.0020	mg/Kg wet	0.0200		110		70-130			
1,2-Dibromo-3-chloropropane (DBCP)	0.0190	0.0020	mg/Kg wet	0.0200		95.1		70-130			
1,2-Dibromoethane (EDB)	0.0217	0.0010	mg/Kg wet	0.0200		108		70-130			
Dibromomethane	0.0212	0.0020	mg/Kg wet	0.0200		106		70-130			
1,2-Dichlorobenzene	0.0214	0.0020	mg/Kg wet	0.0200		107		70-130			
1,3-Dichlorobenzene	0.0210	0.0020	mg/Kg wet	0.0200		105		70-130			
1,4-Dichlorobenzene	0.0211	0.0020	mg/Kg wet	0.0200		106		70-130			
trans-1,4-Dichloro-2-butene	0.0188	0.0040	mg/Kg wet	0.0200		93.9		70-130			
Dichlorodifluoromethane (Freon 12)	0.0212	0.020	mg/Kg wet	0.0200		106		70-130			
1,1-Dichloroethane	0.0218	0.0020	mg/Kg wet	0.0200		109		70-130			
1,2-Dichloroethane	0.0229	0.0020	mg/Kg wet	0.0200		115		70-130			
1,1-Dichloroethylene	0.0199	0.0040	mg/Kg wet	0.0200		99.5		70-130			
cis-1,2-Dichloroethylene	0.0213	0.0020	mg/Kg wet	0.0200		106		70-130			
trans-1,2-Dichloroethylene	0.0203	0.0020	mg/Kg wet	0.0200		102		70-130			
1,2-Dichloropropane	0.0207	0.0020	mg/Kg wet	0.0200		104		70-130			
1,3-Dichloropropane	0.0218	0.0010	mg/Kg wet	0.0200		109		70-130			
2,2-Dichloropropane	0.0177	0.0020	mg/Kg wet	0.0200		88.7		70-130			
1,1-Dichloropropene	0.0209	0.0020	mg/Kg wet	0.0200		105		70-130			
cis-1,3-Dichloropropene	0.0215	0.0010	mg/Kg wet	0.0200		107		70-130			
trans-1,3-Dichloropropene	0.0199	0.0010	mg/Kg wet	0.0200		99.6		70-130			

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QUALITY CONTROL

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Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B185582 - SW-846 5035										
LCS (B185582-BS1)				Prepared & Analyzed: 09/06/17						
Ethylbenzene	0.0220	0.0020	mg/Kg wet	0.0200		110	70-130			
Hexachlorobutadiene	0.0222	0.0020	mg/Kg wet	0.0200		111	70-130			
2-Hexanone (MBK)	0.191	0.020	mg/Kg wet	0.200		95.7	70-130			
Isopropylbenzene (Cumene)	0.0218	0.0020	mg/Kg wet	0.0200		109	70-130			
p-Isopropyltoluene (p-Cymene)	0.0205	0.0020	mg/Kg wet	0.0200		102	70-130			
Methyl tert-Butyl Ether (MTBE)	0.0189	0.0040	mg/Kg wet	0.0200		94.4	70-130			
Methylene Chloride	0.0215	0.020	mg/Kg wet	0.0200		108	70-130			
4-Methyl-2-pentanone (MIBK)	0.213	0.020	mg/Kg wet	0.200		106	70-130			
Naphthalene	0.0165	0.0040	mg/Kg wet	0.0200		82.3	70-130			
n-Propylbenzene	0.0215	0.0020	mg/Kg wet	0.0200		108	70-130			
Styrene	0.0223	0.0020	mg/Kg wet	0.0200		111	70-130			
1,1,1,2-Tetrachloroethane	0.0213	0.0020	mg/Kg wet	0.0200		106	70-130			
1,1,2,2-Tetrachloroethane	0.0216	0.0010	mg/Kg wet	0.0200		108	70-130			
Tetrachloroethylene	0.0228	0.0020	mg/Kg wet	0.0200		114	70-130			
Tetrahydrofuran	0.0201	0.010	mg/Kg wet	0.0200		101	70-130			
Toluene	0.0210	0.0020	mg/Kg wet	0.0200		105	70-130			
1,2,3-Trichlorobenzene	0.0183	0.0020	mg/Kg wet	0.0200		91.7	70-130			
1,2,4-Trichlorobenzene	0.0180	0.0020	mg/Kg wet	0.0200		90.1	70-130			
1,1,1-Trichloroethane	0.0214	0.0020	mg/Kg wet	0.0200		107	70-130			
1,1,2-Trichloroethane	0.0233	0.0020	mg/Kg wet	0.0200		116	70-130			
Trichloroethylene	0.0200	0.0020	mg/Kg wet	0.0200		99.9	70-130			
Trichlorofluoromethane (Freon 11)	0.0222	0.010	mg/Kg wet	0.0200		111	70-130			
1,2,3-Trichloropropane	0.0225	0.0020	mg/Kg wet	0.0200		113	70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.0211	0.010	mg/Kg wet	0.0200		106	70-130			
1,2,4-Trimethylbenzene	0.0193	0.0020	mg/Kg wet	0.0200		96.3	70-130			
1,3,5-Trimethylbenzene	0.0218	0.0020	mg/Kg wet	0.0200		109	70-130			
Vinyl Chloride	0.0188	0.010	mg/Kg wet	0.0200		94.1	70-130			
m+p Xylene	0.0427	0.0040	mg/Kg wet	0.0400		107	70-130			
o-Xylene	0.0213	0.0020	mg/Kg wet	0.0200		106	70-130			
Surrogate: 1,2-Dichloroethane-d4	*0.0457*		mg/Kg wet	0.0500		91.4	70-130			
Surrogate: Toluene-d8	*0.0471*		mg/Kg wet	0.0500		94.2	70-130			
Surrogate: 4-Bromofluorobenzene	*0.0486*		mg/Kg wet	0.0500		97.3	70-130			
Batch B185788 - SW-846 5030B										
Blank (B185788-BLK1)				Prepared & Analyzed: 09/08/17						
Acetone	ND	10	µg/L							
Acrylonitrile	ND	2.0	µg/L							
Benzene	ND	0.50	µg/L							
Bromobenzene	ND	0.50	µg/L							
Bromodichloromethane	ND	0.50	µg/L							
Bromoform	ND	0.50	µg/L							
Bromomethane	ND	5.0	µg/L							
2-Butanone (MEK)	ND	5.0	µg/L							
n-Butylbenzene	ND	1.0	µg/L							
sec-Butylbenzene	ND	1.0	µg/L							
tert-Butylbenzene	ND	1.0	µg/L							
Carbon Disulfide	ND	5.0	µg/L							
Carbon Tetrachloride	ND	0.50	µg/L							
Chlorobenzene	ND	0.50	µg/L							
Chlorodibromomethane	ND	0.50	µg/L							
Chloroethane	ND	0.50	µg/L							

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B185788 - SW-846 5030B										
Blank (B185788-BLK1)				Prepared & Analyzed: 09/08/17						
Chloroform	ND	0.50	µg/L							
Chloromethane	ND	0.60	µg/L							
2-Chlorotoluene	ND	0.50	µg/L							
4-Chlorotoluene	ND	0.50	µg/L							
1,2-Dibromo-3-chloropropane (DBCP)	ND	1.0	µg/L							
1,2-Dibromoethane (EDB)	ND	0.50	µg/L							
Dibromomethane	ND	0.50	µg/L							
1,2-Dichlorobenzene	ND	0.50	µg/L							
1,3-Dichlorobenzene	ND	0.50	µg/L							
1,4-Dichlorobenzene	ND	0.50	µg/L							
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L							
Dichlorodifluoromethane (Freon 12)	ND	0.50	µg/L							
1,1-Dichloroethane	ND	0.50	µg/L							
1,2-Dichloroethane	ND	0.50	µg/L							
1,1-Dichloroethylene	ND	0.50	µg/L							
cis-1,2-Dichloroethylene	ND	0.50	µg/L							
trans-1,2-Dichloroethylene	ND	1.0	µg/L							
1,2-Dichloropropane	ND	0.50	µg/L							
1,3-Dichloropropane	ND	0.50	µg/L							
2,2-Dichloropropane	ND	0.50	µg/L							
1,1-Dichloropropene	ND	0.50	µg/L							
cis-1,3-Dichloropropene	ND	0.50	µg/L							
trans-1,3-Dichloropropene	ND	0.50	µg/L							
Ethylbenzene	ND	0.50	µg/L							
Hexachlorobutadiene	ND	0.60	µg/L							
2-Hexanone (MBK)	ND	5.0	µg/L							
Isopropylbenzene (Cumene)	ND	0.50	µg/L							
p-Isopropyltoluene (p-Cymene)	ND	0.50	µg/L							
Methyl tert-Butyl Ether (MTBE)	ND	0.50	µg/L							
Methylene Chloride	ND	5.0	µg/L							
4-Methyl-2-pentanone (MIBK)	ND	5.0	µg/L							
Naphthalene	ND	2.0	µg/L							
n-Propylbenzene	ND	1.0	µg/L							
Styrene	ND	1.0	µg/L							
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L							
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L							
Tetrachloroethylene	ND	1.0	µg/L							
Tetrahydrofuran	ND	10	µg/L							
Toluene	ND	1.0	µg/L							
1,2,3-Trichlorobenzene	ND	2.0	µg/L							
1,2,4-Trichlorobenzene	ND	1.0	µg/L							
1,1,1-Trichloroethane	ND	0.50	µg/L							
1,1,2-Trichloroethane	ND	0.50	µg/L							
Trichloroethylene	ND	1.0	µg/L							
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L							
1,2,3-Trichloropropane	ND	0.50	µg/L							
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	µg/L							
1,2,4-Trimethylbenzene	ND	0.50	µg/L							
1,3,5-Trimethylbenzene	ND	0.50	µg/L							
Vinyl Chloride	ND	1.0	µg/L							
m+p Xylene	ND	2.0	µg/L							

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes
Batch B185788 - SW-846 5030B											
Blank (B185788-BLK1)				Prepared & Analyzed: 09/08/17							
o-Xylene	ND	1.0	µg/L								
Surrogate: 1,2-Dichloroethane-d4	*29.6*		µg/L	25.0		118		70-130			
Surrogate: Toluene-d8	*25.6*		µg/L	25.0		103		70-130			
Surrogate: 4-Bromofluorobenzene	*25.2*		µg/L	25.0		101		70-130			
LCS (B185788-BS1)				Prepared & Analyzed: 09/08/17							
Acetone	86.8	10	µg/L	100		86.8		70-130			
Acrylonitrile	10.2	2.0	µg/L	10.0		102		70-130			
Benzene	11.0	0.50	µg/L	10.0		110		70-130			
Bromobenzene	10.3	0.50	µg/L	10.0		103		70-130			
Bromodichloromethane	11.6	0.50	µg/L	10.0		116		70-130			
Bromoform	9.84	0.50	µg/L	10.0		98.4		70-130			
Bromomethane	11.7	5.0	µg/L	10.0		117		70-130			
2-Butanone (MEK)	95.2	5.0	µg/L	100		95.2		70-130			
n-Butylbenzene	11.6	1.0	µg/L	10.0		116		70-130			
sec-Butylbenzene	11.0	1.0	µg/L	10.0		110		70-130			
tert-Butylbenzene	11.2	1.0	µg/L	10.0		112		70-130			
Carbon Disulfide	121	5.0	µg/L	100		121		70-130			
Carbon Tetrachloride	12.5	0.50	µg/L	10.0		125		70-130			
Chlorobenzene	10.2	0.50	µg/L	10.0		102		70-130			
Chlorodibromomethane	11.1	0.50	µg/L	10.0		111		70-130			
Chloroethane	9.80	0.50	µg/L	10.0		98.0		70-130			
Chloroform	11.6	0.50	µg/L	10.0		116		70-130			
Chloromethane	7.70	0.60	µg/L	10.0		77.0		70-130			
2-Chlorotoluene	10.9	0.50	µg/L	10.0		109		70-130			
4-Chlorotoluene	10.9	0.50	µg/L	10.0		109		70-130			
1,2-Dibromo-3-chloropropane (DBCP)	11.9	1.0	µg/L	10.0		119		70-130			
1,2-Dibromoethane (EDB)	10.6	0.50	µg/L	10.0		106		70-130			
Dibromomethane	11.1	0.50	µg/L	10.0		111		70-130			
1,2-Dichlorobenzene	10.1	0.50	µg/L	10.0		101		70-130			
1,3-Dichlorobenzene	10.3	0.50	µg/L	10.0		103		70-130			
1,4-Dichlorobenzene	10.0	0.50	µg/L	10.0		100		70-130			
trans-1,4-Dichloro-2-butene	10.0	2.0	µg/L	10.0		100		70-130			
Dichlorodifluoromethane (Freon 12)	11.9	0.50	µg/L	10.0		119		70-130			
1,1-Dichloroethane	10.8	0.50	µg/L	10.0		108		70-130			
1,2-Dichloroethane	11.9	0.50	µg/L	10.0		119		70-130			
1,1-Dichloroethylene	10.8	0.50	µg/L	10.0		108		70-130			
cis-1,2-Dichloroethylene	11.0	0.50	µg/L	10.0		110		70-130			
trans-1,2-Dichloroethylene	10.9	1.0	µg/L	10.0		109		70-130			
1,2-Dichloropropane	10.4	0.50	µg/L	10.0		104		70-130			
1,3-Dichloropropane	11.0	0.50	µg/L	10.0		110		70-130			
2,2-Dichloropropane	13.9	0.50	µg/L	10.0		**139**	*	70-130			L-01, V-20
1,1-Dichloropropene	11.8	0.50	µg/L	10.0		118		70-130			
cis-1,3-Dichloropropene	11.3	0.50	µg/L	10.0		113		70-130			
trans-1,3-Dichloropropene	11.7	0.50	µg/L	10.0		117		70-130			
Ethylbenzene	10.6	0.50	µg/L	10.0		106		70-130			
Hexachlorobutadiene	12.5	0.60	µg/L	10.0		125		70-130			
2-Hexanone (MBK)	99.6	5.0	µg/L	100		99.6		70-130			
Isopropylbenzene (Cumene)	10.4	0.50	µg/L	10.0		104		70-130			
p-Isopropyltoluene (p-Cymene)	11.3	0.50	µg/L	10.0		113		70-130			
Methyl tert-Butyl Ether (MTBE)	11.5	0.50	µg/L	10.0		115		70-130			
Methylene Chloride	9.44	5.0	µg/L	10.0		94.4		70-130			

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B185788 - SW-846 5030B										
LCS (B185788-BS1)				Prepared & Analyzed: 09/08/17						
4-Methyl-2-pentanone (MIBK)	98.9	5.0	µg/L	100		98.9	70-130			
Naphthalene	9.28	2.0	µg/L	10.0		92.8	70-130			
n-Propylbenzene	10.8	1.0	µg/L	10.0		108	70-130			
Styrene	10.4	1.0	µg/L	10.0		104	70-130			
1,1,1,2-Tetrachloroethane	10.1	0.50	µg/L	10.0		101	70-130			
1,1,2,2-Tetrachloroethane	10.3	0.50	µg/L	10.0		103	70-130			
Tetrachloroethylene	10.6	1.0	µg/L	10.0		106	70-130			
Tetrahydrofuran	8.44	10	µg/L	10.0		84.4	70-130			
Toluene	10.9	1.0	µg/L	10.0		109	70-130			
1,2,3-Trichlorobenzene	10.6	2.0	µg/L	10.0		106	70-130			
1,2,4-Trichlorobenzene	10.7	1.0	µg/L	10.0		107	70-130			
1,1,1-Trichloroethane	12.4	0.50	µg/L	10.0		124	70-130			
1,1,2-Trichloroethane	10.7	0.50	µg/L	10.0		107	70-130			
Trichloroethylene	11.5	1.0	µg/L	10.0		115	70-130			
Trichlorofluoromethane (Freon 11)	12.2	2.0	µg/L	10.0		122	70-130			
1,2,3-Trichloropropane	11.6	0.50	µg/L	10.0		116	70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11.2	0.50	µg/L	10.0		112	70-130			
1,2,4-Trimethylbenzene	10.9	0.50	µg/L	10.0		109	70-130			
1,3,5-Trimethylbenzene	10.5	0.50	µg/L	10.0		105	70-130			
Vinyl Chloride	9.03	1.0	µg/L	10.0		90.3	70-130			
m+p Xylene	21.6	2.0	µg/L	20.0		108	70-130			
o-Xylene	10.6	1.0	µg/L	10.0		106	70-130			
Surrogate: 1,2-Dichloroethane-d4	*28.8*		µg/L	25.0		115	70-130			
Surrogate: Toluene-d8	*26.1*		µg/L	25.0		104	70-130			
Surrogate: 4-Bromofluorobenzene	*25.3*		µg/L	25.0		101	70-130			

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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										
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							
Aniline	ND	0.34	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							
Bis(2-chloroethoxy)methane	ND	0.34	mg/Kg wet							
Bis(2-chloroethyl)ether	ND	0.34	mg/Kg wet							
Bis(2-chloroisopropyl)ether	ND	0.34	mg/Kg wet							
Bis(2-Ethylhexyl)phthalate	ND	0.34	mg/Kg wet							
4-Bromophenylphenylether	ND	0.34	mg/Kg wet							
Butylbenzylphthalate	ND	0.34	mg/Kg wet							
Carbazole	ND	0.17	mg/Kg wet							
4-Chloroaniline	ND	0.66	mg/Kg wet							L-04
4-Chloro-3-methylphenol	ND	0.66	mg/Kg wet							
2-Chloronaphthalene	ND	0.34	mg/Kg wet							
2-Chlorophenol	ND	0.34	mg/Kg wet							
4-Chlorophenylphenylether	ND	0.34	mg/Kg wet							
Chrysene	ND	0.17	mg/Kg wet							
Dibenz(a,h)anthracene	ND	0.17	mg/Kg wet							
Dibenzofuran	ND	0.34	mg/Kg wet							
Di-n-butylphthalate	ND	0.34	mg/Kg wet							
3,3-Dichlorobenzidine	ND	0.17	mg/Kg wet							
2,4-Dichlorophenol	ND	0.34	mg/Kg wet							
Diethylphthalate	ND	0.34	mg/Kg wet							
2,4-Dimethylphenol	ND	0.34	mg/Kg wet							
Dimethylphthalate	ND	0.34	mg/Kg wet							
4,6-Dinitro-2-methylphenol	ND	0.34	mg/Kg wet							
2,4-Dinitrophenol	ND	0.66	mg/Kg wet							
2,4-Dinitrotoluene	ND	0.34	mg/Kg wet							
2,6-Dinitrotoluene	ND	0.34	mg/Kg wet							
Di-n-octylphthalate	ND	0.34	mg/Kg wet							
Fluoranthene	ND	0.17	mg/Kg wet							
Fluorene	ND	0.17	mg/Kg wet							
Hexachlorobenzene	ND	0.34	mg/Kg wet							
Hexachlorobutadiene	ND	0.34	mg/Kg wet							
Hexachlorocyclopentadiene	ND	0.34	mg/Kg wet							V-05
Hexachloroethane	ND	0.34	mg/Kg wet							
Indeno(1,2,3-cd)pyrene	ND	0.17	mg/Kg wet							
Isophorone	ND	0.34	mg/Kg wet							
2-Methylnaphthalene	ND	0.17	mg/Kg wet							
2-Methylphenol	ND	0.34	mg/Kg wet							
3/4-Methylphenol	ND	0.34	mg/Kg wet							
Naphthalene	ND	0.17	mg/Kg wet							
2-Nitroaniline	ND	0.34	mg/Kg wet							
3-Nitroaniline	ND	0.34	mg/Kg wet							
4-Nitroaniline	ND	0.34	mg/Kg wet							
Nitrobenzene	ND	0.34	mg/Kg wet							
2-Nitrophenol	ND	0.34	mg/Kg wet							

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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												
Blank (B185658-BLK1)				Prepared: 09/06/17 Analyzed: 09/07/17								
4-Nitrophenol	ND	0.66	mg/Kg wet									
N-Nitrosodiphenylamine	ND	0.34	mg/Kg wet									
N-Nitrosodi-n-propylamine	ND	0.34	mg/Kg wet									
Pentachloronitrobenzene	ND	0.34	mg/Kg wet								V-16	
Pentachlorophenol	ND	0.34	mg/Kg wet									
Phenanthrene	ND	0.17	mg/Kg wet									
Phenol	ND	0.34	mg/Kg wet									
Pyrene	ND	0.17	mg/Kg wet									
Pyridine	ND	0.34	mg/Kg wet									
1,2,4,5-Tetrachlorobenzene	ND	0.34	mg/Kg wet									
1,2,4-Trichlorobenzene	ND	0.34	mg/Kg wet									
2,4,5-Trichlorophenol	ND	0.34	mg/Kg wet									
2,4,6-Trichlorophenol	ND	0.34	mg/Kg wet									
Surrogate: 2-Fluorophenol	*4.34*		mg/Kg wet	6.67		65.2		30-130				
Surrogate: Phenol-d6	*4.66*		mg/Kg wet	6.67		69.9		30-130				
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: 2,4,6-Tribromophenol	*7.14*		mg/Kg wet	6.67		107		30-130				
Surrogate: p-Terphenyl-d14	*3.28*		mg/Kg wet	3.33		98.5		30-130				
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				
Aniline	0.727	0.34	mg/Kg wet	1.67		43.6		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				
Bis(2-chloroethoxy)methane	1.25	0.34	mg/Kg wet	1.67		75.0		40-140				
Bis(2-chloroethyl)ether	1.08	0.34	mg/Kg wet	1.67		64.8		40-140				
Bis(2-chloroisopropyl)ether	1.18	0.34	mg/Kg wet	1.67		70.9		40-140				
Bis(2-Ethylhexyl)phthalate	1.18	0.34	mg/Kg wet	1.67		71.0		40-140				
4-Bromophenylphenylether	1.34	0.34	mg/Kg wet	1.67		80.1		40-140				
Butylbenzylphthalate	1.23	0.34	mg/Kg wet	1.67		74.0		40-140				
Carbazole	1.11	0.17	mg/Kg wet	1.67		66.8		40-140				
4-Chloroaniline	0.586	0.66	mg/Kg wet	1.67		**35.2**	*	40-140			L-04	†
4-Chloro-3-methylphenol	1.25	0.66	mg/Kg wet	1.67		75.2		30-130				
2-Chloronaphthalene	1.13	0.34	mg/Kg wet	1.67		68.0		40-140				
2-Chlorophenol	1.14	0.34	mg/Kg wet	1.67		68.3		30-130				
4-Chlorophenylphenylether	1.28	0.34	mg/Kg wet	1.67		76.7		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				
Dibenzofuran	1.18	0.34	mg/Kg wet	1.67		70.6		40-140				
Di-n-butylphthalate	1.15	0.34	mg/Kg wet	1.67		68.9		40-140				
3,3-Dichlorobenzidine	1.19	0.17	mg/Kg wet	1.67		71.3		40-140				†
2,4-Dichlorophenol	1.26	0.34	mg/Kg wet	1.67		75.8		30-130				
Diethylphthalate	1.24	0.34	mg/Kg wet	1.67		74.7		40-140				
2,4-Dimethylphenol	1.22	0.34	mg/Kg wet	1.67		73.3		30-130				
Dimethylphthalate	1.26	0.34	mg/Kg wet	1.67		75.5		40-140				
4,6-Dinitro-2-methylphenol	0.841	0.34	mg/Kg wet	1.67		50.5		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						
2,4-Dinitrophenol	0.627	0.66	mg/Kg wet	1.67		37.6	30-130			
2,4-Dinitrotoluene	1.32	0.34	mg/Kg wet	1.67		79.4	40-140			
2,6-Dinitrotoluene	1.33	0.34	mg/Kg wet	1.67		80.0	40-140			
Di-n-octylphthalate	1.09	0.34	mg/Kg wet	1.67		65.3	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			
Hexachlorobenzene	1.43	0.34	mg/Kg wet	1.67		85.9	40-140			
Hexachlorobutadiene	1.19	0.34	mg/Kg wet	1.67		71.5	40-140			
Hexachlorocyclopentadiene	0.821	0.34	mg/Kg wet	1.67		49.3	30-140			V-05
Hexachloroethane	1.06	0.34	mg/Kg wet	1.67		63.6	40-140			
Indeno(1,2,3-cd)pyrene	1.04	0.17	mg/Kg wet	1.67		62.3	40-140			
Isophorone	1.28	0.34	mg/Kg wet	1.67		76.8	40-140			
2-Methylnaphthalene	1.16	0.17	mg/Kg wet	1.67		69.3	40-140			
2-Methylphenol	1.07	0.34	mg/Kg wet	1.67		64.3	30-130			
3/4-Methylphenol	1.17	0.34	mg/Kg wet	1.67		70.3	30-130			
Naphthalene	1.06	0.17	mg/Kg wet	1.67		63.5	40-140			
2-Nitroaniline	1.34	0.34	mg/Kg wet	1.67		80.6	40-140			
3-Nitroaniline	1.02	0.34	mg/Kg wet	1.67		61.1	40-140			†
4-Nitroaniline	1.20	0.34	mg/Kg wet	1.67		72.2	40-140			
Nitrobenzene	1.29	0.34	mg/Kg wet	1.67		77.5	40-140			
2-Nitrophenol	1.14	0.34	mg/Kg wet	1.67		68.5	30-130			
4-Nitrophenol	1.66	0.66	mg/Kg wet	1.67		99.4	10-130			
N-Nitrosodiphenylamine	1.49	0.34	mg/Kg wet	1.67		89.4	40-140			
N-Nitrosodi-n-propylamine	1.21	0.34	mg/Kg wet	1.67		72.7	40-140			
Pentachloronitrobenzene	1.43	0.34	mg/Kg wet	1.67		85.7	40-140			V-16
Pentachlorophenol	1.00	0.34	mg/Kg wet	1.67		60.3	30-130			
Phenanthrene	1.16	0.17	mg/Kg wet	1.67		69.6	40-140			
Phenol	1.21	0.34	mg/Kg wet	1.67		72.6	20-130			
Pyrene	1.18	0.17	mg/Kg wet	1.67		71.0	40-140			
Pyridine	0.665	0.34	mg/Kg wet	1.67		39.9	10-140			†
1,2,4,5-Tetrachlorobenzene	1.16	0.34	mg/Kg wet	1.67		69.9	40-140			
1,2,4-Trichlorobenzene	1.21	0.34	mg/Kg wet	1.67		72.6	40-140			
2,4,5-Trichlorophenol	1.24	0.34	mg/Kg wet	1.67		74.1	30-130			
2,4,6-Trichlorophenol	1.23	0.34	mg/Kg wet	1.67		73.9	30-130			
Surrogate: 2-Fluorophenol	*5.00*		mg/Kg wet	6.67		75.1	30-130			
Surrogate: Phenol-d6	*5.23*		mg/Kg wet	6.67		78.4	30-130			
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: 2,4,6-Tribromophenol	*7.30*		mg/Kg wet	6.67		110	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	
Aniline	0.714	0.34	mg/Kg wet	1.67		42.8	40-140	1.90	50	† ‡
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	
Bis(2-chloroethoxy)methane	1.25	0.34	mg/Kg wet	1.67		75.2	40-140	0.293	30	

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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 Dup (B185658-BSD1)				Prepared: 09/06/17 Analyzed: 09/07/17								
Bis(2-chloroethyl)ether	1.14	0.34	mg/Kg wet	1.67		68.1		40-140	5.03	30		
Bis(2-chloroisopropyl)ether	1.21	0.34	mg/Kg wet	1.67		72.5		40-140	2.29	30		
Bis(2-Ethylhexyl)phthalate	1.19	0.34	mg/Kg wet	1.67		71.2		40-140	0.309	30		
4-Bromophenylphenylether	1.30	0.34	mg/Kg wet	1.67		78.3		40-140	2.35	30		
Butylbenzylphthalate	1.22	0.34	mg/Kg wet	1.67		73.0		40-140	1.31	30		
Carbazole	1.08	0.17	mg/Kg wet	1.67		64.6		40-140	3.41	30		
4-Chloroaniline	0.576	0.66	mg/Kg wet	1.67		**34.5**	*	40-140	1.84	30	L-04	†
4-Chloro-3-methylphenol	1.24	0.66	mg/Kg wet	1.67		74.5		30-130	0.935	30		
2-Chloronaphthalene	1.12	0.34	mg/Kg wet	1.67		67.3		40-140	1.00	30		
2-Chlorophenol	1.14	0.34	mg/Kg wet	1.67		68.4		30-130	0.117	30		
4-Chlorophenylphenylether	1.22	0.34	mg/Kg wet	1.67		73.0		40-140	5.02	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		
Dibenzofuran	1.17	0.34	mg/Kg wet	1.67		70.2		40-140	0.483	30		
Di-n-butylphthalate	1.15	0.34	mg/Kg wet	1.67		69.0		40-140	0.203	30		
3,3-Dichlorobenzidine	1.27	0.17	mg/Kg wet	1.67		76.0		40-140	6.38	30		† ‡
2,4-Dichlorophenol	1.25	0.34	mg/Kg wet	1.67		75.2		30-130	0.742	30		
Diethylphthalate	1.24	0.34	mg/Kg wet	1.67		74.4		40-140	0.456	30		
2,4-Dimethylphenol	1.19	0.34	mg/Kg wet	1.67		71.2		30-130	2.88	30		
Dimethylphthalate	1.23	0.34	mg/Kg wet	1.67		73.5		40-140	2.71	50		
4,6-Dinitro-2-methylphenol	0.802	0.34	mg/Kg wet	1.67		48.1		30-130	4.71	50		
2,4-Dinitrophenol	0.583	0.66	mg/Kg wet	1.67		35.0		30-130	7.22	50		
2,4-Dinitrotoluene	1.28	0.34	mg/Kg wet	1.67		77.0		40-140	3.07	30		
2,6-Dinitrotoluene	1.31	0.34	mg/Kg wet	1.67		78.9		40-140	1.36	30		
Di-n-octylphthalate	1.09	0.34	mg/Kg wet	1.67		65.5		40-140	0.275	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		
Hexachlorobenzene	1.39	0.34	mg/Kg wet	1.67		83.4		40-140	2.91	30		
Hexachlorobutadiene	1.21	0.34	mg/Kg wet	1.67		72.4		40-140	1.25	30		
Hexachlorocyclopentadiene	0.828	0.34	mg/Kg wet	1.67		49.7		30-140	0.809	50	V-05	
Hexachloroethane	1.08	0.34	mg/Kg wet	1.67		64.9		40-140	1.99	50		
Indeno(1,2,3-cd)pyrene	1.04	0.17	mg/Kg wet	1.67		62.6		40-140	0.384	50		
Isophorone	1.28	0.34	mg/Kg wet	1.67		77.1		40-140	0.390	30		
2-Methylnaphthalene	1.18	0.17	mg/Kg wet	1.67		70.6		40-140	1.83	30		
2-Methylphenol	1.10	0.34	mg/Kg wet	1.67		65.9		30-130	2.55	30		
3/4-Methylphenol	1.20	0.34	mg/Kg wet	1.67		71.8		30-130	2.17	30		
Naphthalene	1.07	0.17	mg/Kg wet	1.67		64.3		40-140	1.35	30		
2-Nitroaniline	1.31	0.34	mg/Kg wet	1.67		78.5		40-140	2.59	30		
3-Nitroaniline	0.939	0.34	mg/Kg wet	1.67		56.4		40-140	8.01	30		†
4-Nitroaniline	1.15	0.34	mg/Kg wet	1.67		69.0		40-140	4.50	30		
Nitrobenzene	1.29	0.34	mg/Kg wet	1.67		77.2		40-140	0.336	30		
2-Nitrophenol	1.17	0.34	mg/Kg wet	1.67		70.4		30-130	2.62	30		
4-Nitrophenol	1.60	0.66	mg/Kg wet	1.67		96.0		10-130	3.44	50		‡
N-Nitrosodiphenylamine	1.44	0.34	mg/Kg wet	1.67		86.4		40-140	3.50	30		
N-Nitrosodi-n-propylamine	1.23	0.34	mg/Kg wet	1.67		74.0		40-140	1.85	30		
Pentachloronitrobenzene	1.40	0.34	mg/Kg wet	1.67		84.1		40-140	1.91	30	V-16	
Pentachlorophenol	0.967	0.34	mg/Kg wet	1.67		58.0		30-130	3.86	50		
Phenanthrene	1.12	0.17	mg/Kg wet	1.67		67.0		40-140	3.81	30		
Phenol	1.21	0.34	mg/Kg wet	1.67		72.5		20-130	0.0827	30		
Pyrene	1.15	0.17	mg/Kg wet	1.67		69.1		40-140	2.66	30		
Pyridine	0.657	0.34	mg/Kg wet	1.67		39.4		10-140	1.16	50		†
1,2,4,5-Tetrachlorobenzene	1.20	0.34	mg/Kg wet	1.67		71.9		40-140	2.88	30		

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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 Dup (B185658-BSD1)				Prepared: 09/06/17 Analyzed: 09/07/17						
1,2,4-Trichlorobenzene	1.22	0.34	mg/Kg wet	1.67		73.2	40-140	0.823	30	
2,4,5-Trichlorophenol	1.24	0.34	mg/Kg wet	1.67		74.4	30-130	0.323	30	
2,4,6-Trichlorophenol	1.20	0.34	mg/Kg wet	1.67		72.2	30-130	2.33	50	
Surrogate: 2-Fluorophenol	*5.14*		mg/Kg wet	6.67		77.1	30-130			
Surrogate: Phenol-d6	*5.30*		mg/Kg wet	6.67		79.5	30-130			
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: 2,4,6-Tribromophenol	*7.25*		mg/Kg wet	6.67		109	30-130			
Surrogate: p-Terphenyl-d14	*2.90*		mg/Kg wet	3.33		87.1	30-130			
Batch B185689 - SW-846 3510C										
Blank (B185689-BLK1)				Prepared: 09/07/17 Analyzed: 09/08/17						
Aniline	ND	5.0	µg/L							
Bis(2-chloroethoxy)methane	ND	10	µg/L							
Bis(2-chloroethyl)ether	ND	10	µg/L							
Bis(2-chloroisopropyl)ether	ND	10	µg/L							
Bis(2-Ethylhexyl)phthalate	ND	5.0	µg/L							
4-Bromophenylphenylether	ND	10	µg/L							
Butylbenzylphthalate	ND	10	µg/L							
Carbazole	ND	10	µg/L							
4-Chloroaniline	ND	10	µg/L							
4-Chloro-3-methylphenol	ND	10	µg/L							
2-Chloronaphthalene	ND	10	µg/L							
2-Chlorophenol	ND	10	µg/L							
4-Chlorophenylphenylether	ND	10	µg/L							
Dibenzofuran	ND	5.0	µg/L							
Di-n-butylphthalate	ND	10	µg/L							
3,3-Dichlorobenzidine	ND	10	µg/L							
2,4-Dichlorophenol	ND	10	µg/L							
Diethylphthalate	ND	10	µg/L							
2,4-Dimethylphenol	ND	10	µg/L							
Dimethylphthalate	ND	10	µg/L							
4,6-Dinitro-2-methylphenol	ND	10	µg/L							
2,4-Dinitrophenol	ND	10	µg/L							
2,4-Dinitrotoluene	ND	10	µg/L							
2,6-Dinitrotoluene	ND	10	µg/L							
Di-n-octylphthalate	ND	10	µg/L							
Hexachlorobenzene	ND	5.0	µg/L							
Hexachlorobutadiene	ND	10	µg/L							
Hexachlorocyclopentadiene	ND	10	µg/L							V-05
Hexachloroethane	ND	2.0	µg/L							
Isophorone	ND	10	µg/L							
2-Methylphenol	ND	10	µg/L							
3/4-Methylphenol	ND	10	µg/L							
2-Nitroaniline	ND	10	µg/L							
3-Nitroaniline	ND	10	µg/L							
4-Nitroaniline	ND	10	µg/L							
Nitrobenzene	ND	10	µg/L							
2-Nitrophenol	ND	10	µg/L							
4-Nitrophenol	ND	10	µg/L							
N-Nitrosodiphenylamine	ND	10	µg/L							
N-Nitrosodi-n-propylamine	ND	10	µg/L							

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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 B185689 - SW-846 3510C											
Blank (B185689-BLK1)				Prepared: 09/07/17 Analyzed: 09/08/17							
Pentachloronitrobenzene	ND	10	µg/L							V-16	
Pentachlorophenol	ND	5.0	µg/L								
Phenol	ND	10	µg/L								
Pyridine	ND	5.0	µg/L								
1,2,4,5-Tetrachlorobenzene	ND	10	µg/L								
1,2,4-Trichlorobenzene	ND	5.0	µg/L								
2,4,5-Trichlorophenol	ND	10	µg/L								
2,4,6-Trichlorophenol	ND	10	µg/L								
Surrogate: 2-Fluorophenol	*84.5*		µg/L	200		42.3	15-110				
Surrogate: Phenol-d6	*52.2*		µg/L	200		26.1	15-110				
Surrogate: Nitrobenzene-d5	*71.0*		µg/L	100		71.0	30-130				
Surrogate: 2-Fluorobiphenyl	*70.4*		µg/L	100		70.4	30-130				
Surrogate: 2,4,6-Tribromophenol	*161*		µg/L	200		80.7	15-110				
Surrogate: p-Terphenyl-d14	*87.1*		µg/L	100		87.1	30-130				
LCS (B185689-BS1)				Prepared: 09/07/17 Analyzed: 09/08/17							
Aniline	57.9	5.0	µg/L	100		57.9	40-140				†
Bis(2-chloroethoxy)methane	69.3	10	µg/L	100		69.3	40-140				
Bis(2-chloroethyl)ether	67.5	10	µg/L	100		67.5	40-140				
Bis(2-chloroisopropyl)ether	60.8	10	µg/L	100		60.8	40-140				
Bis(2-Ethylhexyl)phthalate	86.7	10	µg/L	100		86.7	40-140				
4-Bromophenylphenylether	74.9	10	µg/L	100		74.9	40-140				
Butylbenzylphthalate	80.6	10	µg/L	100		80.6	40-140				
Carbazole	72.6	10	µg/L	100		72.6	40-140				
4-Chloroaniline	71.6	10	µg/L	100		71.6	40-140				†
4-Chloro-3-methylphenol	74.0	10	µg/L	100		74.0	30-130				
2-Chloronaphthalene	58.8	10	µg/L	100		58.8	40-140				
2-Chlorophenol	61.9	10	µg/L	100		61.9	30-130				
4-Chlorophenylphenylether	71.4	10	µg/L	100		71.4	40-140				
Dibenzofuran	66.8	5.0	µg/L	100		66.8	40-140				
Di-n-butylphthalate	83.9	10	µg/L	100		83.9	40-140				
3,3-Dichlorobenzidine	118	10	µg/L	100		118	40-140				†
2,4-Dichlorophenol	70.3	10	µg/L	100		70.3	30-130				
Diethylphthalate	75.5	10	µg/L	100		75.5	40-140				
2,4-Dimethylphenol	76.5	10	µg/L	100		76.5	30-130				
Dimethylphthalate	71.1	10	µg/L	100		71.1	40-140				
4,6-Dinitro-2-methylphenol	66.0	10	µg/L	100		66.0	30-130				
2,4-Dinitrophenol	52.7	10	µg/L	100		52.7	30-130				
2,4-Dinitrotoluene	66.5	10	µg/L	100		66.5	40-140				
2,6-Dinitrotoluene	69.4	10	µg/L	100		69.4	40-140				
Di-n-octylphthalate	79.3	10	µg/L	100		79.3	40-140				
Hexachlorobenzene	71.4	10	µg/L	100		71.4	40-140				
Hexachlorobutadiene	80.0	10	µg/L	100		80.0	40-140				
Hexachlorocyclopentadiene	42.9	10	µg/L	100		42.9	30-140			V-05	
Hexachloroethane	67.8	10	µg/L	100		67.8	40-140				
Isophorone	71.9	10	µg/L	100		71.9	40-140				
2-Methylphenol	51.3	10	µg/L	100		51.3	30-130				
3/4-Methylphenol	52.7	10	µg/L	100		52.7	30-130				
2-Nitroaniline	72.9	10	µg/L	100		72.9	40-140				
3-Nitroaniline	64.6	10	µg/L	100		64.6	40-140				†
4-Nitroaniline	70.0	10	µg/L	100		70.0	40-140				
Nitrobenzene	68.8	10	µg/L	100		68.8	40-140				

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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 B185689 - SW-846 3510C											
LCS (B185689-BS1)				Prepared: 09/07/17 Analyzed: 09/08/17							
2-Nitrophenol	69.3	10	µg/L	100		69.3	30-130				
4-Nitrophenol	37.7	10	µg/L	100		37.7	10-130				
N-Nitrosodiphenylamine	92.0	10	µg/L	100		92.0	40-140				
N-Nitrosodi-n-propylamine	66.6	10	µg/L	100		66.6	40-140				
Pentachloronitrobenzene	80.9	10	µg/L	100		80.9	40-140			V-16	
Pentachlorophenol	54.8	10	µg/L	100		54.8	30-130				
Phenol	27.5	10	µg/L	100		27.5	20-130				
Pyridine	25.4	5.0	µg/L	100		25.4	10-140				†
1,2,4,5-Tetrachlorobenzene	72.1	10	µg/L	100		72.1	40-140				
1,2,4-Trichlorobenzene	67.1	5.0	µg/L	100		67.1	40-140				
2,4,5-Trichlorophenol	65.6	10	µg/L	100		65.6	30-130				
2,4,6-Trichlorophenol	70.0	10	µg/L	100		70.0	30-130				
Surrogate: 2-Fluorophenol	*95.9*		µg/L	200		48.0	15-110				
Surrogate: Phenol-d6	*65.7*		µg/L	200		32.8	15-110				
Surrogate: Nitrobenzene-d5	*80.3*		µg/L	100		80.3	30-130				
Surrogate: 2-Fluorobiphenyl	*74.7*		µg/L	100		74.7	30-130				
Surrogate: 2,4,6-Tribromophenol	*163*		µg/L	200		81.6	15-110				
Surrogate: p-Terphenyl-d14	*80.2*		µg/L	100		80.2	30-130				
LCS Dup (B185689-BSD1)				Prepared: 09/07/17 Analyzed: 09/08/17							
Aniline	58.7	5.0	µg/L	100		58.7	40-140	1.42	50		† ‡
Bis(2-chloroethoxy)methane	68.3	10	µg/L	100		68.3	40-140	1.48	20		
Bis(2-chloroethyl)ether	67.5	10	µg/L	100		67.5	40-140	0.0296	20		
Bis(2-chloroisopropyl)ether	60.5	10	µg/L	100		60.5	40-140	0.429	20		
Bis(2-Ethylhexyl)phthalate	84.7	10	µg/L	100		84.7	40-140	2.30	20		
4-Bromophenylphenylether	73.2	10	µg/L	100		73.2	40-140	2.19	20		
Butylbenzylphthalate	78.8	10	µg/L	100		78.8	40-140	2.17	20		
Carbazole	70.4	10	µg/L	100		70.4	40-140	3.08	20		
4-Chloroaniline	73.1	10	µg/L	100		73.1	40-140	2.06	20		†
4-Chloro-3-methylphenol	72.8	10	µg/L	100		72.8	30-130	1.68	20		
2-Chloronaphthalene	59.2	10	µg/L	100		59.2	40-140	0.695	20		
2-Chlorophenol	59.5	10	µg/L	100		59.5	30-130	4.07	20		
4-Chlorophenylphenylether	69.3	10	µg/L	100		69.3	40-140	3.06	20		
Dibenzofuran	65.6	5.0	µg/L	100		65.6	40-140	1.81	20		
Di-n-butylphthalate	83.5	10	µg/L	100		83.5	40-140	0.394	20		
3,3-Dichlorobenzidine	114	10	µg/L	100		114	40-140	3.84	20		† ‡
2,4-Dichlorophenol	68.6	10	µg/L	100		68.6	30-130	2.39	20		
Diethylphthalate	76.1	10	µg/L	100		76.1	40-140	0.818	20		
2,4-Dimethylphenol	74.3	10	µg/L	100		74.3	30-130	2.82	20		
Dimethylphthalate	69.3	10	µg/L	100		69.3	40-140	2.55	50		
4,6-Dinitro-2-methylphenol	65.0	10	µg/L	100		65.0	30-130	1.50	50		
2,4-Dinitrophenol	51.3	10	µg/L	100		51.3	30-130	2.69	50		
2,4-Dinitrotoluene	65.2	10	µg/L	100		65.2	40-140	1.94	20		
2,6-Dinitrotoluene	68.0	10	µg/L	100		68.0	40-140	2.12	20		
Di-n-octylphthalate	78.0	10	µg/L	100		78.0	40-140	1.58	20		
Hexachlorobenzene	70.8	10	µg/L	100		70.8	40-140	0.774	20		
Hexachlorobutadiene	75.9	10	µg/L	100		75.9	40-140	5.28	20		
Hexachlorocyclopentadiene	39.5	10	µg/L	100		39.5	30-140	8.15	50	V-05	
Hexachloroethane	65.4	10	µg/L	100		65.4	40-140	3.48	50		
Isophorone	71.4	10	µg/L	100		71.4	40-140	0.726	20		
2-Methylphenol	49.9	10	µg/L	100		49.9	30-130	2.63	20		
3/4-Methylphenol	50.9	10	µg/L	100		50.9	30-130	3.55	20		

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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 B185689 - SW-846 3510C											
LCS Dup (B185689-BSD1)				Prepared: 09/07/17 Analyzed: 09/08/17							
2-Nitroaniline	72.3	10	µg/L	100		72.3	40-140	0.771	20		
3-Nitroaniline	64.6	10	µg/L	100		64.6	40-140	0.0310	20		†
4-Nitroaniline	69.5	10	µg/L	100		69.5	40-140	0.702	20		
Nitrobenzene	68.1	10	µg/L	100		68.1	40-140	0.950	20		
2-Nitrophenol	62.5	10	µg/L	100		62.5	30-130	10.3	20		
4-Nitrophenol	35.6	10	µg/L	100		35.6	10-130	5.81	50		‡
N-Nitrosodiphenylamine	91.1	10	µg/L	100		91.1	40-140	0.929	20		
N-Nitrosodi-n-propylamine	65.6	10	µg/L	100		65.6	40-140	1.39	20		
Pentachloronitrobenzene	78.5	10	µg/L	100		78.5	40-140	3.01	20	V-16	
Pentachlorophenol	50.6	10	µg/L	100		50.6	30-130	7.97	50		
Phenol	28.5	10	µg/L	100		28.5	20-130	3.46	20		
Pyridine	26.9	5.0	µg/L	100		26.9	10-140	5.85	50		†
1,2,4,5-Tetrachlorobenzene	69.0	10	µg/L	100		69.0	40-140	4.36	20		
1,2,4-Trichlorobenzene	65.3	5.0	µg/L	100		65.3	40-140	2.73	20		
2,4,5-Trichlorophenol	64.4	10	µg/L	100		64.4	30-130	1.86	20		
2,4,6-Trichlorophenol	67.4	10	µg/L	100		67.4	30-130	3.81	50		
Surrogate: 2-Fluorophenol	*90.3*		µg/L	200		45.1	15-110				
Surrogate: Phenol-d6	*60.6*		µg/L	200		30.3	15-110				
Surrogate: Nitrobenzene-d5	*78.6*		µg/L	100		78.6	30-130				
Surrogate: 2-Fluorobiphenyl	*70.5*		µg/L	100		70.5	30-130				
Surrogate: 2,4,6-Tribromophenol	*156*		µg/L	200		77.8	15-110				
Surrogate: p-Terphenyl-d14	*77.5*		µg/L	100		77.5	30-130				
Batch B185949 - SW-846 3510C											
Blank (B185949-BLK1)				Prepared: 09/07/17 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	*80.4*		µg/L	100		80.4	30-130				
Surrogate: 2-Fluorobiphenyl	*79.4*		µg/L	100		79.4	30-130				
Surrogate: p-Terphenyl-d14	*67.6*		µg/L	100		67.6	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 B185949 - SW-846 3510C										
LCS (B185949-BS1)				Prepared: 09/07/17 Analyzed: 09/11/17						
Acenaphthene (SIM)	80.8	7.5	µg/L	100		80.8	40-140			
Acenaphthylene (SIM)	78.7	7.5	µg/L	100		78.7	40-140			
Anthracene (SIM)	84.8	5.0	µg/L	100		84.8	40-140			
Benzo(a)anthracene (SIM)	82.6	1.2	µg/L	100		82.6	40-140			
Benzo(a)pyrene (SIM)	90.1	2.5	µg/L	100		90.1	40-140			
Benzo(b)fluoranthene (SIM)	90.1	1.2	µg/L	100		90.1	40-140			
Benzo(g,h,i)perylene (SIM)	83.4	12	µg/L	100		83.4	40-140			
Benzo(k)fluoranthene (SIM)	86.8	5.0	µg/L	100		86.8	40-140			
Chrysene (SIM)	81.9	5.0	µg/L	100		81.9	40-140			
Dibenz(a,h)anthracene (SIM)	85.3	5.0	µg/L	100		85.3	40-140			
Fluoranthene (SIM)	85.0	12	µg/L	100		85.0	40-140			
Fluorene (SIM)	83.5	25	µg/L	100		83.5	40-140			
Indeno(1,2,3-cd)pyrene (SIM)	84.8	5.0	µg/L	100		84.8	40-140			
2-Methylnaphthalene (SIM)	77.6	25	µg/L	100		77.6	40-140			
Naphthalene (SIM)	74.3	25	µg/L	100		74.3	40-140			
Phenanthrene (SIM)	81.7	1.2	µg/L	100		81.7	40-140			
Pyrene (SIM)	80.8	25	µg/L	100		80.8	40-140			
Surrogate: Nitrobenzene-d5	*87.8*		µg/L	100		87.8	30-130			
Surrogate: 2-Fluorobiphenyl	*91.0*		µg/L	100		91.0	30-130			
Surrogate: p-Terphenyl-d14	*77.4*		µg/L	100		77.4	30-130			
LCS Dup (B185949-BSD1)				Prepared: 09/07/17 Analyzed: 09/11/17						
Acenaphthene (SIM)	85.0	7.5	µg/L	100		85.0	40-140	4.95	20	
Acenaphthylene (SIM)	82.4	7.5	µg/L	100		82.4	40-140	4.56	20	
Anthracene (SIM)	88.3	5.0	µg/L	100		88.3	40-140	4.02	20	
Benzo(a)anthracene (SIM)	86.1	1.2	µg/L	100		86.1	40-140	4.12	20	
Benzo(a)pyrene (SIM)	94.3	2.5	µg/L	100		94.3	40-140	4.50	20	
Benzo(b)fluoranthene (SIM)	93.6	1.2	µg/L	100		93.6	40-140	3.78	20	
Benzo(g,h,i)perylene (SIM)	88.5	12	µg/L	100		88.5	40-140	5.87	20	
Benzo(k)fluoranthene (SIM)	90.4	5.0	µg/L	100		90.4	40-140	4.01	20	
Chrysene (SIM)	86.0	5.0	µg/L	100		86.0	40-140	4.80	20	
Dibenz(a,h)anthracene (SIM)	90.9	5.0	µg/L	100		90.9	40-140	6.38	20	
Fluoranthene (SIM)	89.0	12	µg/L	100		89.0	40-140	4.62	20	
Fluorene (SIM)	87.9	25	µg/L	100		87.9	40-140	5.19	20	
Indeno(1,2,3-cd)pyrene (SIM)	90.3	5.0	µg/L	100		90.3	40-140	6.20	20	‡
2-Methylnaphthalene (SIM)	81.5	25	µg/L	100		81.5	40-140	4.93	20	
Naphthalene (SIM)	77.7	25	µg/L	100		77.7	40-140	4.54	20	
Phenanthrene (SIM)	84.3	1.2	µg/L	100		84.3	40-140	3.10	20	
Pyrene (SIM)	84.4	25	µg/L	100		84.4	40-140	4.30	20	
Surrogate: Nitrobenzene-d5	*85.6*		µg/L	100		85.6	30-130			
Surrogate: 2-Fluorobiphenyl	*89.8*		µg/L	100		89.8	30-130			
Surrogate: p-Terphenyl-d14	*71.8*		µg/L	100		71.8	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 B185770 - SW-846 3510C										
Blank (B185770-BLK1)				Prepared: 09/07/17 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	*2.07*		µg/L	2.00		104	30-150			
Surrogate: Decachlorobiphenyl [2C]	*2.21*		µg/L	2.00		110	30-150			
Surrogate: Tetrachloro-m-xylene	*1.91*		µg/L	2.00		95.6	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.86*		µg/L	2.00		93.0	30-150			
LCS (B185770-BS1)				Prepared: 09/07/17 Analyzed: 09/08/17						
Aroclor-1016	0.49	0.20	µg/L	0.500		97.3	40-140			
Aroclor-1016 [2C]	0.54	0.20	µg/L	0.500		108	40-140			
Aroclor-1260	0.49	0.20	µg/L	0.500		98.3	40-140			
Aroclor-1260 [2C]	0.48	0.20	µg/L	0.500		95.4	40-140			
Surrogate: Decachlorobiphenyl	*1.95*		µg/L	2.00		97.4	30-150			
Surrogate: Decachlorobiphenyl [2C]	*2.09*		µg/L	2.00		105	30-150			
Surrogate: Tetrachloro-m-xylene	*1.82*		µg/L	2.00		91.2	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.80*		µg/L	2.00		89.9	30-150			
LCS Dup (B185770-BSD1)				Prepared: 09/07/17 Analyzed: 09/08/17						
Aroclor-1016	0.52	0.20	µg/L	0.500		103	40-140	6.09	20	
Aroclor-1016 [2C]	0.55	0.20	µg/L	0.500		111	40-140	2.48	20	
Aroclor-1260	0.50	0.20	µg/L	0.500		99.5	40-140	1.25	20	
Aroclor-1260 [2C]	0.48	0.20	µg/L	0.500		96.8	40-140	1.49	20	
Surrogate: Decachlorobiphenyl	*2.03*		µg/L	2.00		102	30-150			
Surrogate: Decachlorobiphenyl [2C]	*2.20*		µg/L	2.00		110	30-150			
Surrogate: Tetrachloro-m-xylene	*1.91*		µg/L	2.00		95.3	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.89*		µg/L	2.00		94.7	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 B185858 - SW-846 3540C										
Blank (B185858-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	*0.193*		mg/Kg wet	0.200		96.7	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.199*		mg/Kg wet	0.200		99.3	30-150			
Surrogate: Tetrachloro-m-xylene	*0.181*		mg/Kg wet	0.200		90.4	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.192*		mg/Kg wet	0.200		95.8	30-150			
LCS (B185858-BS1)				Prepared: 09/08/17 Analyzed: 09/13/17						
Aroclor-1016	0.18	0.020	mg/Kg wet	0.200		90.7	40-140			
Aroclor-1016 [2C]	0.19	0.020	mg/Kg wet	0.200		92.8	40-140			
Aroclor-1260	0.16	0.020	mg/Kg wet	0.200		81.2	40-140			
Aroclor-1260 [2C]	0.16	0.020	mg/Kg wet	0.200		78.8	40-140			
Surrogate: Decachlorobiphenyl	*0.188*		mg/Kg wet	0.200		94.2	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.193*		mg/Kg wet	0.200		96.6	30-150			
Surrogate: Tetrachloro-m-xylene	*0.172*		mg/Kg wet	0.200		86.2	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.182*		mg/Kg wet	0.200		91.0	30-150			
LCS Dup (B185858-BSD1)				Prepared: 09/08/17 Analyzed: 09/13/17						
Aroclor-1016	0.19	0.020	mg/Kg wet	0.200		93.2	40-140	2.73	30	
Aroclor-1016 [2C]	0.19	0.020	mg/Kg wet	0.200		95.4	40-140	2.79	30	
Aroclor-1260	0.16	0.020	mg/Kg wet	0.200		82.4	40-140	1.41	30	
Aroclor-1260 [2C]	0.16	0.020	mg/Kg wet	0.200		80.0	40-140	1.51	30	
Surrogate: Decachlorobiphenyl	*0.190*		mg/Kg wet	0.200		95.1	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.195*		mg/Kg wet	0.200		97.6	30-150			
Surrogate: Tetrachloro-m-xylene	*0.178*		mg/Kg wet	0.200		88.8	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.188*		mg/Kg wet	0.200		94.0	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 B185858 - SW-846 3540C										
Matrix Spike (B185858-MS1)		**Source: 17H1675-01**		Prepared: 09/08/17 Analyzed: 09/13/17						
Aroclor-1016	0.24	0.087	mg/Kg dry	0.217	ND	109	40-140			
Aroclor-1016 [2C]	0.23	0.087	mg/Kg dry	0.217	ND	107	40-140			
Aroclor-1260	0.41	0.087	mg/Kg dry	0.217	0.16	116	40-140			
Aroclor-1260 [2C]	0.39	0.087	mg/Kg dry	0.217	0.17	103	40-140			
Surrogate: Decachlorobiphenyl	*0.197*		mg/Kg dry	0.217		90.8	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.218*		mg/Kg dry	0.217		101	30-150			
Surrogate: Tetrachloro-m-xylene	*0.207*		mg/Kg dry	0.217		95.7	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.212*		mg/Kg dry	0.217		98.0	30-150			
Matrix Spike Dup (B185858-MSD1)		**Source: 17H1675-01**		Prepared: 09/08/17 Analyzed: 09/13/17						
Aroclor-1016	0.24	0.088	mg/Kg dry	0.219	ND	109	40-140	0.804	50	
Aroclor-1016 [2C]	0.23	0.088	mg/Kg dry	0.219	ND	106	40-140	0.00359	50	
Aroclor-1260	0.38	0.088	mg/Kg dry	0.219	0.16	101	40-140	7.97	50	
Aroclor-1260 [2C]	0.37	0.088	mg/Kg dry	0.219	0.17	90.6	40-140	6.48	50	
Surrogate: Decachlorobiphenyl	*0.198*		mg/Kg dry	0.219		90.4	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.217*		mg/Kg dry	0.219		99.4	30-150			
Surrogate: Tetrachloro-m-xylene	*0.199*		mg/Kg dry	0.219		91.2	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.207*		mg/Kg dry	0.219		94.6	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 B185980 - SW-846 3546										
Blank (B185980-BLK1)				Prepared: 09/12/17 Analyzed: 09/13/17						
CT ETPH	ND	10	mg/Kg wet							
Surrogate: o-Terphenyl	*3.17*		mg/Kg wet	3.33		95.1	50-150			
LCS (B185980-BS1)				Prepared: 09/12/17 Analyzed: 09/13/17						
CT ETPH	25.2	10	mg/Kg wet	33.3		75.5	60-120			
Surrogate: o-Terphenyl	*3.35*		mg/Kg wet	3.33		100	50-150			
LCS Dup (B185980-BSD1)				Prepared: 09/12/17 Analyzed: 09/13/17						
CT ETPH	23.7	10	mg/Kg wet	33.3		71.1	60-120	5.91	30	
Surrogate: o-Terphenyl	*3.16*		mg/Kg wet	3.33		94.7	50-150			

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QUALITY CONTROL

Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B185607 - SW-846 7470A Prep										
Blank (B185607-BLK1)				Prepared: 09/06/17 Analyzed: 09/07/17						
Mercury	ND	0.00010	mg/L							
LCS (B185607-BS1)				Prepared: 09/06/17 Analyzed: 09/07/17						
Mercury	0.00173	0.00010	mg/L	0.00200		86.4	80-120			
LCS Dup (B185607-BSD1)				Prepared: 09/06/17 Analyzed: 09/07/17						
Mercury	0.00161	0.00010	mg/L	0.00200		80.6	80-120	6.90	20	
Batch B185635 - SW-846 7471										
Blank (B185635-BLK1)				Prepared: 09/06/17 Analyzed: 09/07/17						
Mercury	ND	0.025	mg/Kg wet							
LCS (B185635-BS1)				Prepared: 09/06/17 Analyzed: 09/07/17						
Mercury	10.2	1.9	mg/Kg wet	9.36		109	73.7-126.3			
LCS Dup (B185635-BSD1)				Prepared: 09/06/17 Analyzed: 09/07/17						
Mercury	10.3	1.9	mg/Kg wet	9.36		110	73.7-126.3	0.571	30	
Batch B185638 - SW-846 3050B										
Blank (B185638-BLK1)				Prepared: 09/06/17 Analyzed: 09/08/17						
Antimony	ND	2.5	mg/Kg wet							
Arsenic	ND	2.5	mg/Kg wet							
Barium	ND	2.5	mg/Kg wet							
Beryllium	ND	0.25	mg/Kg wet							
Cadmium	ND	0.25	mg/Kg wet							
Chromium	ND	0.50	mg/Kg wet							
Copper	ND	0.50	mg/Kg wet							
Lead	ND	0.75	mg/Kg wet							
Nickel	ND	0.50	mg/Kg wet							
Selenium	ND	5.0	mg/Kg wet							
Silver	ND	0.50	mg/Kg wet							
Thallium	ND	2.5	mg/Kg wet							
Vanadium	ND	1.0	mg/Kg wet							
Zinc	ND	1.0	mg/Kg wet							
LCS (B185638-BS1)				Prepared: 09/06/17 Analyzed: 09/08/17						
Antimony	59.9	5.1	mg/Kg wet	146		41.0	0-210.3			
Arsenic	143	5.1	mg/Kg wet	157		90.9	77.8-122.1			
Barium	316	5.1	mg/Kg wet	339		93.3	82-117.4			
Beryllium	55.8	0.51	mg/Kg wet	58.3		95.8	82.3-117.7			
Cadmium	188	0.51	mg/Kg wet	216		86.9	81.9-118.2			
Chromium	84.5	1.0	mg/Kg wet	88.9		95.1	78.7-120.6			
Copper	183	1.0	mg/Kg wet	184		99.6	80.4-119.6			
Lead	91.0	1.5	mg/Kg wet	94.3		96.4	82.4-117.8			
Nickel	137	1.0	mg/Kg wet	154		88.8	82.2-117.8			
Selenium	186	10	mg/Kg wet	207		89.7	77.1-122.3			
Silver	41.4	1.0	mg/Kg wet	43.8		94.6	74.3-125.4			
Thallium	146	5.1	mg/Kg wet	167		87.6	78.2-121.6			
Vanadium	86.1	2.0	mg/Kg wet	100		86.1	64.8-135.2			
Zinc	188	2.0	mg/Kg wet	209		89.9	79.7-120.8			

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QUALITY CONTROL

Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B185638 - SW-846 3050B										
LCS Dup (B185638-BSD1)				Prepared: 09/06/17 Analyzed: 09/08/17						
Antimony	54.4	5.0	mg/Kg wet	146		37.2	0-210.3	9.75	30	
Arsenic	142	5.0	mg/Kg wet	157		90.5	77.8-122.1	0.506	30	
Barium	311	5.0	mg/Kg wet	339		91.7	82-117.4	1.65	30	
Beryllium	54.6	0.50	mg/Kg wet	58.3		93.6	82.3-117.7	2.24	30	
Cadmium	187	0.50	mg/Kg wet	216		86.4	81.9-118.2	0.524	30	
Chromium	82.9	1.0	mg/Kg wet	88.9		93.2	78.7-120.6	1.95	30	
Copper	178	1.0	mg/Kg wet	184		96.6	80.4-119.6	3.08	30	
Lead	90.7	1.5	mg/Kg wet	94.3		96.1	82.4-117.8	0.323	30	
Nickel	134	1.0	mg/Kg wet	154		87.1	82.2-117.8	1.92	30	
Selenium	188	10	mg/Kg wet	207		90.8	77.1-122.3	1.18	30	
Silver	40.8	1.0	mg/Kg wet	43.8		93.2	74.3-125.4	1.51	30	
Thallium	146	5.0	mg/Kg wet	167		87.7	78.2-121.6	0.122	30	
Vanadium	85.7	2.0	mg/Kg wet	100		85.7	64.8-135.2	0.423	30	
Zinc	185	2.0	mg/Kg wet	209		88.7	79.7-120.8	1.42	30	
MRL Check (B185638-MRL1)				Prepared: 09/06/17 Analyzed: 09/08/17						
Lead	0.595	0.72	mg/Kg wet	0.719		82.8	80-120			
Batch B185847 - SW-846 3005A										
Blank (B185847-BLK1)				Prepared: 09/08/17 Analyzed: 09/11/17						
Antimony	ND	5.0	µg/L							
Arsenic	ND	2.0	µg/L							
Barium	ND	50	µg/L							
Beryllium	ND	2.0	µg/L							
Cadmium	ND	2.5	µg/L							
Chromium	ND	5.0	µg/L							
Copper	ND	25	µg/L							
Lead	ND	5.0	µg/L							
Nickel	ND	25	µg/L							
Selenium	ND	25	µg/L							
Silver	ND	2.5	µg/L							
Thallium	ND	1.0	µg/L							
Vanadium	ND	25	µg/L							
Zinc	ND	50	µg/L							
LCS (B185847-BS1)				Prepared: 09/08/17 Analyzed: 09/11/17						
Antimony	258	5.0	µg/L	250		103	80-120			
Arsenic	259	2.0	µg/L	250		104	80-120			
Barium	256	50	µg/L	250		102	80-120			
Beryllium	245	2.0	µg/L	250		97.8	80-120			
Cadmium	254	2.5	µg/L	250		102	80-120			
Chromium	254	5.0	µg/L	250		101	80-120			
Copper	257	25	µg/L	250		103	80-120			
Lead	245	5.0	µg/L	250		97.9	80-120			
Nickel	257	25	µg/L	250		103	80-120			
Selenium	253	25	µg/L	250		101	80-120			
Silver	268	2.5	µg/L	250		107	80-120			
Thallium	241	1.0	µg/L	250		96.3	80-120			
Vanadium	231	25	µg/L	250		92.5	80-120			
Zinc	260	50	µg/L	250		104	80-120			

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QUALITY CONTROL

Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B185847 - SW-846 3005A										
LCS Dup (B185847-BSD1)				Prepared: 09/08/17 Analyzed: 09/11/17						
Antimony	264	5.0	µg/L	250		106	80-120	2.24	20	
Arsenic	255	2.0	µg/L	250		102	80-120	1.54	20	
Barium	262	50	µg/L	250		105	80-120	2.25	20	
Beryllium	251	2.0	µg/L	250		100	80-120	2.57	20	
Cadmium	259	2.5	µg/L	250		104	80-120	1.88	20	
Chromium	253	5.0	µg/L	250		101	80-120	0.406	20	
Copper	256	25	µg/L	250		102	80-120	0.363	20	
Lead	250	5.0	µg/L	250		100	80-120	2.32	20	
Nickel	256	25	µg/L	250		102	80-120	0.302	20	
Selenium	251	25	µg/L	250		101	80-120	0.781	20	
Silver	275	2.5	µg/L	250		110	80-120	2.68	20	
Thallium	251	1.0	µg/L	250		100	80-120	4.04	20	
Vanadium	232	25	µg/L	250		92.7	80-120	0.207	20	
Zinc	259	50	µg/L	250		103	80-120	0.591	20	

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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 B185578 - % Solids										
Duplicate (B185578-DUP4)		**Source: 17H1675-01**		Prepared: 09/06/17 Analyzed: 09/07/17						
% Solids	92.7		% Wt		91.4			1.41	20	
Duplicate (B185578-DUP5)		**Source: 17H1675-02**		Prepared: 09/06/17 Analyzed: 09/07/17						
% Solids	92.4		% Wt		91.9			0.543	20	
Duplicate (B185578-DUP6)		**Source: 17H1675-03**		Prepared: 09/06/17 Analyzed: 09/07/17						
% Solids	91.6		% Wt		89.7			2.10	20	

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC13-SO-33

Lab Sample ID: 17H1675-01 Date(s) Analyzed: 09/13/2017 09/13/2017

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-1260	1	0.000	-0.030	0.030	0.16	
	2	0.000	-0.030	0.030	0.17	6.1

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC13-SO-34

Lab Sample ID: 17H1675-02

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

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-1260	1	0.000	-0.030	0.030	0.24	
	2	0.000	-0.030	0.030	0.24	0.0

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

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC13-SO-35

Lab Sample ID: 17H1675-03

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

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-1260	1	0.000	-0.030	0.030	0.20	
	2	0.000	-0.030	0.030	0.21	4.9

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC13-SO-36

Lab Sample ID: 17H1675-04

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

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-1260	1	0.000	-0.030	0.030	0.60	
	2	0.000	-0.030	0.030	0.61	1.7

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC13-SO-37

Lab Sample ID: 17H1675-05

Date(s) Analyzed: 09/14/2017 09/14/2017

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-1260	1	0.000	-0.030	0.030	6.2	
	2	0.000	-0.030	0.030	6.2	0.0

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC13-SO-38

Lab Sample ID: 17H1675-06

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

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-1260	1	0.000	-0.030	0.030	0.31	
	2	0.000	-0.030	0.030	0.32	3.2

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC13-SO-39

Lab Sample ID: 17H1675-07

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

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-1260	1	0.000	-0.030	0.030	0.14	
	2	0.000	-0.030	0.030	0.13	7.4

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

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC7-SO-17-0

Lab Sample ID: 17H1675-08

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

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-1260	1	0.000	-0.030	0.030	0.094	
	2	0.000	-0.030	0.030	0.096	2.1

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

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC7-SO-18-0

Lab Sample ID: 17H1675-09

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

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-1260	1	0.000	-0.030	0.030	0.86	
	2	0.000	-0.030	0.030	0.85	2.3

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC8-SO-3-0

Lab Sample ID: 17H1675-12 Date(s) Analyzed: 09/13/2017 09/13/2017

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-1260	1	0.000	-0.030	0.030	0.31	
	2	0.000	-0.030	0.030	0.31	0.0

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

SW-846 8082A

WS-AOC9-SO-45-0

Lab Sample ID: 17H1675-13

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

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-1260	1	0.000	-0.030	0.030	0.27	
	2	0.000	-0.030	0.030	0.26	3.8

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

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC8-SE-25

Lab Sample ID: 17H1675-14

Date(s) Analyzed: 09/14/2017 09/14/2017

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-1260	1	0.000	-0.030	0.030	2.4	
	2	0.000	-0.030	0.030	2.4	0.0

con-test® ANALYTICAL LABORATORY

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC10-SE-15

Lab Sample ID: 17H1675-15

Date(s) Analyzed: 09/14/2017 09/14/2017

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-1260	1	0.000	-0.030	0.030	440	
	2	0.000	-0.030	0.030	430	2.3

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS

Lab Sample ID: B185770-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	0.49	
	2	0.000	0.000	0.000	0.54	9.7
Aroclor-1260	1	0.000	0.000	0.000	0.49	
	2	0.000	0.000	0.000	0.48	2.1

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS Dup

Lab Sample ID: B185770-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	0.52	
	2	0.000	0.000	0.000	0.55	5.6
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

Lab Sample ID: B185858-BS1

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

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	-0.030	0.030	0.18	
	2	0.000	-0.030	0.030	0.19	5.4
Aroclor-1260	1	0.000	-0.030	0.030	0.16	
	2	0.000	-0.030	0.030	0.16	0.0

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS Dup

Lab Sample ID: B185858-BSD1 Date(s) Analyzed: 09/13/2017 09/13/2017

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	-0.030	0.030	0.19	
	2	0.000	-0.030	0.030	0.19	0.0
Aroclor-1260	1	0.000	-0.030	0.030	0.16	
	2	0.000	-0.030	0.030	0.16	6.1

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

Matrix Spike

Lab Sample ID: B185858-MS1

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

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	-0.030	0.030	0.24	
	2	0.000	-0.030	0.030	0.23	4.3
Aroclor-1260	1	0.000	-0.030	0.030	0.41	
	2	0.000	-0.030	0.030	0.39	5.0

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

Matrix Spike Dup

Lab Sample ID: B185858-MSD1

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

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	-0.030	0.030	0.24	
	2	0.000	-0.030	0.030	0.23	4.3
Aroclor-1260	1	0.000	-0.030	0.030	0.38	
	2	0.000	-0.030	0.030	0.37	2.7

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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-04	Elevated reporting limit due to high concentration of an interfering analyte(s).
E	Reported result is estimated. Value reported over verified calibration range.
L-01	Laboratory fortified blank /laboratory control sample recovery outside of control limits. Data validation is not affected since all results are "not detected" for all samples in this batch for this compound and bias is on the high side.
L-04	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side.
RL-03	Elevated reporting limit based on lowest point in calibration. Requested reporting limit not met.
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-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.
V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
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
SW-846 6010C-D in Soil	
Antimony	CT,NH,NY,ME,VA,NC
Arsenic	CT,NH,NY,ME,VA,NC
Barium	CT,NH,NY,ME,VA,NC
Beryllium	CT,NH,NY,ME,VA,NC
Cadmium	CT,NH,NY,ME,VA,NC
Chromium	CT,NH,NY,ME,VA,NC
Copper	CT,NH,NY,ME,VA,NC
Lead	CT,NH,NY,AIHA,ME,VA,NC
Nickel	CT,NH,NY,ME,VA,NC
Selenium	CT,NH,NY,ME,VA,NC
Silver	CT,NH,NY,ME,VA,NC
Thallium	CT,NH,NY,ME,VA,NC
Vanadium	CT,NH,NY,ME,VA,NC
Zinc	CT,NH,NY,ME,VA,NC
SW-846 6020A-B in Water	
Antimony	CT,NH,NY,ME,VA,NC
Arsenic	CT,NH,NY,ME,VA,NC
Barium	CT,NH,NY,ME,VA,NC
Beryllium	CT,NH,NY,ME,VA,NC
Cadmium	CT,NH,NY,RI,ME,VA,NC
Chromium	CT,NH,NY,ME,VA,NC
Copper	CT,NH,NY,ME,VA,NC
Lead	CT,NH,NY,ME,VA,NC
Nickel	CT,NH,NY,ME,VA,NC
Selenium	CT,NH,NY,ME,VA,NC
Silver	CT,NH,NY,ME,VA,NC
Thallium	CT,NH,NY,ME,VA,NC
Vanadium	CT,NH,NY,ME,VA,NC
Zinc	CT,NH,NY,ME,VA,NC
SW-846 7470A in Water	
Mercury	CT,NH,NY,NC,ME,VA
SW-846 7471B in Soil	
Mercury	CT,NH,NY,NC,ME,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

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8082A in Soil	
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 8260C in Soil	
Acetone	CT,NH,NY,ME
Acrylonitrile	CT,NH,NY,ME
Benzene	CT,NH,NY,ME
Bromobenzene	NH,NY,ME
Bromodichloromethane	CT,NH,NY,ME
Bromoform	CT,NH,NY,ME
Bromomethane	CT,NH,NY,ME
2-Butanone (MEK)	CT,NH,NY,ME
n-Butylbenzene	CT,NH,NY,ME
sec-Butylbenzene	CT,NH,NY,ME
tert-Butylbenzene	CT,NH,NY,ME
Carbon Disulfide	CT,NH,NY,ME
Carbon Tetrachloride	CT,NH,NY,ME
Chlorobenzene	CT,NH,NY,ME
Chlorodibromomethane	CT,NH,NY,ME

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8260C in Soil	
Chloroethane	CT,NH,NY,ME
Chloroform	CT,NH,NY,ME
Chloromethane	CT,NH,NY,ME
2-Chlorotoluene	CT,NH,NY,ME
4-Chlorotoluene	CT,NH,NY,ME
Dibromomethane	NH,NY,ME
1,2-Dichlorobenzene	CT,NH,NY,ME
1,3-Dichlorobenzene	CT,NH,NY,ME
1,4-Dichlorobenzene	CT,NH,NY,ME
trans-1,4-Dichloro-2-butene	NY
Dichlorodifluoromethane (Freon 12)	NY,ME
1,1-Dichloroethane	CT,NH,NY,ME
1,2-Dichloroethane	CT,NH,NY,ME
1,1-Dichloroethylene	CT,NH,NY,ME
cis-1,2-Dichloroethylene	CT,NH,NY,ME
trans-1,2-Dichloroethylene	CT,NH,NY,ME
1,2-Dichloropropane	CT,NH,NY,ME
1,3-Dichloropropane	NH,NY,ME
2,2-Dichloropropane	NH,NY,ME
1,1-Dichloropropene	NH,NY,ME
cis-1,3-Dichloropropene	CT,NH,NY,ME
trans-1,3-Dichloropropene	CT,NH,NY,ME
Ethylbenzene	CT,NH,NY,ME
Hexachlorobutadiene	NH,NY,ME
2-Hexanone (MBK)	CT,NH,NY,ME
Isopropylbenzene (Cumene)	CT,NH,NY,ME
p-Isopropyltoluene (p-Cymene)	NH,NY
Methyl tert-Butyl Ether (MTBE)	NH,NY
Methylene Chloride	CT,NH,NY,ME
4-Methyl-2-pentanone (MIBK)	CT,NH,NY
Naphthalene	NH,NY,ME
n-Propylbenzene	NH,NY
Styrene	CT,NH,NY,ME
1,1,1,2-Tetrachloroethane	CT,NH,NY,ME
1,1,2,2-Tetrachloroethane	CT,NH,NY,ME
Tetrachloroethylene	CT,NH,NY,ME
Toluene	CT,NH,NY,ME
1,2,4-Trichlorobenzene	NH,NY,ME
1,1,1-Trichloroethane	CT,NH,NY,ME
1,1,2-Trichloroethane	CT,NH,NY,ME
Trichloroethylene	CT,NH,NY,ME
Trichlorofluoromethane (Freon 11)	CT,NH,NY,ME
1,2,3-Trichloropropane	NH,NY,ME
1,2,4-Trimethylbenzene	CT,NH,NY,ME
1,3,5-Trimethylbenzene	CT,NH,NY,ME
Vinyl Chloride	CT,NH,NY,ME
m+p Xylene	CT,NH,NY,ME

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8260C in Soil	
o-Xylene	CT,NH,NY,ME
SW-846 8260C in Water	
Acetone	CT,NH,NY,ME
Acrylonitrile	CT,NY,ME
Benzene	CT,NH,NY,ME
Bromobenzene	NY
Bromodichloromethane	CT,NH,NY,ME
Bromoform	CT,NH,NY,ME
Bromomethane	CT,NH,NY,ME
2-Butanone (MEK)	CT,NH,NY,ME
n-Butylbenzene	NY,ME
sec-Butylbenzene	NY,ME
tert-Butylbenzene	NY,ME
Carbon Disulfide	CT,NH,NY,ME
Carbon Tetrachloride	CT,NH,NY,ME
Chlorobenzene	CT,NH,NY,ME
Chlorodibromomethane	CT,NH,NY,ME
Chloroethane	CT,NH,NY,ME
Chloroform	CT,NH,NY,ME
Chloromethane	CT,NH,NY,ME
2-Chlorotoluene	NY,ME
4-Chlorotoluene	NY,ME
Dibromomethane	NH,NY,ME
1,2-Dichlorobenzene	CT,NY,ME
1,3-Dichlorobenzene	CT,NH,NY,ME
1,4-Dichlorobenzene	CT,NH,NY,ME
trans-1,4-Dichloro-2-butene	NH,NY,ME
Dichlorodifluoromethane (Freon 12)	NH,NY,ME
1,1-Dichloroethane	CT,NH,NY,ME
1,2-Dichloroethane	CT,NH,NY,ME
1,1-Dichloroethylene	CT,NH,NY,ME
cis-1,2-Dichloroethylene	NY,ME
trans-1,2-Dichloroethylene	CT,NH,NY,ME
1,2-Dichloropropane	CT,NH,NY,ME
1,3-Dichloropropane	NY,ME
2,2-Dichloropropane	NH,NY,ME
1,1-Dichloropropene	NH,NY,ME
cis-1,3-Dichloropropene	CT,NH,NY,ME
trans-1,3-Dichloropropene	CT,NH,NY,ME
Ethylbenzene	CT,NH,NY,ME
Hexachlorobutadiene	CT,NH,NY,ME
2-Hexanone (MBK)	CT,NH,NY,ME
Isopropylbenzene (Cumene)	NY,ME
p-Isopropyltoluene (p-Cymene)	CT,NH,NY,ME
Methyl tert-Butyl Ether (MTBE)	CT,NH,NY,ME
Methylene Chloride	CT,NH,NY,ME

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8260C in Water	
4-Methyl-2-pentanone (MIBK)	CT,NH,NY,ME
Naphthalene	NH,NY,ME
n-Propylbenzene	CT,NH,NY,ME
Styrene	CT,NH,NY,ME
1,1,1,2-Tetrachloroethane	CT,NH,NY,ME
1,1,2,2-Tetrachloroethane	CT,NH,NY,ME
Tetrachloroethylene	CT,NH,NY,ME
Toluene	CT,NH,NY,ME
1,2,3-Trichlorobenzene	NH,NY,ME
1,2,4-Trichlorobenzene	CT,NH,NY,ME
1,1,1-Trichloroethane	CT,NH,NY,ME
1,1,2-Trichloroethane	CT,NH,NY,ME
Trichloroethylene	CT,NH,NY,ME
Trichlorofluoromethane (Freon 11)	CT,NH,NY,ME
1,2,3-Trichloropropane	NH,NY,ME
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	NY
1,2,4-Trimethylbenzene	NY,ME
1,3,5-Trimethylbenzene	NY,ME
Vinyl Chloride	CT,NH,NY,ME
m+p Xylene	NH,NY,ME
o-Xylene	NH,NY,ME
SW-846 8270D in Soil	
Acenaphthene	CT,NY,NH
Acenaphthylene	CT,NY,NH
Aniline	NY,NH
Anthracene	CT,NY,NH
Benzo(a)anthracene	CT,NY,NH
Benzo(a)pyrene	CT,NY,NH
Benzo(b)fluoranthene	CT,NY,NH
Benzo(g,h,i)perylene	CT,NY,NH
Benzo(k)fluoranthene	CT,NY,NH
Bis(2-chloroethoxy)methane	CT,NY,NH
Bis(2-chloroethyl)ether	CT,NY,NH
Bis(2-chloroisopropyl)ether	CT,NY,NH
Bis(2-Ethylhexyl)phthalate	CT,NY,NH
4-Bromophenylphenylether	CT,NY,NH
Butylbenzylphthalate	CT,NY,NH
4-Chloroaniline	CT,NY,NH
4-Chloro-3-methylphenol	CT,NY,NH
2-Chloronaphthalene	CT,NY,NH
2-Chlorophenol	CT,NY,NH
4-Chlorophenylphenylether	CT,NY,NH
Chrysene	CT,NY,NH
Dibenz(a,h)anthracene	CT,NY,NH
Dibenzofuran	CT,NY,NH
Di-n-butylphthalate	CT,NY,NH

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8270D in Soil	
1,2-Dichlorobenzene	NY,NH
1,3-Dichlorobenzene	NY,NH
1,4-Dichlorobenzene	NY,NH
3,3-Dichlorobenzidine	CT,NY,NH
2,4-Dichlorophenol	CT,NY,NH
Diethylphthalate	CT,NY,NH
2,4-Dimethylphenol	CT,NY,NH
Dimethylphthalate	CT,NY,NH
4,6-Dinitro-2-methylphenol	CT,NY,NH
2,4-Dinitrophenol	CT,NY,NH
2,4-Dinitrotoluene	CT,NY,NH
2,6-Dinitrotoluene	CT,NY,NH
Di-n-octylphthalate	CT,NY,NH
Fluoranthene	CT,NY,NH
Fluorene	NY,NH
Hexachlorobenzene	CT,NY,NH
Hexachlorobutadiene	CT,NY,NH
Hexachlorocyclopentadiene	CT,NY,NH
Hexachloroethane	CT,NY,NH
Indeno(1,2,3-cd)pyrene	CT,NY,NH
Isophorone	CT,NY,NH
2-Methylnaphthalene	CT,NY,NH
2-Methylphenol	CT,NY,NH
3/4-Methylphenol	CT,NY,NH
Naphthalene	CT,NY,NH
2-Nitroaniline	CT,NY,NH
3-Nitroaniline	CT,NY,NH
4-Nitroaniline	CT,NY,NH
Nitrobenzene	CT,NY,NH
2-Nitrophenol	CT,NY,NH
4-Nitrophenol	CT,NY,NH
N-Nitrosodiphenylamine	CT,NY,NH
N-Nitrosodi-n-propylamine	CT,NY,NH
Pentachloronitrobenzene	NY
Pentachlorophenol	CT,NY,NH
Phenanthrene	CT,NY,NH
Phenol	CT,NY,NH
Pyrene	CT,NY,NH
Pyridine	CT,NY,NH
1,2,4,5-Tetrachlorobenzene	NY
1,2,4-Trichlorobenzene	CT,NY,NH
2,4,5-Trichlorophenol	CT,NY,NH
2,4,6-Trichlorophenol	CT,NY,NH
SW-846 8270D in Water	
Acenaphthene	CT,NY,NH
Acenaphthylene	CT,NY,NH

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8270D in Water	
Aniline	CT,NY
Anthracene	CT,NY,NH
Benzo(a)anthracene	CT,NY,NH
Benzo(a)pyrene	CT,NY,NH
Benzo(b)fluoranthene	CT,NY,NH
Benzo(g,h,i)perylene	CT,NY,NH
Benzo(k)fluoranthene	CT,NY,NH
Bis(2-chloroethoxy)methane	CT,NY,NH
Bis(2-chloroethyl)ether	CT,NY,NH
Bis(2-chloroisopropyl)ether	CT,NY,NH
Bis(2-Ethylhexyl)phthalate	CT,NY,NH
4-Bromophenylphenylether	CT,NY,NH
Butylbenzylphthalate	CT,NY,NH
4-Chloroaniline	CT,NY,NH
4-Chloro-3-methylphenol	CT,NY,NH
2-Chloronaphthalene	CT,NY,NH
2-Chlorophenol	CT,NY,NH
4-Chlorophenylphenylether	CT,NY,NH
Chrysene	CT,NY,NH
Dibenz(a,h)anthracene	CT,NY,NH
Dibenzofuran	CT,NY,NH
Di-n-butylphthalate	CT,NY,NH
1,2-Dichlorobenzene	NY
1,3-Dichlorobenzene	NY
1,4-Dichlorobenzene	NY
3,3-Dichlorobenzidine	CT,NY,NH
2,4-Dichlorophenol	CT,NY,NH
Diethylphthalate	CT,NY,NH
2,4-Dimethylphenol	CT,NY,NH
Dimethylphthalate	CT,NY,NH
4,6-Dinitro-2-methylphenol	CT,NY,NH
2,4-Dinitrophenol	CT,NY,NH
2,4-Dinitrotoluene	CT,NY,NH
2,6-Dinitrotoluene	CT,NY,NH
Di-n-octylphthalate	CT,NY,NH
Fluoranthene	CT,NY,NH
Fluorene	NY,NH
Hexachlorobenzene	CT,NY,NH
Hexachlorobutadiene	CT,NY,NH
Hexachlorocyclopentadiene	CT,NY,NH
Hexachloroethane	CT,NY,NH
Indeno(1,2,3-cd)pyrene	CT,NY,NH
Isophorone	CT,NY,NH
2-Methylnaphthalene	CT,NY,NH
2-Methylphenol	CT,NY,NH
3/4-Methylphenol	CT,NY,NH
Naphthalene	CT,NY,NH

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 Water	
2-Nitroaniline	CT,NY,NH
3-Nitroaniline	CT,NY,NH
4-Nitroaniline	CT,NY,NH
Nitrobenzene	CT,NY,NH
2-Nitrophenol	CT,NY,NH
4-Nitrophenol	CT,NY,NH
N-Nitrosodiphenylamine	CT,NY,NH
N-Nitrosodi-n-propylamine	CT,NY,NH
Pentachlorophenol	CT,NY,NH
Phenanthrene	CT,NY,NH
Phenol	CT,NY,NH
Pyrene	CT,NY,NH
Pyridine	CT,NY,NH
1,2,4,5-Tetrachlorobenzene	NY
1,2,4-Trichlorobenzene	CT,NY,NH
2,4,5-Trichlorophenol	CT,NY,NH
2,4,6-Trichlorophenol	CT,NY,NH

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

17H1675

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con-test ANALYTICAL LABORATORY

Phone: 413-525-2332
Fax: 413-525-6405
Email: info@contestlabs.com

CHAIN OF CUSTODY RECORD

39 Spruce Street
East Longmeadow, MA 01028

Page 1 of 2

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 (Soxhlet)											# of Containers
								I											[2] Preservation Code
								A											[3] Container Code
1	WS-AOC13-SO-33	8/31/17	1000		X	S	U	X											
2	WS-AOC13-SO-34		1010					X											
3	WS-AOC13-SO-35		1020					X											
4	WS-AOC13-SO-36		1030					X											
5	WS-AOC13-SO-37		1040					X											
6	WS-AOC13-SO-38		1050					X											
7	WS-AOC13-SO-39		1100					X											
8	WS-AOC7-SO-17-0		1110					X											
9	WS-AOC7-SO-18-0		1115					X											
10	WS-AOC7-SO-19-0		1120					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) 8/31/17	Date/Time:
Received by: (signature)	Date/Time: 8/31/17 1525
Relinquished by: (signature)	Date/Time: 9/1/17 950
Received by: (signature) 9/1/17 9:50	Date/Time: 36 4.3
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 # _____
WG 9/1/17
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
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 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 #:

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	[1]Matrix Code	Conc Code	PCBs (soxhlet)	ETPH	SVOCs	RSR 15 metals	VOCs								# of Containers	[2] Preservation Code	[3] Container Code
																				1	I	A
11	WS-AOC7-SO-20-0	8/31/17	1130		X	S	U	X														
12	WS-AOC8-SO-3-0	↓	1140		↓	↓	↓	X														
13	WS-AOC9-SO-45-0	↓	1200		↓	↓	↓	X														
14	WS-AOC8-SE-25	↓	1230		↓	↓	↓	X	X	X	X	X										
15	WS-AOC10-SE-15	↓	1300		↓	↓	↓	X														
16	TRIP BLANK	↓	—		↓	↓	↓					X										
17	Equipment Blank-58	↓	0800		↓	W	↓	X	X	X	X	X										

ANALYSIS REQUESTED

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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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:
8/31/17	
Received by: (signature)	Date/Time:
	8/31/17
Relinquished by: (signature)	Date/Time:
	9/1/17 950
Received by: (signature) S.6/4.3 9:50	Date/Time: 9/1/17
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 # _____

WG 9/1/17
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 WCG Date 9/1/17 Time 9:50

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 - 3.6°C/4.3°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? T On COC? T
Do all samples have the proper pH? Acid T Base N/A

Vials	#	Containers:	#		#		#
Unp-	3	1 Liter Amb.	6	1 Liter Plastic		16 oz Amb.	
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear	3
Meoh-	2	250 mL Amb.		250 mL Plastic	1	4oz Amb/Clear	14
Bisulfate-		Col./Bacteria		Flashpoint		2oz Amb/Clear	
DI-	4	Other Plastic		Other Glass		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen: WG 9/1/17	
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.SEC\A0912075.D

CT ETPH DISCRIMINATION CHECK

Date Acquired	9/13/17
Data File Name	A0912075.D
Sample Name	ETPH 1500
Instrument Name	5890DFID

Compound	Ret Time	Target Response	Average Response	*%D +/- 20
c - 9	1.28	644321	668772	-4
c - 10	1.63	652986	668772	-2
c - 12	2.35	670312	668772	0
c - 14	3.01	682330	668772	2
c - 16	3.61	695447	668772	4
c - 18	4.23	684583	668772	2
o-Terphenyl	4.51	758044	668772	
c - 20	4.83	689892	668772	3
c - 22	5.34	696936	668772	4
c - 24	5.77	646118	668772	-3
c - 26	6.16	678125	668772	1
c - 28	6.52	667022	668772	0
c - 30	6.85	664475	668772	-1
c - 32	7.16	650625	668772	-3
c - 34	7.45	653920	668772	-2
c - 36	7.77	654488	668772	-2

* One compound allowed %D <= 50%

Samples
17H1675-14
17I0196-01

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: 17H1675

Laboratory Sample ID(s):

17H1675-01 thru 17H1675-17

Sample Date(s):

08/31/2017

List RCP Methods Used:

CTDEP ETPH, SW-846 6010C-D, SW-846 6020A-B, SW-846 7470A, SW-846 7471B, SW-846 8082A, SW-846 8260C, 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 26, 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: 17I0462

Enclosed are results of analyses for samples received by the laboratory on September 12, 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: 9/26/2017

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 2170495

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 17I0462

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-10-SO-1-1	17I0462-01	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 6010C-D	
				SW-846 7471B	
				SW-846 8082A	
				SW-846 8270D	
WS-AOC-10-SO-1-2	17I0462-02	Soil		SM 2540G	
				SW-846 8082A	
				SW-846 8260C	
WS-AOC-10-SO-1-3	17I0462-03	Soil		SM 2540G	
				SW-846 8082A	
WS-AOC-10-SO-2-1	17I0462-04	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 6010C-D	
				SW-846 7471B	
				SW-846 8082A	
				SW-846 8270D	
WS-AOC-10-SO-2-2	17I0462-05	Soil		SM 2540G	
				SW-846 8082A	
				SW-846 8260C	
WS-AOC-10-SO-2-3	17I0462-06	Soil		SM 2540G	
				SW-846 8082A	
WS-AOC-8-SO-6-1	17I0462-07	Soil		SM 2540G	
				SW-846 8082A	
WS-AOC-8-SO-6-2	17I0462-08	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 8082A	
				SW-846 8270D	
WS-AOC-8-SO-6-3	17I0462-09	Soil		SM 2540G	
				SW-846 8082A	
WS-AOC-8-SO-6-4	17I0462-10	Soil		SM 2540G	
				SW-846 8082A	
WS-AOC-10-SO-20-1	17I0462-11	Soil		SM 2540G	
				SW-846 8082A	
WS-AOC-10-SO-20-2	17I0462-12	Soil		SM 2540G	
				SW-846 8082A	
WS-AOC-10-SO-20-3	17I0462-13	Soil		SM 2540G	
				SW-846 8082A	
WS-AOC-10-SO-16-1	17I0462-14	Soil		SM 2540G	
				SW-846 8082A	

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

REPORT DATE: 9/26/2017

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 2170495

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 17I0462

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-10-SO-16-2	17I0462-15	Soil		SM 2540G	
				SW-846 8082A	
WS-AOC-10-SO-16-3	17I0462-16	Soil		SM 2540G	
				SW-846 8082A	
WS-AOC-10-SO-17-1	17I0462-17	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 8082A	
WS-AOC-10-SO-17-2	17I0462-18	Soil		SM 2540G	
				SW-846 8082A	
				SW-846 8270D	
WS-AOC-10-SO-17-3	17I0462-19	Soil		SM 2540G	
				SW-846 8082A	
WS-AOC-10-SO-31-1	17I0462-20	Soil		CTDEP ETPH	
				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.

For method 8270, only PAHs were requested and reported.

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SW-846 8260C

Qualifications:

L-01

Laboratory fortified blank /laboratory control sample recovery outside of control limits. Data validation is not affected since all results are "not detected" for all samples in this batch for this compound and bias is on the high side.

Analyte & Samples(s) Qualified:

Trichlorofluoromethane (Freon 11)

B186197-BS1

V-16

Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.

Analyte & Samples(s) Qualified:

Tetrahydrofuran

17I0462-02[WS-AOC-10-SO-1-2], 17I0462-05[WS-AOC-10-SO-2-2], B186197-BLK1, B186197-BS1

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:

trans-1,2-Dichloroethylene

B186197-BS1

Trichlorofluoromethane (Freon 11)

B186197-BS1

SW-846 8270D

Qualifications:

L-04

Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side.

Analyte & Samples(s) Qualified:

4-Chloroaniline

17I0462-01[WS-AOC-10-SO-1-1], 17I0462-04[WS-AOC-10-SO-2-1], 17I0462-18[WS-AOC-10-SO-17-2], B186451-BLK1, B186451-BS1, B186451-BSD1

Aniline

17I0462-01[WS-AOC-10-SO-1-1], 17I0462-04[WS-AOC-10-SO-2-1], 17I0462-18[WS-AOC-10-SO-17-2], B186451-BLK1, B186451-BS1, B186451-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:

Hexachlorocyclopentadiene

17I0462-01[WS-AOC-10-SO-1-1], 17I0462-04[WS-AOC-10-SO-2-1], 17I0462-18[WS-AOC-10-SO-17-2], B186451-BLK1, B186451-BS1, B186451-BSD1

V-16

Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.

Analyte & Samples(s) Qualified:

Pentachloronitrobenzene

17I0462-01[WS-AOC-10-SO-1-1], 17I0462-04[WS-AOC-10-SO-2-1], 17I0462-18[WS-AOC-10-SO-17-2], B186451-BLK1, B186451-BS1, B186451-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:

Pentachloronitrobenzene

17I0462-01[WS-AOC-10-SO-1-1], 17I0462-04[WS-AOC-10-SO-2-1], 17I0462-18[WS-AOC-10-SO-17-2], B186451-BLK1, B186451-BS1, B186451-BSD1

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SW-846 6010C/D SW-846 6020A/B

For NC, Metals methods SW-846 6010D and SW-846 6020B are followed, and for all other states methods SW-846 6010C and SW-846 6020A are followed.

SW-846 8270D

The LCS sample recoveries for required RCP 8270 compounds were all within control limits specified by the method, 40-140% for base/neutrals and 30-130% for acids except for "difficult analytes" listed below and/or otherwise listed in this narrative: Difficult analytes for soil - limits between 10 and 180% depending on the compound (see QC summary for limits): 3,3'-Dichlorobenzidine, Pyridine, Aniline, 4-Chloroaniline, 3-Nitroaniline, and n-Nitrosodiphenylamine.

All reporting limits specified on the chain-of-custody were met, except for Pyridine, 1,2,4,5-Tetrachlorobenzene and Pentachloronitrobenzene for the most protective criteria since the laboratory cannot achieve the required RCP calibration criteria at these levels unless otherwise listed in this narrative.

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: 17I0462

Date Received: 9/12/2017

Field Sample #: WS-AOC-10-SO-1-1 Sampled: 9/12/2017 10:53

Sample ID: 17I0462-01

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	0.19	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 12:54	BGL
Acenaphthylene	ND	0.19	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 12:54	BGL
Aniline	ND	0.38	mg/Kg dry	1	L-04	SW-846 8270D	9/18/17	9/19/17 12:54	BGL
Anthracene	ND	0.19	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 12:54	BGL
Benzo(a)anthracene	0.33	0.19	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 12:54	BGL
Benzo(a)pyrene	0.36	0.19	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 12:54	BGL
Benzo(b)fluoranthene	0.42	0.19	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 12:54	BGL
Benzo(g,h,i)perylene	0.30	0.19	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 12:54	BGL
Benzo(k)fluoranthene	ND	0.19	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 12:54	BGL
Bis(2-chloroethoxy)methane	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 12:54	BGL
Bis(2-chloroethyl)ether	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 12:54	BGL
Bis(2-chloroisopropyl)ether	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 12:54	BGL
Bis(2-Ethylhexyl)phthalate	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 12:54	BGL
4-Bromophenylphenylether	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 12:54	BGL
Butylbenzylphthalate	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 12:54	BGL
Carbazole	ND	0.19	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 12:54	BGL
4-Chloroaniline	ND	0.74	mg/Kg dry	1	L-04	SW-846 8270D	9/18/17	9/19/17 12:54	BGL
4-Chloro-3-methylphenol	ND	0.74	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 12:54	BGL
2-Chloronaphthalene	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 12:54	BGL
2-Chlorophenol	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 12:54	BGL
4-Chlorophenylphenylether	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 12:54	BGL
Chrysene	0.32	0.19	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 12:54	BGL
Dibenz(a,h)anthracene	ND	0.19	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 12:54	BGL
Dibenzofuran	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 12:54	BGL
Di-n-butylphthalate	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 12:54	BGL
3,3-Dichlorobenzidine	ND	0.19	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 12:54	BGL
2,4-Dichlorophenol	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 12:54	BGL
Diethylphthalate	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 12:54	BGL
2,4-Dimethylphenol	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 12:54	BGL
Dimethylphthalate	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 12:54	BGL
4,6-Dinitro-2-methylphenol	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 12:54	BGL
2,4-Dinitrophenol	ND	0.74	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 12:54	BGL
2,4-Dinitrotoluene	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 12:54	BGL
2,6-Dinitrotoluene	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 12:54	BGL
Di-n-octylphthalate	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 12:54	BGL
Fluoranthene	0.69	0.19	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 12:54	BGL
Fluorene	ND	0.19	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 12:54	BGL
Hexachlorobenzene	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 12:54	BGL
Hexachlorobutadiene	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 12:54	BGL
Hexachlorocyclopentadiene	ND	0.38	mg/Kg dry	1	V-05	SW-846 8270D	9/18/17	9/19/17 12:54	BGL
Hexachloroethane	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 12:54	BGL
Indeno(1,2,3-cd)pyrene	0.27	0.19	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 12:54	BGL
Isophorone	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 12:54	BGL
2-Methylnaphthalene	ND	0.19	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 12:54	BGL

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0462

Date Received: 9/12/2017

Field Sample #: WS-AOC-10-SO-1-1 Sampled: 9/12/2017 10:53

Sample ID: 17I0462-01

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Methylphenol	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 12:54	BGL
3/4-Methylphenol	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 12:54	BGL
Naphthalene	ND	0.19	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 12:54	BGL
2-Nitroaniline	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 12:54	BGL
3-Nitroaniline	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 12:54	BGL
4-Nitroaniline	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 12:54	BGL
Nitrobenzene	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 12:54	BGL
2-Nitrophenol	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 12:54	BGL
4-Nitrophenol	ND	0.74	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 12:54	BGL
N-Nitrosodiphenylamine	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 12:54	BGL
N-Nitrosodi-n-propylamine	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 12:54	BGL
Pentachloronitrobenzene	ND	0.38	mg/Kg dry	1	V-20, V-16	SW-846 8270D	9/18/17	9/19/17 12:54	BGL
Pentachlorophenol	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 12:54	BGL
Phenanthrene	0.38	0.19	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 12:54	BGL
Phenol	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 12:54	BGL
Pyrene	0.64	0.19	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 12:54	BGL
Pyridine	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 12:54	BGL
1,2,4,5-Tetrachlorobenzene	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 12:54	BGL
1,2,4-Trichlorobenzene	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 12:54	BGL
2,4,5-Trichlorophenol	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 12:54	BGL
2,4,6-Trichlorophenol	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 12:54	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	61.1	30-130		9/19/17 12:54
Phenol-d6	60.4	30-130		9/19/17 12:54
Nitrobenzene-d5	62.7	30-130		9/19/17 12:54
2-Fluorobiphenyl	70.9	30-130		9/19/17 12:54
2,4,6-Tribromophenol	84.4	30-130		9/19/17 12:54
p-Terphenyl-d14	74.7	30-130		9/19/17 12:54

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0462

Date Received: 9/12/2017

Field Sample #: WS-AOC-10-SO-1-1 Sampled: 9/12/2017 10:53

Sample ID: 17I0462-01

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	9/18/17	9/25/17 17:47	JMB
Aroclor-1221 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 17:47	JMB
Aroclor-1232 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 17:47	JMB
Aroclor-1242 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 17:47	JMB
Aroclor-1248 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 17:47	JMB
Aroclor-1254 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 17:47	JMB
Aroclor-1260 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 17:47	JMB
Aroclor-1262 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 17:47	JMB
Aroclor-1268 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 17:47	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	85.2	30-150		9/25/17 17:47
Decachlorobiphenyl [2]	93.4	30-150		9/25/17 17:47
Tetrachloro-m-xylene [1]	94.1	30-150		9/25/17 17:47
Tetrachloro-m-xylene [2]	94.5	30-150		9/25/17 17:47

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0462

Date Received: 9/12/2017

Field Sample #: WS-AOC-10-SO-1-1 Sampled: 9/12/2017 10:53

Sample ID: 17I0462-01

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	160	56	mg/Kg dry	5		CTDEP ETPH	9/19/17	9/21/17 0:14	SCS

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
o-Terphenyl	120	50-150		9/21/17 0:14

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0462

Date Received: 9/12/2017

Field Sample #: WS-AOC-10-SO-1-1 Sampled: 9/12/2017 10:53

Sample ID: 17I0462-01

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	ND	2.7	mg/Kg dry	1		SW-846 6010C-D	9/18/17	9/19/17 16:11	QNW
Arsenic	ND	2.7	mg/Kg dry	1		SW-846 6010C-D	9/18/17	9/19/17 16:11	QNW
Barium	44	2.7	mg/Kg dry	1		SW-846 6010C-D	9/18/17	9/19/17 16:11	QNW
Beryllium	ND	0.27	mg/Kg dry	1		SW-846 6010C-D	9/18/17	9/19/17 16:11	QNW
Cadmium	ND	0.27	mg/Kg dry	1		SW-846 6010C-D	9/18/17	9/19/17 16:11	QNW
Chromium	8.0	0.53	mg/Kg dry	1		SW-846 6010C-D	9/18/17	9/19/17 16:11	QNW
Copper	21	0.53	mg/Kg dry	1		SW-846 6010C-D	9/18/17	9/19/17 16:11	QNW
Lead	52	0.80	mg/Kg dry	1		SW-846 6010C-D	9/18/17	9/19/17 16:11	QNW
Mercury	0.098	0.028	mg/Kg dry	1		SW-846 7471B	9/18/17	9/19/17 9:36	TJK
Nickel	7.9	0.53	mg/Kg dry	1		SW-846 6010C-D	9/18/17	9/19/17 16:11	QNW
Selenium	ND	5.3	mg/Kg dry	1		SW-846 6010C-D	9/18/17	9/19/17 16:11	QNW
Silver	ND	0.53	mg/Kg dry	1		SW-846 6010C-D	9/18/17	9/19/17 16:11	QNW
Thallium	ND	2.7	mg/Kg dry	1		SW-846 6010C-D	9/18/17	9/19/17 16:11	QNW
Vanadium	30	1.1	mg/Kg dry	1		SW-846 6010C-D	9/18/17	9/19/17 16:11	QNW
Zinc	45	1.1	mg/Kg dry	1		SW-846 6010C-D	9/18/17	9/19/17 16:11	QNW

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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: 17I0462

Date Received: 9/12/2017

Field Sample #: WS-AOC-10-SO-1-1 Sampled: 9/12/2017 10:53

Sample ID: 17I0462-01

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	88.3		% Wt	1		SM 2540G	9/19/17	9/20/17 9:15	MRL

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0462

Date Received: 9/12/2017

Field Sample #: WS-AOC-10-SO-1-2 Sampled: 9/12/2017 10:54

Sample ID: 17I0462-02

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.067	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:19	MFF
Acrylonitrile	ND	0.0040	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:19	MFF
Benzene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:19	MFF
Bromobenzene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:19	MFF
Bromodichloromethane	ND	0.0013	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:19	MFF
Bromoform	ND	0.0013	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:19	MFF
Bromomethane	ND	0.0067	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:19	MFF
2-Butanone (MEK)	ND	0.027	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:19	MFF
n-Butylbenzene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:19	MFF
sec-Butylbenzene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:19	MFF
tert-Butylbenzene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:19	MFF
Carbon Disulfide	ND	0.0040	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:19	MFF
Carbon Tetrachloride	ND	0.0013	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:19	MFF
Chlorobenzene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:19	MFF
Chlorodibromomethane	ND	0.00067	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:19	MFF
Chloroethane	ND	0.013	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:19	MFF
Chloroform	ND	0.0027	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:19	MFF
Chloromethane	ND	0.0067	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:19	MFF
2-Chlorotoluene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:19	MFF
4-Chlorotoluene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:19	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0013	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:19	MFF
1,2-Dibromoethane (EDB)	ND	0.00067	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:19	MFF
Dibromomethane	ND	0.0013	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:19	MFF
1,2-Dichlorobenzene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:19	MFF
1,3-Dichlorobenzene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:19	MFF
1,4-Dichlorobenzene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:19	MFF
trans-1,4-Dichloro-2-butene	ND	0.0027	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:19	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.013	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:19	MFF
1,1-Dichloroethane	ND	0.0013	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:19	MFF
1,2-Dichloroethane	ND	0.0013	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:19	MFF
1,1-Dichloroethylene	ND	0.0027	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:19	MFF
cis-1,2-Dichloroethylene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:19	MFF
trans-1,2-Dichloroethylene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:19	MFF
1,2-Dichloropropane	ND	0.0013	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:19	MFF
1,3-Dichloropropane	ND	0.00067	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:19	MFF
2,2-Dichloropropane	ND	0.0013	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:19	MFF
1,1-Dichloropropene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:19	MFF
cis-1,3-Dichloropropene	ND	0.00067	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:19	MFF
trans-1,3-Dichloropropene	ND	0.00067	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:19	MFF
Ethylbenzene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:19	MFF
Hexachlorobutadiene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:19	MFF
2-Hexanone (MBK)	ND	0.013	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:19	MFF
Isopropylbenzene (Cumene)	ND	0.0013	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:19	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0013	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:19	MFF

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: 17I0462

Date Received: 9/12/2017

Field Sample #: WS-AOC-10-SO-1-2 Sampled: 9/12/2017 10:54

Sample ID: 17I0462-02

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Methyl tert-Butyl Ether (MTBE)	ND	0.0027	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:19	MFF
Methylene Chloride	ND	0.013	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:19	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.013	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:19	MFF
Naphthalene	ND	0.0027	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:19	MFF
n-Propylbenzene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:19	MFF
Styrene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:19	MFF
1,1,1,2-Tetrachloroethane	ND	0.0013	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:19	MFF
1,1,2,2-Tetrachloroethane	ND	0.0027	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:19	MFF
Tetrachloroethylene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:19	MFF
Tetrahydrofuran	ND	0.0067	mg/Kg dry	1	V-16	SW-846 8260C	9/14/17	9/14/17 8:19	MFF
Toluene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:19	MFF
1,2,3-Trichlorobenzene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:19	MFF
1,2,4-Trichlorobenzene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:19	MFF
1,1,1-Trichloroethane	ND	0.0013	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:19	MFF
1,1,2-Trichloroethane	ND	0.0013	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:19	MFF
Trichloroethylene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:19	MFF
Trichlorofluoromethane (Freon 11)	ND	0.0067	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:19	MFF
1,2,3-Trichloropropane	ND	0.0013	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:19	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0067	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:19	MFF
1,2,4-Trimethylbenzene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:19	MFF
1,3,5-Trimethylbenzene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:19	MFF
Vinyl Chloride	ND	0.0067	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:19	MFF
m+p Xylene	ND	0.0027	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:19	MFF
o-Xylene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:19	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	105	70-130		9/14/17 8:19
Toluene-d8	104	70-130		9/14/17 8:19
4-Bromofluorobenzene	102	70-130		9/14/17 8:19

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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: 17I0462

Date Received: 9/12/2017

Field Sample #: WS-AOC-10-SO-1-2 Sampled: 9/12/2017 10:54

Sample ID: 17I0462-02

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	0.088	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 18:06	JMB
Aroclor-1221 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 18:06	JMB
Aroclor-1232 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 18:06	JMB
Aroclor-1242 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 18:06	JMB
Aroclor-1248 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 18:06	JMB
Aroclor-1254 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 18:06	JMB
Aroclor-1260 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 18:06	JMB
Aroclor-1262 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 18:06	JMB
Aroclor-1268 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 18:06	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	76.4	30-150		9/25/17 18:06
Decachlorobiphenyl [2]	85.4	30-150		9/25/17 18:06
Tetrachloro-m-xylene [1]	91.1	30-150		9/25/17 18:06
Tetrachloro-m-xylene [2]	94.1	30-150		9/25/17 18:06

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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: 17I0462

Date Received: 9/12/2017

Field Sample #: WS-AOC-10-SO-1-2 Sampled: 9/12/2017 10:54

Sample ID: 17I0462-02

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	89.5		% Wt	1		SM 2540G	9/19/17	9/20/17 9:15	MRL

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0462

Date Received: 9/12/2017

Field Sample #: WS-AOC-10-SO-1-3 Sampled: 9/12/2017 10:55

Sample ID: 17I0462-03

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	0.093	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 18:24	JMB
Aroclor-1221 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 18:24	JMB
Aroclor-1232 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 18:24	JMB
Aroclor-1242 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 18:24	JMB
Aroclor-1248 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 18:24	JMB
Aroclor-1254 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 18:24	JMB
Aroclor-1260 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 18:24	JMB
Aroclor-1262 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 18:24	JMB
Aroclor-1268 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 18:24	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	76.1	30-150		9/25/17 18:24
Decachlorobiphenyl [2]	77.8	30-150		9/25/17 18:24
Tetrachloro-m-xylene [1]	89.2	30-150		9/25/17 18:24
Tetrachloro-m-xylene [2]	84.1	30-150		9/25/17 18:24

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0462

Date Received: 9/12/2017

Field Sample #: WS-AOC-10-SO-1-3 Sampled: 9/12/2017 10:55

Sample ID: 17I0462-03

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	85.0		% Wt	1		SM 2540G	9/19/17	9/20/17 9:15	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: 17I0462

Date Received: 9/12/2017

Field Sample #: WS-AOC-10-SO-2-1 Sampled: 9/12/2017 11:05

Sample ID: 17I0462-04

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	0.21	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 13:44	BGL
Acenaphthylene	ND	0.21	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 13:44	BGL
Aniline	ND	0.43	mg/Kg dry	1	L-04	SW-846 8270D	9/18/17	9/19/17 13:44	BGL
Anthracene	ND	0.21	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 13:44	BGL
Benzo(a)anthracene	0.52	0.21	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 13:44	BGL
Benzo(a)pyrene	0.65	0.21	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 13:44	BGL
Benzo(b)fluoranthene	0.75	0.21	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 13:44	BGL
Benzo(g,h,i)perylene	0.56	0.21	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 13:44	BGL
Benzo(k)fluoranthene	0.27	0.21	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 13:44	BGL
Bis(2-chloroethoxy)methane	ND	0.43	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 13:44	BGL
Bis(2-chloroethyl)ether	ND	0.43	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 13:44	BGL
Bis(2-chloroisopropyl)ether	ND	0.43	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 13:44	BGL
Bis(2-Ethylhexyl)phthalate	ND	0.43	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 13:44	BGL
4-Bromophenylphenylether	ND	0.43	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 13:44	BGL
Butylbenzylphthalate	ND	0.43	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 13:44	BGL
Carbazole	ND	0.21	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 13:44	BGL
4-Chloroaniline	ND	0.83	mg/Kg dry	1	L-04	SW-846 8270D	9/18/17	9/19/17 13:44	BGL
4-Chloro-3-methylphenol	ND	0.83	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 13:44	BGL
2-Chloronaphthalene	ND	0.43	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 13:44	BGL
2-Chlorophenol	ND	0.43	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 13:44	BGL
4-Chlorophenylphenylether	ND	0.43	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 13:44	BGL
Chrysene	0.58	0.21	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 13:44	BGL
Dibenz(a,h)anthracene	ND	0.21	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 13:44	BGL
Dibenzofuran	ND	0.43	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 13:44	BGL
Di-n-butylphthalate	ND	0.43	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 13:44	BGL
3,3-Dichlorobenzidine	ND	0.21	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 13:44	BGL
2,4-Dichlorophenol	ND	0.43	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 13:44	BGL
Diethylphthalate	ND	0.43	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 13:44	BGL
2,4-Dimethylphenol	ND	0.43	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 13:44	BGL
Dimethylphthalate	ND	0.43	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 13:44	BGL
4,6-Dinitro-2-methylphenol	ND	0.43	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 13:44	BGL
2,4-Dinitrophenol	ND	0.83	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 13:44	BGL
2,4-Dinitrotoluene	ND	0.43	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 13:44	BGL
2,6-Dinitrotoluene	ND	0.43	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 13:44	BGL
Di-n-octylphthalate	ND	0.43	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 13:44	BGL
Fluoranthene	1.3	0.21	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 13:44	BGL
Fluorene	ND	0.21	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 13:44	BGL
Hexachlorobenzene	ND	0.43	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 13:44	BGL
Hexachlorobutadiene	ND	0.43	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 13:44	BGL
Hexachlorocyclopentadiene	ND	0.43	mg/Kg dry	1	V-05	SW-846 8270D	9/18/17	9/19/17 13:44	BGL
Hexachloroethane	ND	0.43	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 13:44	BGL
Indeno(1,2,3-cd)pyrene	0.49	0.21	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 13:44	BGL
Isophorone	ND	0.43	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 13:44	BGL
2-Methylnaphthalene	ND	0.21	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 13:44	BGL

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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: 17I0462

Date Received: 9/12/2017

Field Sample #: WS-AOC-10-SO-2-1 Sampled: 9/12/2017 11:05

Sample ID: 17I0462-04

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Methylphenol	ND	0.43	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 13:44	BGL
3/4-Methylphenol	ND	0.43	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 13:44	BGL
Naphthalene	ND	0.21	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 13:44	BGL
2-Nitroaniline	ND	0.43	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 13:44	BGL
3-Nitroaniline	ND	0.43	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 13:44	BGL
4-Nitroaniline	ND	0.43	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 13:44	BGL
Nitrobenzene	ND	0.43	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 13:44	BGL
2-Nitrophenol	ND	0.43	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 13:44	BGL
4-Nitrophenol	ND	0.83	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 13:44	BGL
N-Nitrosodiphenylamine	ND	0.43	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 13:44	BGL
N-Nitrosodi-n-propylamine	ND	0.43	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 13:44	BGL
Pentachloronitrobenzene	ND	0.43	mg/Kg dry	1	V-16, V-20	SW-846 8270D	9/18/17	9/19/17 13:44	BGL
Pentachlorophenol	ND	0.43	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 13:44	BGL
Phenanthrene	0.65	0.21	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 13:44	BGL
Phenol	ND	0.43	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 13:44	BGL
Pyrene	1.2	0.21	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 13:44	BGL
Pyridine	ND	0.43	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 13:44	BGL
1,2,4,5-Tetrachlorobenzene	ND	0.43	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 13:44	BGL
1,2,4-Trichlorobenzene	ND	0.43	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 13:44	BGL
2,4,5-Trichlorophenol	ND	0.43	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 13:44	BGL
2,4,6-Trichlorophenol	ND	0.43	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 13:44	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	55.2	30-130		9/19/17 13:44
Phenol-d6	56.4	30-130		9/19/17 13:44
Nitrobenzene-d5	59.3	30-130		9/19/17 13:44
2-Fluorobiphenyl	70.7	30-130		9/19/17 13:44
2,4,6-Tribromophenol	80.1	30-130		9/19/17 13:44
p-Terphenyl-d14	78.2	30-130		9/19/17 13:44

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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: 17I0462

Date Received: 9/12/2017

Field Sample #: WS-AOC-10-SO-2-1 Sampled: 9/12/2017 11:05

Sample ID: 17I0462-04

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	0.099	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 18:42	JMB
Aroclor-1221 [1]	ND	0.099	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 18:42	JMB
Aroclor-1232 [1]	ND	0.099	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 18:42	JMB
Aroclor-1242 [1]	ND	0.099	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 18:42	JMB
Aroclor-1248 [1]	ND	0.099	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 18:42	JMB
Aroclor-1254 [1]	ND	0.099	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 18:42	JMB
Aroclor-1260 [1]	ND	0.099	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 18:42	JMB
Aroclor-1262 [1]	ND	0.099	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 18:42	JMB
Aroclor-1268 [1]	ND	0.099	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 18:42	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	78.3	30-150		9/25/17 18:42
Decachlorobiphenyl [2]	81.5	30-150		9/25/17 18:42
Tetrachloro-m-xylene [1]	87.5	30-150		9/25/17 18:42
Tetrachloro-m-xylene [2]	86.2	30-150		9/25/17 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: 17I0462

Date Received: 9/12/2017

Field Sample #: WS-AOC-10-SO-2-1 Sampled: 9/12/2017 11:05

Sample ID: 17I0462-04

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	84	13	mg/Kg dry	1		CTDEP ETPH	9/19/17	9/21/17 2:01	SCS

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
o-Terphenyl	78.0	50-150		9/21/17 2:01

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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: 17I0462

Date Received: 9/12/2017

Field Sample #: WS-AOC-10-SO-2-1 Sampled: 9/12/2017 11:05

Sample ID: 17I0462-04

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	ND	3.1	mg/Kg dry	1		SW-846 6010C-D	9/18/17	9/19/17 16:14	QNW
Arsenic	ND	3.1	mg/Kg dry	1		SW-846 6010C-D	9/18/17	9/19/17 16:14	QNW
Barium	80	3.1	mg/Kg dry	1		SW-846 6010C-D	9/18/17	9/19/17 16:14	QNW
Beryllium	ND	0.31	mg/Kg dry	1		SW-846 6010C-D	9/18/17	9/19/17 16:14	QNW
Cadmium	ND	0.31	mg/Kg dry	1		SW-846 6010C-D	9/18/17	9/19/17 16:14	QNW
Chromium	11	0.61	mg/Kg dry	1		SW-846 6010C-D	9/18/17	9/19/17 16:14	QNW
Copper	37	0.61	mg/Kg dry	1		SW-846 6010C-D	9/18/17	9/19/17 16:14	QNW
Lead	130	0.92	mg/Kg dry	1		SW-846 6010C-D	9/18/17	9/19/17 16:14	QNW
Mercury	0.27	0.030	mg/Kg dry	1		SW-846 7471B	9/18/17	9/19/17 9:37	TJK
Nickel	8.8	0.61	mg/Kg dry	1		SW-846 6010C-D	9/18/17	9/19/17 16:14	QNW
Selenium	ND	6.1	mg/Kg dry	1		SW-846 6010C-D	9/18/17	9/19/17 16:14	QNW
Silver	ND	0.61	mg/Kg dry	1		SW-846 6010C-D	9/18/17	9/19/17 16:14	QNW
Thallium	ND	3.1	mg/Kg dry	1		SW-846 6010C-D	9/18/17	9/19/17 16:14	QNW
Vanadium	34	1.2	mg/Kg dry	1		SW-846 6010C-D	9/18/17	9/19/17 16:14	QNW
Zinc	95	1.2	mg/Kg dry	1		SW-846 6010C-D	9/18/17	9/19/17 16:14	QNW

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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: 17I0462

Date Received: 9/12/2017

Field Sample #: WS-AOC-10-SO-2-1 Sampled: 9/12/2017 11:05

Sample ID: 17I0462-04

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	79.4		% Wt	1		SM 2540G	9/19/17	9/20/17 9:15	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: 17I0462

Date Received: 9/12/2017

Field Sample #: WS-AOC-10-SO-2-2 Sampled: 9/12/2017 11:06

Sample ID: 17I0462-05

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.069	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:47	MFF
Acrylonitrile	ND	0.0041	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:47	MFF
Benzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:47	MFF
Bromobenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:47	MFF
Bromodichloromethane	ND	0.0014	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:47	MFF
Bromoform	ND	0.0014	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:47	MFF
Bromomethane	ND	0.0069	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:47	MFF
2-Butanone (MEK)	ND	0.027	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:47	MFF
n-Butylbenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:47	MFF
sec-Butylbenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:47	MFF
tert-Butylbenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:47	MFF
Carbon Disulfide	ND	0.0041	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:47	MFF
Carbon Tetrachloride	ND	0.0014	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:47	MFF
Chlorobenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:47	MFF
Chlorodibromomethane	ND	0.00069	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:47	MFF
Chloroethane	ND	0.014	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:47	MFF
Chloroform	ND	0.0027	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:47	MFF
Chloromethane	ND	0.0069	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:47	MFF
2-Chlorotoluene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:47	MFF
4-Chlorotoluene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:47	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0014	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:47	MFF
1,2-Dibromoethane (EDB)	ND	0.00069	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:47	MFF
Dibromomethane	ND	0.0014	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:47	MFF
1,2-Dichlorobenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:47	MFF
1,3-Dichlorobenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:47	MFF
1,4-Dichlorobenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:47	MFF
trans-1,4-Dichloro-2-butene	ND	0.0027	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:47	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.014	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:47	MFF
1,1-Dichloroethane	ND	0.0014	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:47	MFF
1,2-Dichloroethane	ND	0.0014	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:47	MFF
1,1-Dichloroethylene	ND	0.0027	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:47	MFF
cis-1,2-Dichloroethylene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:47	MFF
trans-1,2-Dichloroethylene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:47	MFF
1,2-Dichloropropane	ND	0.0014	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:47	MFF
1,3-Dichloropropane	ND	0.00069	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:47	MFF
2,2-Dichloropropane	ND	0.0014	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:47	MFF
1,1-Dichloropropene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:47	MFF
cis-1,3-Dichloropropene	ND	0.00069	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:47	MFF
trans-1,3-Dichloropropene	ND	0.00069	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:47	MFF
Ethylbenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:47	MFF
Hexachlorobutadiene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:47	MFF
2-Hexanone (MBK)	ND	0.014	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:47	MFF
Isopropylbenzene (Cumene)	ND	0.0014	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:47	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0014	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:47	MFF

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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: 17I0462

Date Received: 9/12/2017

Field Sample #: WS-AOC-10-SO-2-2 Sampled: 9/12/2017 11:06

Sample ID: 17I0462-05

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Methyl tert-Butyl Ether (MTBE)	ND	0.0027	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:47	MFF
Methylene Chloride	ND	0.014	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:47	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.014	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:47	MFF
Naphthalene	ND	0.0027	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:47	MFF
n-Propylbenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:47	MFF
Styrene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:47	MFF
1,1,1,2-Tetrachloroethane	ND	0.0014	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:47	MFF
1,1,2,2-Tetrachloroethane	ND	0.0027	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:47	MFF
Tetrachloroethylene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:47	MFF
Tetrahydrofuran	ND	0.0069	mg/Kg dry	1	V-16	SW-846 8260C	9/14/17	9/14/17 8:47	MFF
Toluene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:47	MFF
1,2,3-Trichlorobenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:47	MFF
1,2,4-Trichlorobenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:47	MFF
1,1,1-Trichloroethane	ND	0.0014	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:47	MFF
1,1,2-Trichloroethane	ND	0.0014	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:47	MFF
Trichloroethylene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:47	MFF
Trichlorofluoromethane (Freon 11)	ND	0.0069	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:47	MFF
1,2,3-Trichloropropane	ND	0.0014	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:47	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0069	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:47	MFF
1,2,4-Trimethylbenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:47	MFF
1,3,5-Trimethylbenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:47	MFF
Vinyl Chloride	ND	0.0069	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:47	MFF
m+p Xylene	ND	0.0027	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:47	MFF
o-Xylene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 8:47	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	105	70-130		9/14/17 8:47
Toluene-d8	106	70-130		9/14/17 8:47
4-Bromofluorobenzene	102	70-130		9/14/17 8:47

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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: 17I0462

Date Received: 9/12/2017

Field Sample #: WS-AOC-10-SO-2-2 Sampled: 9/12/2017 11:06

Sample ID: 17I0462-05

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	0.098	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 19:01	JMB
Aroclor-1221 [1]	ND	0.098	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 19:01	JMB
Aroclor-1232 [1]	ND	0.098	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 19:01	JMB
Aroclor-1242 [1]	ND	0.098	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 19:01	JMB
Aroclor-1248 [1]	ND	0.098	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 19:01	JMB
Aroclor-1254 [1]	ND	0.098	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 19:01	JMB
Aroclor-1260 [1]	ND	0.098	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 19:01	JMB
Aroclor-1262 [1]	ND	0.098	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 19:01	JMB
Aroclor-1268 [1]	ND	0.098	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 19:01	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	90.3	30-150		9/25/17 19:01
Decachlorobiphenyl [2]	90.1	30-150		9/25/17 19:01
Tetrachloro-m-xylene [1]	94.5	30-150		9/25/17 19:01
Tetrachloro-m-xylene [2]	92.6	30-150		9/25/17 19:01

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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: 17I0462

Date Received: 9/12/2017

Field Sample #: WS-AOC-10-SO-2-2 Sampled: 9/12/2017 11:06

Sample ID: 17I0462-05

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	80.6		% Wt	1		SM 2540G	9/19/17	9/20/17 9:15	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: 17I0462

Date Received: 9/12/2017

Field Sample #: WS-AOC-10-SO-2-3 Sampled: 9/12/2017 11:07

Sample ID: 17I0462-06

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	9/18/17	9/25/17 19:19	JMB
Aroclor-1221 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 19:19	JMB
Aroclor-1232 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 19:19	JMB
Aroclor-1242 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 19:19	JMB
Aroclor-1248 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 19:19	JMB
Aroclor-1254 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 19:19	JMB
Aroclor-1260 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 19:19	JMB
Aroclor-1262 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 19:19	JMB
Aroclor-1268 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 19:19	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	89.9	30-150		9/25/17 19:19
Decachlorobiphenyl [2]	83.1	30-150		9/25/17 19:19
Tetrachloro-m-xylene [1]	98.7	30-150		9/25/17 19:19
Tetrachloro-m-xylene [2]	94.3	30-150		9/25/17 19:19

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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: 17I0462

Date Received: 9/12/2017

Field Sample #: WS-AOC-10-SO-2-3 Sampled: 9/12/2017 11:07

Sample ID: 17I0462-06

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	84.9		% Wt	1		SM 2540G	9/19/17	9/20/17 9:15	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: 17I0462

Date Received: 9/12/2017

Field Sample #: WS-AOC-8-SO-6-1 Sampled: 9/12/2017 11:17

Sample ID: 17I0462-07

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	0.085	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 19:37	JMB
Aroclor-1221 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 19:37	JMB
Aroclor-1232 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 19:37	JMB
Aroclor-1242 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 19:37	JMB
Aroclor-1248 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 19:37	JMB
Aroclor-1254 [2]	0.26	0.085	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 19:37	JMB
Aroclor-1260 [1]	0.33	0.085	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 19:37	JMB
Aroclor-1262 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 19:37	JMB
Aroclor-1268 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 19:37	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	82.8	30-150		9/25/17 19:37
Decachlorobiphenyl [2]	81.4	30-150		9/25/17 19:37
Tetrachloro-m-xylene [1]	93.7	30-150		9/25/17 19:37
Tetrachloro-m-xylene [2]	90.1	30-150		9/25/17 19:37

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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: 17I0462

Date Received: 9/12/2017

Field Sample #: WS-AOC-8-SO-6-1 Sampled: 9/12/2017 11:17

Sample ID: 17I0462-07

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	92.6		% Wt	1		SM 2540G	9/19/17	9/20/17 9:15	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: 17I0462

Date Received: 9/12/2017

Field Sample #: WS-AOC-8-SO-6-2 Sampled: 9/12/2017 11:18

Sample ID: 17I0462-08

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	0.18	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 14:09	BGL
Acenaphthylene	ND	0.18	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 14:09	BGL
Anthracene	ND	0.18	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 14:09	BGL
Benzo(a)anthracene	0.55	0.18	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 14:09	BGL
Benzo(a)pyrene	0.68	0.18	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 14:09	BGL
Benzo(b)fluoranthene	0.76	0.18	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 14:09	BGL
Benzo(g,h,i)perylene	0.58	0.18	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 14:09	BGL
Benzo(k)fluoranthene	0.29	0.18	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 14:09	BGL
Chrysene	0.53	0.18	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 14:09	BGL
Dibenz(a,h)anthracene	ND	0.18	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 14:09	BGL
Fluoranthene	0.79	0.18	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 14:09	BGL
Fluorene	ND	0.18	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 14:09	BGL
Indeno(1,2,3-cd)pyrene	0.53	0.18	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 14:09	BGL
2-Methylnaphthalene	ND	0.18	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 14:09	BGL
Naphthalene	ND	0.18	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 14:09	BGL
Phenanthrene	0.24	0.18	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 14:09	BGL
Pyrene	0.86	0.18	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 14:09	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Nitrobenzene-d5	54.7	30-130		9/19/17 14:09
2-Fluorobiphenyl	65.6	30-130		9/19/17 14:09
p-Terphenyl-d14	75.2	30-130		9/19/17 14:09

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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: 17I0462

Date Received: 9/12/2017

Field Sample #: WS-AOC-8-SO-6-2 Sampled: 9/12/2017 11:18

Sample ID: 17I0462-08

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	0.085	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 19:56	JMB
Aroclor-1221 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 19:56	JMB
Aroclor-1232 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 19:56	JMB
Aroclor-1242 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 19:56	JMB
Aroclor-1248 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 19:56	JMB
Aroclor-1254 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 19:56	JMB
Aroclor-1260 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 19:56	JMB
Aroclor-1262 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 19:56	JMB
Aroclor-1268 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 19:56	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	85.6	30-150		9/25/17 19:56
Decachlorobiphenyl [2]	80.9	30-150		9/25/17 19:56
Tetrachloro-m-xylene [1]	94.4	30-150		9/25/17 19:56
Tetrachloro-m-xylene [2]	88.8	30-150		9/25/17 19:56

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0462

Date Received: 9/12/2017

Field Sample #: WS-AOC-8-SO-6-2 Sampled: 9/12/2017 11:18

Sample ID: 17I0462-08

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	96	53	mg/Kg dry	5		CTDEP ETPH	9/19/17	9/21/17 0:32	SCS

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
o-Terphenyl	81.1	50-150		9/21/17 0:32

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0462

Date Received: 9/12/2017

Field Sample #: WS-AOC-8-SO-6-2 Sampled: 9/12/2017 11:18

Sample ID: 17I0462-08

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	94.6		% Wt	1		SM 2540G	9/19/17	9/20/17 9:15	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: 17I0462

Date Received: 9/12/2017

Field Sample #: WS-AOC-8-SO-6-3 Sampled: 9/12/2017 11:19

Sample ID: 17I0462-09

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	0.082	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 20:14	JMB
Aroclor-1221 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 20:14	JMB
Aroclor-1232 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 20:14	JMB
Aroclor-1242 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 20:14	JMB
Aroclor-1248 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 20:14	JMB
Aroclor-1254 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 20:14	JMB
Aroclor-1260 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 20:14	JMB
Aroclor-1262 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 20:14	JMB
Aroclor-1268 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 20:14	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	84.7	30-150		9/25/17 20:14
Decachlorobiphenyl [2]	80.4	30-150		9/25/17 20:14
Tetrachloro-m-xylene [1]	89.4	30-150		9/25/17 20:14
Tetrachloro-m-xylene [2]	87.4	30-150		9/25/17 20:14

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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: 17I0462

Date Received: 9/12/2017

Field Sample #: WS-AOC-8-SO-6-3 Sampled: 9/12/2017 11:19

Sample ID: 17I0462-09

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	94.3		% Wt	1		SM 2540G	9/19/17	9/20/17 9:15	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: 17I0462

Date Received: 9/12/2017

Field Sample #: WS-AOC-8-SO-6-4 Sampled: 9/12/2017 11:20

Sample ID: 17I0462-10

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	9/18/17	9/25/17 20:32	JMB
Aroclor-1221 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 20:32	JMB
Aroclor-1232 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 20:32	JMB
Aroclor-1242 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 20:32	JMB
Aroclor-1248 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 20:32	JMB
Aroclor-1254 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 20:32	JMB
Aroclor-1260 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 20:32	JMB
Aroclor-1262 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 20:32	JMB
Aroclor-1268 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 20:32	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	72.6	30-150		9/25/17 20:32
Decachlorobiphenyl [2]	141	30-150		9/25/17 20:32
Tetrachloro-m-xylene [1]	79.6	30-150		9/25/17 20:32
Tetrachloro-m-xylene [2]	67.8	30-150		9/25/17 20:32

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0462

Date Received: 9/12/2017

Field Sample #: WS-AOC-8-SO-6-4 Sampled: 9/12/2017 11:20

Sample ID: 17I0462-10

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	89.7		% Wt	1		SM 2540G	9/19/17	9/20/17 9:15	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: 17I0462

Date Received: 9/12/2017

Field Sample #: WS-AOC-10-SO-20-1 Sampled: 9/12/2017 11:44

Sample ID: 17I0462-11

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	0.11	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 21:40	JMB
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 21:40	JMB
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 21:40	JMB
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 21:40	JMB
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 21:40	JMB
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 21:40	JMB
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 21:40	JMB
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 21:40	JMB
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 21:40	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	84.9	30-150		9/25/17 21:40
Decachlorobiphenyl [2]	88.7	30-150		9/25/17 21:40
Tetrachloro-m-xylene [1]	94.0	30-150		9/25/17 21:40
Tetrachloro-m-xylene [2]	92.7	30-150		9/25/17 21:40

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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: 17I0462

Date Received: 9/12/2017

Field Sample #: WS-AOC-10-SO-20-1 Sampled: 9/12/2017 11:44

Sample ID: 17I0462-11

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	71.4		% Wt	1		SM 2540G	9/19/17	9/20/17 9:15	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: 17I0462

Date Received: 9/12/2017

Field Sample #: WS-AOC-10-SO-20-2 Sampled: 9/12/2017 11:45

Sample ID: 17I0462-12

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	9/18/17	9/25/17 21:58	JMB
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 21:58	JMB
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 21:58	JMB
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 21:58	JMB
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 21:58	JMB
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 21:58	JMB
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 21:58	JMB
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 21:58	JMB
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 21:58	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	83.2	30-150		9/25/17 21:58
Decachlorobiphenyl [2]	80.9	30-150		9/25/17 21:58
Tetrachloro-m-xylene [1]	85.9	30-150		9/25/17 21:58
Tetrachloro-m-xylene [2]	84.2	30-150		9/25/17 21:58

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0462

Date Received: 9/12/2017

Field Sample #: WS-AOC-10-SO-20-2 Sampled: 9/12/2017 11:45

Sample ID: 17I0462-12

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	70.1		% Wt	1		SM 2540G	9/19/17	9/20/17 9:15	MRL

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0462

Date Received: 9/12/2017

Field Sample #: WS-AOC-10-SO-20-3 Sampled: 9/12/2017 11:46

Sample ID: 17I0462-13

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	0.12	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 22:17	JMB
Aroclor-1221 [1]	ND	0.12	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 22:17	JMB
Aroclor-1232 [1]	ND	0.12	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 22:17	JMB
Aroclor-1242 [1]	ND	0.12	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 22:17	JMB
Aroclor-1248 [1]	ND	0.12	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 22:17	JMB
Aroclor-1254 [1]	ND	0.12	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 22:17	JMB
Aroclor-1260 [1]	ND	0.12	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 22:17	JMB
Aroclor-1262 [1]	ND	0.12	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 22:17	JMB
Aroclor-1268 [1]	ND	0.12	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 22:17	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	57.2	30-150		9/25/17 22:17
Decachlorobiphenyl [2]	61.5	30-150		9/25/17 22:17
Tetrachloro-m-xylene [1]	68.5	30-150		9/25/17 22:17
Tetrachloro-m-xylene [2]	70.7	30-150		9/25/17 22:17

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0462

Date Received: 9/12/2017

Field Sample #: WS-AOC-10-SO-20-3 Sampled: 9/12/2017 11:46

Sample ID: 17I0462-13

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	68.1		% Wt	1		SM 2540G	9/19/17	9/20/17 9:15	MRL

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0462

Date Received: 9/12/2017

Field Sample #: WS-AOC-10-SO-16-1 Sampled: 9/12/2017 11:52

Sample ID: 17I0462-14

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	0.087	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 22:35	JMB
Aroclor-1221 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 22:35	JMB
Aroclor-1232 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 22:35	JMB
Aroclor-1242 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 22:35	JMB
Aroclor-1248 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 22:35	JMB
Aroclor-1254 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 22:35	JMB
Aroclor-1260 [2]	0.092	0.087	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 22:35	JMB
Aroclor-1262 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 22:35	JMB
Aroclor-1268 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 22:35	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	87.4	30-150		9/25/17 22:35
Decachlorobiphenyl [2]	86.1	30-150		9/25/17 22:35
Tetrachloro-m-xylene [1]	88.1	30-150		9/25/17 22:35
Tetrachloro-m-xylene [2]	86.3	30-150		9/25/17 22:35

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0462

Date Received: 9/12/2017

Field Sample #: WS-AOC-10-SO-16-1 Sampled: 9/12/2017 11:52

Sample ID: 17I0462-14

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	92.3		% Wt	1		SM 2540G	9/19/17	9/20/17 9:15	MRL

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0462

Date Received: 9/12/2017

Field Sample #: WS-AOC-10-SO-16-2 Sampled: 9/12/2017 11:53

Sample ID: 17I0462-15

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	0.088	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 22:53	JMB
Aroclor-1221 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 22:53	JMB
Aroclor-1232 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 22:53	JMB
Aroclor-1242 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 22:53	JMB
Aroclor-1248 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 22:53	JMB
Aroclor-1254 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 22:53	JMB
Aroclor-1260 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 22:53	JMB
Aroclor-1262 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 22:53	JMB
Aroclor-1268 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 22:53	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	87.3	30-150		9/25/17 22:53
Decachlorobiphenyl [2]	95.6	30-150		9/25/17 22:53
Tetrachloro-m-xylene [1]	93.4	30-150		9/25/17 22:53
Tetrachloro-m-xylene [2]	94.7	30-150		9/25/17 22:53

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0462

Date Received: 9/12/2017

Field Sample #: WS-AOC-10-SO-16-2 Sampled: 9/12/2017 11:53

Sample ID: 17I0462-15

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	90.5		% Wt	1		SM 2540G	9/19/17	9/20/17 9:15	MRL

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0462

Date Received: 9/12/2017

Field Sample #: WS-AOC-10-SO-16-3 Sampled: 9/12/2017 11:54

Sample ID: 17I0462-16

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	0.12	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 23:11	JMB
Aroclor-1221 [1]	ND	0.12	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 23:11	JMB
Aroclor-1232 [1]	ND	0.12	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 23:11	JMB
Aroclor-1242 [1]	ND	0.12	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 23:11	JMB
Aroclor-1248 [1]	ND	0.12	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 23:11	JMB
Aroclor-1254 [1]	ND	0.12	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 23:11	JMB
Aroclor-1260 [1]	0.38	0.12	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 23:11	JMB
Aroclor-1262 [1]	ND	0.12	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 23:11	JMB
Aroclor-1268 [1]	ND	0.12	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 23:11	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	89.7	30-150		9/25/17 23:11
Decachlorobiphenyl [2]	88.3	30-150		9/25/17 23:11
Tetrachloro-m-xylene [1]	94.2	30-150		9/25/17 23:11
Tetrachloro-m-xylene [2]	90.0	30-150		9/25/17 23:11

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0462

Date Received: 9/12/2017

Field Sample #: WS-AOC-10-SO-16-3 Sampled: 9/12/2017 11:54

Sample ID: 17I0462-16

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	69.5		% Wt	1		SM 2540G	9/19/17	9/20/17 9:15	MRL

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0462

Date Received: 9/12/2017

Field Sample #: WS-AOC-10-SO-17-1 Sampled: 9/12/2017 11:57

Sample ID: 17I0462-17

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	9/18/17	9/25/17 23:30	JMB
Aroclor-1221 [1]	ND	0.097	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 23:30	JMB
Aroclor-1232 [1]	ND	0.097	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 23:30	JMB
Aroclor-1242 [1]	ND	0.097	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 23:30	JMB
Aroclor-1248 [1]	ND	0.097	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 23:30	JMB
Aroclor-1254 [1]	ND	0.097	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 23:30	JMB
Aroclor-1260 [1]	ND	0.097	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 23:30	JMB
Aroclor-1262 [1]	ND	0.097	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 23:30	JMB
Aroclor-1268 [1]	ND	0.097	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 23:30	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	85.1	30-150		9/25/17 23:30
Decachlorobiphenyl [2]	82.5	30-150		9/25/17 23:30
Tetrachloro-m-xylene [1]	86.5	30-150		9/25/17 23:30
Tetrachloro-m-xylene [2]	85.2	30-150		9/25/17 23:30

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0462

Date Received: 9/12/2017

Field Sample #: WS-AOC-10-SO-17-1 Sampled: 9/12/2017 11:57

Sample ID: 17I0462-17

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	100	12	mg/Kg dry	1		CTDEP ETPH	9/19/17	9/21/17 2:18	SCS

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
o-Terphenyl	76.3	50-150		9/21/17 2:18

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0462

Date Received: 9/12/2017

Field Sample #: WS-AOC-10-SO-17-1 Sampled: 9/12/2017 11:57

Sample ID: 17I0462-17

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	82.0		% Wt	1		SM 2540G	9/19/17	9/20/17 9:15	MRL

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0462

Date Received: 9/12/2017

Field Sample #: WS-AOC-10-SO-17-2 Sampled: 9/12/2017 11:58

Sample ID: 17I0462-18

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	0.21	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 14:35	BGL
Acenaphthylene	ND	0.21	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 14:35	BGL
Aniline	ND	0.41	mg/Kg dry	1	L-04	SW-846 8270D	9/18/17	9/19/17 14:35	BGL
Anthracene	ND	0.21	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 14:35	BGL
Benzo(a)anthracene	ND	0.21	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 14:35	BGL
Benzo(a)pyrene	ND	0.21	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 14:35	BGL
Benzo(b)fluoranthene	ND	0.21	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 14:35	BGL
Benzo(g,h,i)perylene	ND	0.21	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 14:35	BGL
Benzo(k)fluoranthene	ND	0.21	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 14:35	BGL
Bis(2-chloroethoxy)methane	ND	0.41	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 14:35	BGL
Bis(2-chloroethyl)ether	ND	0.41	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 14:35	BGL
Bis(2-chloroisopropyl)ether	ND	0.41	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 14:35	BGL
Bis(2-Ethylhexyl)phthalate	ND	0.41	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 14:35	BGL
4-Bromophenylphenylether	ND	0.41	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 14:35	BGL
Butylbenzylphthalate	ND	0.41	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 14:35	BGL
Carbazole	ND	0.21	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 14:35	BGL
4-Chloroaniline	ND	0.80	mg/Kg dry	1	L-04	SW-846 8270D	9/18/17	9/19/17 14:35	BGL
4-Chloro-3-methylphenol	ND	0.80	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 14:35	BGL
2-Chloronaphthalene	ND	0.41	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 14:35	BGL
2-Chlorophenol	ND	0.41	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 14:35	BGL
4-Chlorophenylphenylether	ND	0.41	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 14:35	BGL
Chrysene	ND	0.21	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 14:35	BGL
Dibenz(a,h)anthracene	ND	0.21	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 14:35	BGL
Dibenzofuran	ND	0.41	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 14:35	BGL
Di-n-butylphthalate	ND	0.41	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 14:35	BGL
3,3-Dichlorobenzidine	ND	0.21	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 14:35	BGL
2,4-Dichlorophenol	ND	0.41	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 14:35	BGL
Diethylphthalate	ND	0.41	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 14:35	BGL
2,4-Dimethylphenol	ND	0.41	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 14:35	BGL
Dimethylphthalate	ND	0.41	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 14:35	BGL
4,6-Dinitro-2-methylphenol	ND	0.41	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 14:35	BGL
2,4-Dinitrophenol	ND	0.80	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 14:35	BGL
2,4-Dinitrotoluene	ND	0.41	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 14:35	BGL
2,6-Dinitrotoluene	ND	0.41	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 14:35	BGL
Di-n-octylphthalate	ND	0.41	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 14:35	BGL
Fluoranthene	ND	0.21	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 14:35	BGL
Fluorene	ND	0.21	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 14:35	BGL
Hexachlorobenzene	ND	0.41	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 14:35	BGL
Hexachlorobutadiene	ND	0.41	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 14:35	BGL
Hexachlorocyclopentadiene	ND	0.41	mg/Kg dry	1	V-05	SW-846 8270D	9/18/17	9/19/17 14:35	BGL
Hexachloroethane	ND	0.41	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 14:35	BGL
Indeno(1,2,3-cd)pyrene	ND	0.21	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 14:35	BGL
Isophorone	ND	0.41	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 14:35	BGL
2-Methylnaphthalene	ND	0.21	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 14:35	BGL

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0462

Date Received: 9/12/2017

Field Sample #: WS-AOC-10-SO-17-2 Sampled: 9/12/2017 11:58

Sample ID: 17I0462-18

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Methylphenol	ND	0.41	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 14:35	BGL
3/4-Methylphenol	ND	0.41	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 14:35	BGL
Naphthalene	ND	0.21	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 14:35	BGL
2-Nitroaniline	ND	0.41	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 14:35	BGL
3-Nitroaniline	ND	0.41	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 14:35	BGL
4-Nitroaniline	ND	0.41	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 14:35	BGL
Nitrobenzene	ND	0.41	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 14:35	BGL
2-Nitrophenol	ND	0.41	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 14:35	BGL
4-Nitrophenol	ND	0.80	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 14:35	BGL
N-Nitrosodiphenylamine	ND	0.41	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 14:35	BGL
N-Nitrosodi-n-propylamine	ND	0.41	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 14:35	BGL
Pentachloronitrobenzene	ND	0.41	mg/Kg dry	1	V-16, V-20	SW-846 8270D	9/18/17	9/19/17 14:35	BGL
Pentachlorophenol	ND	0.41	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 14:35	BGL
Phenanthrene	ND	0.21	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 14:35	BGL
Phenol	ND	0.41	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 14:35	BGL
Pyrene	ND	0.21	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 14:35	BGL
Pyridine	ND	0.41	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 14:35	BGL
1,2,4,5-Tetrachlorobenzene	ND	0.41	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 14:35	BGL
1,2,4-Trichlorobenzene	ND	0.41	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 14:35	BGL
2,4,5-Trichlorophenol	ND	0.41	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 14:35	BGL
2,4,6-Trichlorophenol	ND	0.41	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 14:35	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	66.6	30-130		9/19/17 14:35
Phenol-d6	66.5	30-130		9/19/17 14:35
Nitrobenzene-d5	69.1	30-130		9/19/17 14:35
2-Fluorobiphenyl	79.6	30-130		9/19/17 14:35
2,4,6-Tribromophenol	95.6	30-130		9/19/17 14:35
p-Terphenyl-d14	87.2	30-130		9/19/17 14:35

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0462

Date Received: 9/12/2017

Field Sample #: WS-AOC-10-SO-17-2 Sampled: 9/12/2017 11:58

Sample ID: 17I0462-18

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	0.095	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 23:48	JMB
Aroclor-1221 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 23:48	JMB
Aroclor-1232 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 23:48	JMB
Aroclor-1242 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 23:48	JMB
Aroclor-1248 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 23:48	JMB
Aroclor-1254 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 23:48	JMB
Aroclor-1260 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 23:48	JMB
Aroclor-1262 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 23:48	JMB
Aroclor-1268 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	9/18/17	9/25/17 23:48	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	87.3	30-150		9/25/17 23:48
Decachlorobiphenyl [2]	92.6	30-150		9/25/17 23:48
Tetrachloro-m-xylene [1]	88.9	30-150		9/25/17 23:48
Tetrachloro-m-xylene [2]	87.8	30-150		9/25/17 23:48

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0462

Date Received: 9/12/2017

Field Sample #: WS-AOC-10-SO-17-2 Sampled: 9/12/2017 11:58

Sample ID: 17I0462-18

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	82.3		% Wt	1		SM 2540G	9/19/17	9/20/17 9:15	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: 17I0462

Date Received: 9/12/2017

Field Sample #: WS-AOC-10-SO-17-3 Sampled: 9/12/2017 11:59

Sample ID: 17I0462-19

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	0.13	mg/Kg dry	4		SW-846 8082A	9/18/17	9/26/17 0:06	JMB
Aroclor-1221 [1]	ND	0.13	mg/Kg dry	4		SW-846 8082A	9/18/17	9/26/17 0:06	JMB
Aroclor-1232 [1]	ND	0.13	mg/Kg dry	4		SW-846 8082A	9/18/17	9/26/17 0:06	JMB
Aroclor-1242 [1]	ND	0.13	mg/Kg dry	4		SW-846 8082A	9/18/17	9/26/17 0:06	JMB
Aroclor-1248 [1]	ND	0.13	mg/Kg dry	4		SW-846 8082A	9/18/17	9/26/17 0:06	JMB
Aroclor-1254 [1]	ND	0.13	mg/Kg dry	4		SW-846 8082A	9/18/17	9/26/17 0:06	JMB
Aroclor-1260 [1]	ND	0.13	mg/Kg dry	4		SW-846 8082A	9/18/17	9/26/17 0:06	JMB
Aroclor-1262 [1]	ND	0.13	mg/Kg dry	4		SW-846 8082A	9/18/17	9/26/17 0:06	JMB
Aroclor-1268 [1]	ND	0.13	mg/Kg dry	4		SW-846 8082A	9/18/17	9/26/17 0:06	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	91.5	30-150		9/26/17 0:06
Decachlorobiphenyl [2]	88.4	30-150		9/26/17 0:06
Tetrachloro-m-xylene [1]	86.9	30-150		9/26/17 0:06
Tetrachloro-m-xylene [2]	84.2	30-150		9/26/17 0:06

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0462

Date Received: 9/12/2017

Field Sample #: WS-AOC-10-SO-17-3 Sampled: 9/12/2017 11:59

Sample ID: 17I0462-19

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	61.0		% Wt	1		SM 2540G	9/19/17	9/20/17 9:15	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: 17I0462

Date Received: 9/12/2017

Field Sample #: WS-AOC-10-SO-31-1 Sampled: 9/12/2017 12:15

Sample ID: 17I0462-20

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	0.091	mg/Kg dry	4		SW-846 8082A	9/18/17	9/26/17 0:25	JMB
Aroclor-1221 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	9/18/17	9/26/17 0:25	JMB
Aroclor-1232 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	9/18/17	9/26/17 0:25	JMB
Aroclor-1242 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	9/18/17	9/26/17 0:25	JMB
Aroclor-1248 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	9/18/17	9/26/17 0:25	JMB
Aroclor-1254 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	9/18/17	9/26/17 0:25	JMB
Aroclor-1260 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	9/18/17	9/26/17 0:25	JMB
Aroclor-1262 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	9/18/17	9/26/17 0:25	JMB
Aroclor-1268 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	9/18/17	9/26/17 0:25	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	106	30-150		9/26/17 0:25
Decachlorobiphenyl [2]	102	30-150		9/26/17 0:25
Tetrachloro-m-xylene [1]	104	30-150		9/26/17 0:25
Tetrachloro-m-xylene [2]	100	30-150		9/26/17 0:25

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0462

Date Received: 9/12/2017

Field Sample #: WS-AOC-10-SO-31-1 Sampled: 9/12/2017 12:15

Sample ID: 17I0462-20

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	43	11	mg/Kg dry	1		CTDEP ETPH	9/19/17	9/21/17 2:36	SCS

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
o-Terphenyl	84.4	50-150		9/21/17 2:36

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0462

Date Received: 9/12/2017

Field Sample #: WS-AOC-10-SO-31-1 Sampled: 9/12/2017 12:15

Sample ID: 17I0462-20

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	87.6		% Wt	1		SM 2540G	9/19/17	9/20/17 9:15	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
17I0462-01 [WS-AOC-10-SO-1-1]	B186524	30.1	1.00	09/19/17
17I0462-04 [WS-AOC-10-SO-2-1]	B186524	30.0	1.00	09/19/17
17I0462-08 [WS-AOC-8-SO-6-2]	B186524	30.0	1.00	09/19/17
17I0462-17 [WS-AOC-10-SO-17-1]	B186524	30.1	1.00	09/19/17
17I0462-20 [WS-AOC-10-SO-31-1]	B186524	30.2	1.00	09/19/17

Prep Method: % Solids-SM 2540G

Lab Number [Field ID]	Batch	Date
17I0462-01 [WS-AOC-10-SO-1-1]	B186542	09/19/17
17I0462-02 [WS-AOC-10-SO-1-2]	B186542	09/19/17
17I0462-03 [WS-AOC-10-SO-1-3]	B186542	09/19/17
17I0462-04 [WS-AOC-10-SO-2-1]	B186542	09/19/17
17I0462-05 [WS-AOC-10-SO-2-2]	B186542	09/19/17
17I0462-06 [WS-AOC-10-SO-2-3]	B186542	09/19/17
17I0462-07 [WS-AOC-8-SO-6-1]	B186542	09/19/17
17I0462-08 [WS-AOC-8-SO-6-2]	B186542	09/19/17
17I0462-09 [WS-AOC-8-SO-6-3]	B186542	09/19/17
17I0462-10 [WS-AOC-8-SO-6-4]	B186542	09/19/17
17I0462-11 [WS-AOC-10-SO-20-1]	B186542	09/19/17
17I0462-12 [WS-AOC-10-SO-20-2]	B186542	09/19/17
17I0462-13 [WS-AOC-10-SO-20-3]	B186542	09/19/17
17I0462-14 [WS-AOC-10-SO-16-1]	B186542	09/19/17
17I0462-15 [WS-AOC-10-SO-16-2]	B186542	09/19/17
17I0462-16 [WS-AOC-10-SO-16-3]	B186542	09/19/17
17I0462-17 [WS-AOC-10-SO-17-1]	B186542	09/19/17
17I0462-18 [WS-AOC-10-SO-17-2]	B186542	09/19/17
17I0462-19 [WS-AOC-10-SO-17-3]	B186542	09/19/17
17I0462-20 [WS-AOC-10-SO-31-1]	B186542	09/19/17

Prep Method: SW-846 3050B-SW-846 6010C-D

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17I0462-01 [WS-AOC-10-SO-1-1]	B186445	1.06	50.0	09/18/17
17I0462-04 [WS-AOC-10-SO-2-1]	B186445	1.03	50.0	09/18/17

Prep Method: SW-846 7471-SW-846 7471B

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17I0462-01 [WS-AOC-10-SO-1-1]	B186443	0.614	50.0	09/18/17
17I0462-04 [WS-AOC-10-SO-2-1]	B186443	0.624	50.0	09/18/17

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17I0462-01 [WS-AOC-10-SO-1-1]	B186493	10.0	10.0	09/18/17
17I0462-02 [WS-AOC-10-SO-1-2]	B186493	10.2	10.0	09/18/17
17I0462-03 [WS-AOC-10-SO-1-3]	B186493	10.1	10.0	09/18/17
17I0462-04 [WS-AOC-10-SO-2-1]	B186493	10.2	10.0	09/18/17
17I0462-05 [WS-AOC-10-SO-2-2]	B186493	10.1	10.0	09/18/17

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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
17I0462-06 [WS-AOC-10-SO-2-3]	B186493	10.0	10.0	09/18/17
17I0462-07 [WS-AOC-8-SO-6-1]	B186493	10.2	10.0	09/18/17
17I0462-08 [WS-AOC-8-SO-6-2]	B186493	10.0	10.0	09/18/17
17I0462-09 [WS-AOC-8-SO-6-3]	B186493	10.3	10.0	09/18/17
17I0462-10 [WS-AOC-8-SO-6-4]	B186493	10.2	10.0	09/18/17
17I0462-11 [WS-AOC-10-SO-20-1]	B186493	10.0	10.0	09/18/17
17I0462-12 [WS-AOC-10-SO-20-2]	B186493	10.0	10.0	09/18/17
17I0462-13 [WS-AOC-10-SO-20-3]	B186493	10.0	10.0	09/18/17
17I0462-14 [WS-AOC-10-SO-16-1]	B186493	10.0	10.0	09/18/17
17I0462-15 [WS-AOC-10-SO-16-2]	B186493	10.0	10.0	09/18/17
17I0462-16 [WS-AOC-10-SO-16-3]	B186493	10.0	10.0	09/18/17
17I0462-17 [WS-AOC-10-SO-17-1]	B186493	10.1	10.0	09/18/17
17I0462-18 [WS-AOC-10-SO-17-2]	B186493	10.2	10.0	09/18/17
17I0462-19 [WS-AOC-10-SO-17-3]	B186493	10.1	10.0	09/18/17
17I0462-20 [WS-AOC-10-SO-31-1]	B186493	10.0	10.0	09/18/17

Prep Method: SW-846 5035-SW-846 8260C

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17I0462-02 [WS-AOC-10-SO-1-2]	B186197	8.32	10.0	09/14/17
17I0462-05 [WS-AOC-10-SO-2-2]	B186197	9.05	10.0	09/14/17

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17I0462-01 [WS-AOC-10-SO-1-1]	B186451	30.1	1.00	09/18/17
17I0462-04 [WS-AOC-10-SO-2-1]	B186451	30.0	1.00	09/18/17
17I0462-08 [WS-AOC-8-SO-6-2]	B186451	30.0	1.00	09/18/17
17I0462-18 [WS-AOC-10-SO-17-2]	B186451	30.1	1.00	09/18/17

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B186197 - SW-846 5035										
Blank (B186197-BLK1)				Prepared & Analyzed: 09/14/17						
Acetone	ND	0.10	mg/Kg wet							
Acrylonitrile	ND	0.0060	mg/Kg wet							
Benzene	ND	0.0020	mg/Kg wet							
Bromobenzene	ND	0.0020	mg/Kg wet							
Bromodichloromethane	ND	0.0020	mg/Kg wet							
Bromoform	ND	0.0020	mg/Kg wet							
Bromomethane	ND	0.010	mg/Kg wet							
2-Butanone (MEK)	ND	0.040	mg/Kg wet							
n-Butylbenzene	ND	0.0020	mg/Kg wet							
sec-Butylbenzene	ND	0.0020	mg/Kg wet							
tert-Butylbenzene	ND	0.0020	mg/Kg wet							
Carbon Disulfide	ND	0.0060	mg/Kg wet							
Carbon Tetrachloride	ND	0.0020	mg/Kg wet							
Chlorobenzene	ND	0.0020	mg/Kg wet							
Chlorodibromomethane	ND	0.0010	mg/Kg wet							
Chloroethane	ND	0.020	mg/Kg wet							
Chloroform	ND	0.0040	mg/Kg wet							
Chloromethane	ND	0.010	mg/Kg wet							
2-Chlorotoluene	ND	0.0020	mg/Kg wet							
4-Chlorotoluene	ND	0.0020	mg/Kg wet							
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0020	mg/Kg wet							
1,2-Dibromoethane (EDB)	ND	0.0010	mg/Kg wet							
Dibromomethane	ND	0.0020	mg/Kg wet							
1,2-Dichlorobenzene	ND	0.0020	mg/Kg wet							
1,3-Dichlorobenzene	ND	0.0020	mg/Kg wet							
1,4-Dichlorobenzene	ND	0.0020	mg/Kg wet							
trans-1,4-Dichloro-2-butene	ND	0.0040	mg/Kg wet							
Dichlorodifluoromethane (Freon 12)	ND	0.020	mg/Kg wet							
1,1-Dichloroethane	ND	0.0020	mg/Kg wet							
1,2-Dichloroethane	ND	0.0020	mg/Kg wet							
1,1-Dichloroethylene	ND	0.0040	mg/Kg wet							
cis-1,2-Dichloroethylene	ND	0.0020	mg/Kg wet							
trans-1,2-Dichloroethylene	ND	0.0020	mg/Kg wet							
1,2-Dichloropropane	ND	0.0020	mg/Kg wet							
1,3-Dichloropropane	ND	0.0010	mg/Kg wet							
2,2-Dichloropropane	ND	0.0020	mg/Kg wet							
1,1-Dichloropropene	ND	0.0020	mg/Kg wet							
cis-1,3-Dichloropropene	ND	0.0010	mg/Kg wet							
trans-1,3-Dichloropropene	ND	0.0010	mg/Kg wet							
Ethylbenzene	ND	0.0020	mg/Kg wet							
Hexachlorobutadiene	ND	0.0020	mg/Kg wet							
2-Hexanone (MBK)	ND	0.020	mg/Kg wet							
Isopropylbenzene (Cumene)	ND	0.0020	mg/Kg wet							
p-Isopropyltoluene (p-Cymene)	ND	0.0020	mg/Kg wet							
Methyl tert-Butyl Ether (MTBE)	ND	0.0040	mg/Kg wet							
Methylene Chloride	ND	0.020	mg/Kg wet							
4-Methyl-2-pentanone (MIBK)	ND	0.020	mg/Kg wet							
Naphthalene	ND	0.0040	mg/Kg wet							
n-Propylbenzene	ND	0.0020	mg/Kg wet							
Styrene	ND	0.0020	mg/Kg wet							
1,1,1,2-Tetrachloroethane	ND	0.0020	mg/Kg wet							
1,1,2,2-Tetrachloroethane	ND	0.0040	mg/Kg wet							

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B186197 - SW-846 5035										
Blank (B186197-BLK1)				Prepared & Analyzed: 09/14/17						
Tetrachloroethylene	ND	0.0020	mg/Kg wet							
Tetrahydrofuran	ND	0.010	mg/Kg wet							V-16
Toluene	ND	0.0020	mg/Kg wet							
1,2,3-Trichlorobenzene	ND	0.0020	mg/Kg wet							
1,2,4-Trichlorobenzene	ND	0.0020	mg/Kg wet							
1,1,1-Trichloroethane	ND	0.0020	mg/Kg wet							
1,1,2-Trichloroethane	ND	0.0020	mg/Kg wet							
Trichloroethylene	ND	0.0020	mg/Kg wet							
Trichlorofluoromethane (Freon 11)	ND	0.010	mg/Kg wet							
1,2,3-Trichloropropane	ND	0.0020	mg/Kg wet							
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.010	mg/Kg wet							
1,2,4-Trimethylbenzene	ND	0.0020	mg/Kg wet							
1,3,5-Trimethylbenzene	ND	0.0020	mg/Kg wet							
Vinyl Chloride	ND	0.010	mg/Kg wet							
m+p Xylene	ND	0.0040	mg/Kg wet							
o-Xylene	ND	0.0020	mg/Kg wet							
Surrogate: 1,2-Dichloroethane-d4	*0.0536*		mg/Kg wet	0.0500		107	70-130			
Surrogate: Toluene-d8	*0.0526*		mg/Kg wet	0.0500		105	70-130			
Surrogate: 4-Bromofluorobenzene	*0.0517*		mg/Kg wet	0.0500		103	70-130			
LCS (B186197-BS1)				Prepared & Analyzed: 09/14/17						
Acetone	0.183	0.10	mg/Kg wet	0.200		91.5	70-130			
Acrylonitrile	0.0220	0.0060	mg/Kg wet	0.0200		110	70-130			
Benzene	0.0184	0.0020	mg/Kg wet	0.0200		91.8	70-130			
Bromobenzene	0.0170	0.0020	mg/Kg wet	0.0200		85.2	70-130			
Bromodichloromethane	0.0189	0.0020	mg/Kg wet	0.0200		94.6	70-130			
Bromoform	0.0169	0.0020	mg/Kg wet	0.0200		84.3	70-130			
Bromomethane	0.0212	0.010	mg/Kg wet	0.0200		106	70-130			
2-Butanone (MEK)	0.209	0.040	mg/Kg wet	0.200		104	70-130			
n-Butylbenzene	0.0181	0.0020	mg/Kg wet	0.0200		90.4	70-130			
sec-Butylbenzene	0.0185	0.0020	mg/Kg wet	0.0200		92.7	70-130			
tert-Butylbenzene	0.0201	0.0020	mg/Kg wet	0.0200		101	70-130			
Carbon Disulfide	0.240	0.0060	mg/Kg wet	0.200		120	70-130			
Carbon Tetrachloride	0.0200	0.0020	mg/Kg wet	0.0200		100	70-130			
Chlorobenzene	0.0177	0.0020	mg/Kg wet	0.0200		88.7	70-130			
Chlorodibromomethane	0.0214	0.0010	mg/Kg wet	0.0200		107	70-130			
Chloroethane	0.0175	0.020	mg/Kg wet	0.0200		87.4	70-130			
Chloroform	0.0198	0.0040	mg/Kg wet	0.0200		99.2	70-130			
Chloromethane	0.0214	0.010	mg/Kg wet	0.0200		107	70-130			
2-Chlorotoluene	0.0183	0.0020	mg/Kg wet	0.0200		91.5	70-130			
4-Chlorotoluene	0.0183	0.0020	mg/Kg wet	0.0200		91.4	70-130			
1,2-Dibromo-3-chloropropane (DBCP)	0.0199	0.0020	mg/Kg wet	0.0200		99.5	70-130			
1,2-Dibromoethane (EDB)	0.0208	0.0010	mg/Kg wet	0.0200		104	70-130			
Dibromomethane	0.0197	0.0020	mg/Kg wet	0.0200		98.6	70-130			
1,2-Dichlorobenzene	0.0189	0.0020	mg/Kg wet	0.0200		94.3	70-130			
1,3-Dichlorobenzene	0.0189	0.0020	mg/Kg wet	0.0200		94.4	70-130			
1,4-Dichlorobenzene	0.0177	0.0020	mg/Kg wet	0.0200		88.3	70-130			
trans-1,4-Dichloro-2-butene	0.0182	0.0040	mg/Kg wet	0.0200		91.0	70-130			
Dichlorodifluoromethane (Freon 12)	0.0241	0.020	mg/Kg wet	0.0200		121	70-130			
1,1-Dichloroethane	0.0205	0.0020	mg/Kg wet	0.0200		103	70-130			
1,2-Dichloroethane	0.0237	0.0020	mg/Kg wet	0.0200		118	70-130			
1,1-Dichloroethylene	0.0211	0.0040	mg/Kg wet	0.0200		106	70-130			

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes
Batch B186197 - SW-846 5035											
LCS (B186197-BS1)				Prepared & Analyzed: 09/14/17							
cis-1,2-Dichloroethylene	0.0204	0.0020	mg/Kg wet	0.0200		102		70-130			
trans-1,2-Dichloroethylene	0.0252	0.0020	mg/Kg wet	0.0200		126		70-130			V-20
1,2-Dichloropropane	0.0211	0.0020	mg/Kg wet	0.0200		105		70-130			
1,3-Dichloropropane	0.0197	0.0010	mg/Kg wet	0.0200		98.7		70-130			
2,2-Dichloropropane	0.0195	0.0020	mg/Kg wet	0.0200		97.5		70-130			
1,1-Dichloropropene	0.0196	0.0020	mg/Kg wet	0.0200		98.0		70-130			
cis-1,3-Dichloropropene	0.0194	0.0010	mg/Kg wet	0.0200		96.8		70-130			
trans-1,3-Dichloropropene	0.0211	0.0010	mg/Kg wet	0.0200		105		70-130			
Ethylbenzene	0.0184	0.0020	mg/Kg wet	0.0200		91.9		70-130			
Hexachlorobutadiene	0.0221	0.0020	mg/Kg wet	0.0200		111		70-130			
2-Hexanone (MBK)	0.211	0.020	mg/Kg wet	0.200		106		70-130			
Isopropylbenzene (Cumene)	0.0191	0.0020	mg/Kg wet	0.0200		95.3		70-130			
p-Isopropyltoluene (p-Cymene)	0.0202	0.0020	mg/Kg wet	0.0200		101		70-130			
Methyl tert-Butyl Ether (MTBE)	0.0199	0.0040	mg/Kg wet	0.0200		99.3		70-130			
Methylene Chloride	0.0220	0.020	mg/Kg wet	0.0200		110		70-130			
4-Methyl-2-pentanone (MIBK)	0.219	0.020	mg/Kg wet	0.200		110		70-130			
Naphthalene	0.0160	0.0040	mg/Kg wet	0.0200		80.1		70-130			
n-Propylbenzene	0.0180	0.0020	mg/Kg wet	0.0200		90.2		70-130			
Styrene	0.0181	0.0020	mg/Kg wet	0.0200		90.7		70-130			
1,1,1,2-Tetrachloroethane	0.0194	0.0020	mg/Kg wet	0.0200		96.8		70-130			
1,1,2,2-Tetrachloroethane	0.0160	0.0040	mg/Kg wet	0.0200		80.1		70-130			
Tetrachloroethylene	0.0215	0.0020	mg/Kg wet	0.0200		107		70-130			
Tetrahydrofuran	0.0192	0.010	mg/Kg wet	0.0200		96.1		70-130			V-16
Toluene	0.0201	0.0020	mg/Kg wet	0.0200		101		70-130			
1,2,3-Trichlorobenzene	0.0183	0.0020	mg/Kg wet	0.0200		91.5		70-130			
1,2,4-Trichlorobenzene	0.0185	0.0020	mg/Kg wet	0.0200		92.3		70-130			
1,1,1-Trichloroethane	0.0218	0.0020	mg/Kg wet	0.0200		109		70-130			
1,1,2-Trichloroethane	0.0199	0.0020	mg/Kg wet	0.0200		99.3		70-130			
Trichloroethylene	0.0205	0.0020	mg/Kg wet	0.0200		103		70-130			
Trichlorofluoromethane (Freon 11)	0.0273	0.010	mg/Kg wet	0.0200		**136**	*	70-130			L-01, V-20
1,2,3-Trichloropropane	0.0205	0.0020	mg/Kg wet	0.0200		102		70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.0248	0.010	mg/Kg wet	0.0200		124		70-130			
1,2,4-Trimethylbenzene	0.0205	0.0020	mg/Kg wet	0.0200		102		70-130			
1,3,5-Trimethylbenzene	0.0191	0.0020	mg/Kg wet	0.0200		95.5		70-130			
Vinyl Chloride	0.0192	0.010	mg/Kg wet	0.0200		95.9		70-130			
m+p Xylene	0.0373	0.0040	mg/Kg wet	0.0400		93.4		70-130			
o-Xylene	0.0187	0.0020	mg/Kg wet	0.0200		93.5		70-130			
Surrogate: 1,2-Dichloroethane-d4	*0.0532*		mg/Kg wet	0.0500		106		70-130			
Surrogate: Toluene-d8	*0.0530*		mg/Kg wet	0.0500		106		70-130			
Surrogate: 4-Bromofluorobenzene	*0.0524*		mg/Kg wet	0.0500		105		70-130			

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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 B186451 - SW-846 3546										
Blank (B186451-BLK1)				Prepared: 09/18/17 Analyzed: 09/19/17						
Acenaphthene	ND	0.17	mg/Kg wet							
Acenaphthylene	ND	0.17	mg/Kg wet							
Aniline	ND	0.34	mg/Kg wet							L-04
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							
Bis(2-chloroethoxy)methane	ND	0.34	mg/Kg wet							
Bis(2-chloroethyl)ether	ND	0.34	mg/Kg wet							
Bis(2-chloroisopropyl)ether	ND	0.34	mg/Kg wet							
Bis(2-Ethylhexyl)phthalate	ND	0.34	mg/Kg wet							
4-Bromophenylphenylether	ND	0.34	mg/Kg wet							
Butylbenzylphthalate	ND	0.34	mg/Kg wet							
Carbazole	ND	0.17	mg/Kg wet							
4-Chloroaniline	ND	0.66	mg/Kg wet							L-04
4-Chloro-3-methylphenol	ND	0.66	mg/Kg wet							
2-Chloronaphthalene	ND	0.34	mg/Kg wet							
2-Chlorophenol	ND	0.34	mg/Kg wet							
4-Chlorophenylphenylether	ND	0.34	mg/Kg wet							
Chrysene	ND	0.17	mg/Kg wet							
Dibenz(a,h)anthracene	ND	0.17	mg/Kg wet							
Dibenzofuran	ND	0.34	mg/Kg wet							
Di-n-butylphthalate	ND	0.34	mg/Kg wet							
3,3-Dichlorobenzidine	ND	0.17	mg/Kg wet							
2,4-Dichlorophenol	ND	0.34	mg/Kg wet							
Diethylphthalate	ND	0.34	mg/Kg wet							
2,4-Dimethylphenol	ND	0.34	mg/Kg wet							
Dimethylphthalate	ND	0.34	mg/Kg wet							
4,6-Dinitro-2-methylphenol	ND	0.34	mg/Kg wet							
2,4-Dinitrophenol	ND	0.66	mg/Kg wet							
2,4-Dinitrotoluene	ND	0.34	mg/Kg wet							
2,6-Dinitrotoluene	ND	0.34	mg/Kg wet							
Di-n-octylphthalate	ND	0.34	mg/Kg wet							
Fluoranthene	ND	0.17	mg/Kg wet							
Fluorene	ND	0.17	mg/Kg wet							
Hexachlorobenzene	ND	0.34	mg/Kg wet							
Hexachlorobutadiene	ND	0.34	mg/Kg wet							
Hexachlorocyclopentadiene	ND	0.34	mg/Kg wet							V-05
Hexachloroethane	ND	0.34	mg/Kg wet							
Indeno(1,2,3-cd)pyrene	ND	0.17	mg/Kg wet							
Isophorone	ND	0.34	mg/Kg wet							
2-Methylnaphthalene	ND	0.17	mg/Kg wet							
2-Methylphenol	ND	0.34	mg/Kg wet							
3/4-Methylphenol	ND	0.34	mg/Kg wet							
Naphthalene	ND	0.17	mg/Kg wet							
2-Nitroaniline	ND	0.34	mg/Kg wet							
3-Nitroaniline	ND	0.34	mg/Kg wet							
4-Nitroaniline	ND	0.34	mg/Kg wet							
Nitrobenzene	ND	0.34	mg/Kg wet							
2-Nitrophenol	ND	0.34	mg/Kg wet							

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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 B186451 - SW-846 3546												
Blank (B186451-BLK1)				Prepared: 09/18/17 Analyzed: 09/19/17								
4-Nitrophenol	ND	0.66	mg/Kg wet									
N-Nitrosodiphenylamine	ND	0.34	mg/Kg wet									
N-Nitrosodi-n-propylamine	ND	0.34	mg/Kg wet									
Pentachloronitrobenzene	ND	0.34	mg/Kg wet								V-16, V-20	
Pentachlorophenol	ND	0.34	mg/Kg wet									
Phenanthrene	ND	0.17	mg/Kg wet									
Phenol	ND	0.34	mg/Kg wet									
Pyrene	ND	0.17	mg/Kg wet									
Pyridine	ND	0.34	mg/Kg wet									
1,2,4,5-Tetrachlorobenzene	ND	0.34	mg/Kg wet									
1,2,4-Trichlorobenzene	ND	0.34	mg/Kg wet									
2,4,5-Trichlorophenol	ND	0.34	mg/Kg wet									
2,4,6-Trichlorophenol	ND	0.34	mg/Kg wet									
Surrogate: 2-Fluorophenol	*3.79*		mg/Kg wet	6.67		56.9		30-130				
Surrogate: Phenol-d6	*3.77*		mg/Kg wet	6.67		56.5		30-130				
Surrogate: Nitrobenzene-d5	*1.88*		mg/Kg wet	3.33		56.5		30-130				
Surrogate: 2-Fluorobiphenyl	*2.16*		mg/Kg wet	3.33		64.9		30-130				
Surrogate: 2,4,6-Tribromophenol	*6.08*		mg/Kg wet	6.67		91.1		30-130				
Surrogate: p-Terphenyl-d14	*2.81*		mg/Kg wet	3.33		84.2		30-130				
LCS (B186451-BS1)				Prepared: 09/18/17 Analyzed: 09/19/17								
Acenaphthene	0.952	0.17	mg/Kg wet	1.67		57.1		40-140				
Acenaphthylene	0.981	0.17	mg/Kg wet	1.67		58.9		40-140				
Aniline	0.639	0.34	mg/Kg wet	1.67		**38.4**	*	40-140			L-04	†
Anthracene	1.05	0.17	mg/Kg wet	1.67		63.1		40-140				
Benzo(a)anthracene	1.14	0.17	mg/Kg wet	1.67		68.3		40-140				
Benzo(a)pyrene	1.09	0.17	mg/Kg wet	1.67		65.3		40-140				
Benzo(b)fluoranthene	1.06	0.17	mg/Kg wet	1.67		63.7		40-140				
Benzo(g,h,i)perylene	1.17	0.17	mg/Kg wet	1.67		70.3		40-140				
Benzo(k)fluoranthene	1.06	0.17	mg/Kg wet	1.67		63.5		40-140				
Bis(2-chloroethoxy)methane	1.12	0.34	mg/Kg wet	1.67		67.3		40-140				
Bis(2-chloroethyl)ether	1.02	0.34	mg/Kg wet	1.67		61.0		40-140				
Bis(2-chloroisopropyl)ether	0.961	0.34	mg/Kg wet	1.67		57.7		40-140				
Bis(2-Ethylhexyl)phthalate	1.02	0.34	mg/Kg wet	1.67		60.9		40-140				
4-Bromophenylphenylether	1.35	0.34	mg/Kg wet	1.67		80.8		40-140				
Butylbenzylphthalate	1.08	0.34	mg/Kg wet	1.67		64.9		40-140				
Carbazole	1.04	0.17	mg/Kg wet	1.67		62.4		40-140				
4-Chloroaniline	0.607	0.66	mg/Kg wet	1.67		**36.4**	*	40-140			L-04	†
4-Chloro-3-methylphenol	1.10	0.66	mg/Kg wet	1.67		65.9		30-130				
2-Chloronaphthalene	1.03	0.34	mg/Kg wet	1.67		61.8		40-140				
2-Chlorophenol	1.07	0.34	mg/Kg wet	1.67		63.9		30-130				
4-Chlorophenylphenylether	1.23	0.34	mg/Kg wet	1.67		73.8		40-140				
Chrysene	1.07	0.17	mg/Kg wet	1.67		64.1		40-140				
Dibenz(a,h)anthracene	1.17	0.17	mg/Kg wet	1.67		70.2		40-140				
Dibenzofuran	1.11	0.34	mg/Kg wet	1.67		66.6		40-140				
Di-n-butylphthalate	1.06	0.34	mg/Kg wet	1.67		63.8		40-140				
3,3-Dichlorobenzidine	1.25	0.17	mg/Kg wet	1.67		75.3		40-140				†
2,4-Dichlorophenol	1.22	0.34	mg/Kg wet	1.67		72.9		30-130				
Diethylphthalate	1.14	0.34	mg/Kg wet	1.67		68.4		40-140				
2,4-Dimethylphenol	1.10	0.34	mg/Kg wet	1.67		66.1		30-130				
Dimethylphthalate	1.16	0.34	mg/Kg wet	1.67		69.6		40-140				
4,6-Dinitro-2-methylphenol	0.904	0.34	mg/Kg wet	1.67		54.2		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 B186451 - SW-846 3546												
LCS (B186451-BS1)				Prepared: 09/18/17 Analyzed: 09/19/17								
2,4-Dinitrophenol	0.721	0.66	mg/Kg wet	1.67		43.2		30-130				
2,4-Dinitrotoluene	1.24	0.34	mg/Kg wet	1.67		74.4		40-140				
2,6-Dinitrotoluene	1.28	0.34	mg/Kg wet	1.67		76.9		40-140				
Di-n-octylphthalate	0.954	0.34	mg/Kg wet	1.67		57.3		40-140				
Fluoranthene	1.10	0.17	mg/Kg wet	1.67		66.2		40-140				
Fluorene	1.06	0.17	mg/Kg wet	1.67		63.6		40-140				
Hexachlorobenzene	1.41	0.34	mg/Kg wet	1.67		84.7		40-140				
Hexachlorobutadiene	1.26	0.34	mg/Kg wet	1.67		75.9		40-140				
Hexachlorocyclopentadiene	0.676	0.34	mg/Kg wet	1.67		40.6		30-140			V-05	
Hexachloroethane	0.923	0.34	mg/Kg wet	1.67		55.4		40-140				
Indeno(1,2,3-cd)pyrene	1.17	0.17	mg/Kg wet	1.67		70.2		40-140				
Isophorone	1.10	0.34	mg/Kg wet	1.67		65.7		40-140				
2-Methylnaphthalene	1.11	0.17	mg/Kg wet	1.67		66.5		40-140				
2-Methylphenol	0.969	0.34	mg/Kg wet	1.67		58.2		30-130				
3/4-Methylphenol	1.04	0.34	mg/Kg wet	1.67		62.1		30-130				
Naphthalene	1.03	0.17	mg/Kg wet	1.67		61.9		40-140				
2-Nitroaniline	1.05	0.34	mg/Kg wet	1.67		63.0		40-140				
3-Nitroaniline	0.860	0.34	mg/Kg wet	1.67		51.6		40-140				†
4-Nitroaniline	1.01	0.34	mg/Kg wet	1.67		60.4		40-140				
Nitrobenzene	1.12	0.34	mg/Kg wet	1.67		67.0		40-140				
2-Nitrophenol	1.12	0.34	mg/Kg wet	1.67		67.0		30-130				
4-Nitrophenol	1.35	0.66	mg/Kg wet	1.67		80.7		10-130				
N-Nitrosodiphenylamine	1.37	0.34	mg/Kg wet	1.67		82.2		40-140				
N-Nitrosodi-n-propylamine	0.965	0.34	mg/Kg wet	1.67		57.9		40-140				
Pentachloronitrobenzene	1.42	0.34	mg/Kg wet	1.67		85.5		40-140			V-16, V-20	
Pentachlorophenol	0.880	0.34	mg/Kg wet	1.67		52.8		30-130				
Phenanthrene	1.07	0.17	mg/Kg wet	1.67		64.4		40-140				
Phenol	1.05	0.34	mg/Kg wet	1.67		62.9		20-130				
Pyrene	1.09	0.17	mg/Kg wet	1.67		65.2		40-140				
Pyridine	0.622	0.34	mg/Kg wet	1.67		37.3		10-140				†
1,2,4,5-Tetrachlorobenzene	1.20	0.34	mg/Kg wet	1.67		71.9		40-140				
1,2,4-Trichlorobenzene	1.25	0.34	mg/Kg wet	1.67		75.1		40-140				
2,4,5-Trichlorophenol	1.27	0.34	mg/Kg wet	1.67		76.5		30-130				
2,4,6-Trichlorophenol	1.26	0.34	mg/Kg wet	1.67		75.4		30-130				
Surrogate: 2-Fluorophenol	*4.53*		mg/Kg wet	6.67		67.9		30-130				
Surrogate: Phenol-d6	*4.46*		mg/Kg wet	6.67		67.0		30-130				
Surrogate: Nitrobenzene-d5	*2.27*		mg/Kg wet	3.33		68.1		30-130				
Surrogate: 2-Fluorobiphenyl	*2.64*		mg/Kg wet	3.33		79.2		30-130				
Surrogate: 2,4,6-Tribromophenol	*6.88*		mg/Kg wet	6.67		103		30-130				
Surrogate: p-Terphenyl-d14	*2.84*		mg/Kg wet	3.33		85.3		30-130				
LCS Dup (B186451-BSD1)				Prepared: 09/18/17 Analyzed: 09/19/17								
Acenaphthene	0.825	0.17	mg/Kg wet	1.67		49.5		40-140	14.3	30		
Acenaphthylene	0.850	0.17	mg/Kg wet	1.67		51.0		40-140	14.3	30		
Aniline	0.567	0.34	mg/Kg wet	1.67		**34.0**	*	40-140	12.0	50	L-04	† ‡
Anthracene	0.944	0.17	mg/Kg wet	1.67		56.7		40-140	10.8	30		
Benzo(a)anthracene	1.00	0.17	mg/Kg wet	1.67		60.0		40-140	13.0	30		
Benzo(a)pyrene	0.979	0.17	mg/Kg wet	1.67		58.7		40-140	10.6	30		
Benzo(b)fluoranthene	0.959	0.17	mg/Kg wet	1.67		57.5		40-140	10.2	30		
Benzo(g,h,i)perylene	1.03	0.17	mg/Kg wet	1.67		61.8		40-140	12.9	30		
Benzo(k)fluoranthene	0.942	0.17	mg/Kg wet	1.67		56.5		40-140	11.6	30		
Bis(2-chloroethoxy)methane	1.01	0.34	mg/Kg wet	1.67		60.6		40-140	10.5	30		

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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 B186451 - SW-846 3546												
LCS Dup (B186451-BSD1)				Prepared: 09/18/17 Analyzed: 09/19/17								
Bis(2-chloroethyl)ether	0.896	0.34	mg/Kg wet	1.67		53.8		40-140	12.7	30		
Bis(2-chloroisopropyl)ether	0.867	0.34	mg/Kg wet	1.67		52.0		40-140	10.3	30		
Bis(2-Ethylhexyl)phthalate	0.921	0.34	mg/Kg wet	1.67		55.3		40-140	9.78	30		
4-Bromophenylphenylether	1.19	0.34	mg/Kg wet	1.67		71.7		40-140	12.0	30		
Butylbenzylphthalate	0.953	0.34	mg/Kg wet	1.67		57.2		40-140	12.6	30		
Carbazole	0.913	0.17	mg/Kg wet	1.67		54.8		40-140	13.0	30		
4-Chloroaniline	0.510	0.66	mg/Kg wet	1.67		**30.6**	*	40-140	17.3	30	L-04	†
4-Chloro-3-methylphenol	0.988	0.66	mg/Kg wet	1.67		59.3		30-130	10.6	30		
2-Chloronaphthalene	0.910	0.34	mg/Kg wet	1.67		54.6		40-140	12.4	30		
2-Chlorophenol	0.956	0.34	mg/Kg wet	1.67		57.4		30-130	10.8	30		
4-Chlorophenylphenylether	1.11	0.34	mg/Kg wet	1.67		66.4		40-140	10.7	30		
Chrysene	0.939	0.17	mg/Kg wet	1.67		56.4		40-140	12.9	30		
Dibenz(a,h)anthracene	1.04	0.17	mg/Kg wet	1.67		62.2		40-140	12.1	30		
Dibenzofuran	0.972	0.34	mg/Kg wet	1.67		58.3		40-140	13.3	30		
Di-n-butylphthalate	0.963	0.34	mg/Kg wet	1.67		57.8		40-140	9.87	30		
3,3-Dichlorobenzidine	1.05	0.17	mg/Kg wet	1.67		62.8		40-140	18.1	30		† ‡
2,4-Dichlorophenol	1.10	0.34	mg/Kg wet	1.67		65.9		30-130	10.1	30		
Diethylphthalate	1.00	0.34	mg/Kg wet	1.67		60.1		40-140	13.0	30		
2,4-Dimethylphenol	1.00	0.34	mg/Kg wet	1.67		60.1		30-130	9.58	30		
Dimethylphthalate	1.04	0.34	mg/Kg wet	1.67		62.7		40-140	10.4	50		
4,6-Dinitro-2-methylphenol	0.832	0.34	mg/Kg wet	1.67		49.9		30-130	8.22	50		
2,4-Dinitrophenol	0.676	0.66	mg/Kg wet	1.67		40.5		30-130	6.45	50		
2,4-Dinitrotoluene	1.08	0.34	mg/Kg wet	1.67		65.0		40-140	13.5	30		
2,6-Dinitrotoluene	1.13	0.34	mg/Kg wet	1.67		67.6		40-140	13.0	30		
Di-n-octylphthalate	0.871	0.34	mg/Kg wet	1.67		52.3		40-140	9.13	30		
Fluoranthene	1.01	0.17	mg/Kg wet	1.67		60.5		40-140	8.99	30		
Fluorene	0.938	0.17	mg/Kg wet	1.67		56.3		40-140	12.2	30		
Hexachlorobenzene	1.26	0.34	mg/Kg wet	1.67		75.9		40-140	11.0	30		
Hexachlorobutadiene	1.11	0.34	mg/Kg wet	1.67		66.9		40-140	12.6	30		
Hexachlorocyclopentadiene	0.590	0.34	mg/Kg wet	1.67		35.4		30-140	13.7	50	V-05	
Hexachloroethane	0.904	0.34	mg/Kg wet	1.67		54.2		40-140	2.08	50		
Indeno(1,2,3-cd)pyrene	1.03	0.17	mg/Kg wet	1.67		61.8		40-140	12.6	50		
Indeno(1,2,3-cd)pyrene	1.03	0.17	mg/Kg wet	1.67		61.8		40-140	12.6	30		
Isophorone	0.981	0.34	mg/Kg wet	1.67		58.8		40-140	11.0	30		
2-Methylnaphthalene	0.994	0.17	mg/Kg wet	1.67		59.6		40-140	10.9	30		
2-Methylphenol	0.861	0.34	mg/Kg wet	1.67		51.7		30-130	11.8	30		
3/4-Methylphenol	0.941	0.34	mg/Kg wet	1.67		56.5		30-130	9.51	30		
Naphthalene	0.909	0.17	mg/Kg wet	1.67		54.5		40-140	12.6	30		
2-Nitroaniline	0.911	0.34	mg/Kg wet	1.67		54.7		40-140	14.2	30		
3-Nitroaniline	0.785	0.34	mg/Kg wet	1.67		47.1		40-140	9.20	30		†
4-Nitroaniline	0.898	0.34	mg/Kg wet	1.67		53.9		40-140	11.4	30		
Nitrobenzene	0.972	0.34	mg/Kg wet	1.67		58.3		40-140	13.8	30		
2-Nitrophenol	1.00	0.34	mg/Kg wet	1.67		60.1		30-130	10.9	30		
4-Nitrophenol	1.08	0.66	mg/Kg wet	1.67		64.6		10-130	22.2	50		‡
N-Nitrosodiphenylamine	1.24	0.34	mg/Kg wet	1.67		74.2		40-140	10.3	30		
N-Nitrosodi-n-propylamine	0.862	0.34	mg/Kg wet	1.67		51.7		40-140	11.2	30		
Pentachloronitrobenzene	1.30	0.34	mg/Kg wet	1.67		77.8		40-140	9.36	30	V-16, V-20	
Pentachlorophenol	0.765	0.34	mg/Kg wet	1.67		45.9		30-130	14.0	50		
Phenanthrene	0.938	0.17	mg/Kg wet	1.67		56.3		40-140	13.6	30		
Phenol	0.928	0.34	mg/Kg wet	1.67		55.7		20-130	12.2	30		
Pyrene	1.00	0.17	mg/Kg wet	1.67		60.3		40-140	7.84	30		
Pyridine	0.544	0.34	mg/Kg wet	1.67		32.6		10-140	13.4	50		†

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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 B186451 - SW-846 3546										
LCS Dup (B186451-BSD1)				Prepared: 09/18/17 Analyzed: 09/19/17						
1,2,4,5-Tetrachlorobenzene	1.03	0.34	mg/Kg wet	1.67		62.0	40-140	14.8	30	
1,2,4-Trichlorobenzene	1.13	0.34	mg/Kg wet	1.67		67.5	40-140	10.6	30	
2,4,5-Trichlorophenol	1.08	0.34	mg/Kg wet	1.67		64.7	30-130	16.7	30	
2,4,6-Trichlorophenol	1.07	0.34	mg/Kg wet	1.67		64.0	30-130	16.4	50	
Surrogate: 2-Fluorophenol	*4.00*		mg/Kg wet	6.67		60.0	30-130			
Surrogate: Phenol-d6	*3.92*		mg/Kg wet	6.67		58.8	30-130			
Surrogate: Nitrobenzene-d5	*1.99*		mg/Kg wet	3.33		59.6	30-130			
Surrogate: 2-Fluorobiphenyl	*2.27*		mg/Kg wet	3.33		68.2	30-130			
Surrogate: 2,4,6-Tribromophenol	*6.03*		mg/Kg wet	6.67		90.5	30-130			
Surrogate: p-Terphenyl-d14	*2.55*		mg/Kg wet	3.33		76.6	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 B186493 - SW-846 3540C										
Blank (B186493-BLK1)				Prepared: 09/18/17 Analyzed: 09/25/17						
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	*0.173*		mg/Kg wet	0.200		86.6	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.171*		mg/Kg wet	0.200		85.3	30-150			
Surrogate: Tetrachloro-m-xylene	*0.176*		mg/Kg wet	0.200		88.1	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.157*		mg/Kg wet	0.200		78.5	30-150			
LCS (B186493-BS1)				Prepared: 09/18/17 Analyzed: 09/25/17						
Aroclor-1016	0.17	0.020	mg/Kg wet	0.200		84.1	40-140			
Aroclor-1016 [2C]	0.18	0.020	mg/Kg wet	0.200		88.9	40-140			
Aroclor-1260	0.17	0.020	mg/Kg wet	0.200		84.4	40-140			
Aroclor-1260 [2C]	0.15	0.020	mg/Kg wet	0.200		75.9	40-140			
Surrogate: Decachlorobiphenyl	*0.172*		mg/Kg wet	0.200		86.1	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.161*		mg/Kg wet	0.200		80.4	30-150			
Surrogate: Tetrachloro-m-xylene	*0.162*		mg/Kg wet	0.200		81.1	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.150*		mg/Kg wet	0.200		74.9	30-150			
LCS Dup (B186493-BSD1)				Prepared: 09/18/17 Analyzed: 09/25/17						
Aroclor-1016	0.18	0.020	mg/Kg wet	0.200		90.2	40-140	6.97	30	
Aroclor-1016 [2C]	0.17	0.020	mg/Kg wet	0.200		86.8	40-140	2.31	30	
Aroclor-1260	0.17	0.020	mg/Kg wet	0.200		85.2	40-140	0.951	30	
Aroclor-1260 [2C]	0.17	0.020	mg/Kg wet	0.200		83.8	40-140	9.81	30	
Surrogate: Decachlorobiphenyl	*0.171*		mg/Kg wet	0.200		85.3	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.176*		mg/Kg wet	0.200		87.9	30-150			
Surrogate: Tetrachloro-m-xylene	*0.178*		mg/Kg wet	0.200		88.8	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.165*		mg/Kg wet	0.200		82.7	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 B186493 - SW-846 3540C										
Matrix Spike (B186493-MS1)		**Source: 17I0462-01**		Prepared: 09/18/17 Analyzed: 09/26/17						
Aroclor-1016	0.26	0.091	mg/Kg dry	0.227	ND	115	40-140			
Aroclor-1016 [2C]	0.24	0.091	mg/Kg dry	0.227	ND	107	40-140			
Aroclor-1260	0.26	0.091	mg/Kg dry	0.227	ND	115	40-140			
Aroclor-1260 [2C]	0.24	0.091	mg/Kg dry	0.227	ND	106	40-140			
Surrogate: Decachlorobiphenyl	*0.246*		mg/Kg dry	0.227		109	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.235*		mg/Kg dry	0.227		104	30-150			
Surrogate: Tetrachloro-m-xylene	*0.238*		mg/Kg dry	0.227		105	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.229*		mg/Kg dry	0.227		101	30-150			
Matrix Spike Dup (B186493-MSD1)		**Source: 17I0462-01**		Prepared: 09/18/17 Analyzed: 09/26/17						
Aroclor-1016	0.24	0.091	mg/Kg dry	0.227	ND	107	40-140	6.81	50	
Aroclor-1016 [2C]	0.22	0.091	mg/Kg dry	0.227	ND	99.2	40-140	8.05	50	
Aroclor-1260	0.24	0.091	mg/Kg dry	0.227	ND	106	40-140	7.99	50	
Aroclor-1260 [2C]	0.22	0.091	mg/Kg dry	0.227	ND	96.2	40-140	9.63	50	
Surrogate: Decachlorobiphenyl	*0.235*		mg/Kg dry	0.227		104	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.226*		mg/Kg dry	0.227		99.8	30-150			
Surrogate: Tetrachloro-m-xylene	*0.234*		mg/Kg dry	0.227		103	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.220*		mg/Kg dry	0.227		97.1	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 B186524 - SW-846 3546										
Blank (B186524-BLK1)				Prepared: 09/19/17 Analyzed: 09/20/17						
CT ETPH	ND	10	mg/Kg wet							
Surrogate: o-Terphenyl	*3.40*		mg/Kg wet	3.33		102	50-150			
LCS (B186524-BS1)				Prepared: 09/19/17 Analyzed: 09/20/17						
CT ETPH	27.1	10	mg/Kg wet	33.3		81.4	60-120			
Surrogate: o-Terphenyl	*3.36*		mg/Kg wet	3.33		101	50-150			
LCS Dup (B186524-BSD1)				Prepared: 09/19/17 Analyzed: 09/20/17						
CT ETPH	28.2	10	mg/Kg wet	33.3		84.7	60-120	3.94	30	
Surrogate: o-Terphenyl	*3.61*		mg/Kg wet	3.33		108	50-150			

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QUALITY CONTROL

Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B186443 - SW-846 7471										
Blank (B186443-BLK1)				Prepared: 09/18/17 Analyzed: 09/19/17						
Mercury	ND	0.025	mg/Kg wet							
LCS (B186443-BS1)				Prepared: 09/18/17 Analyzed: 09/19/17						
Mercury	8.51	1.9	mg/Kg wet	9.36		90.9	73.7-126.3			
LCS Dup (B186443-BSD1)				Prepared: 09/18/17 Analyzed: 09/19/17						
Mercury	8.71	1.9	mg/Kg wet	9.36		93.0	73.7-126.3	2.35	30	
Batch B186445 - SW-846 3050B										
Blank (B186445-BLK1)				Prepared: 09/18/17 Analyzed: 09/19/17						
Antimony	ND	2.5	mg/Kg wet							
Arsenic	ND	2.5	mg/Kg wet							
Barium	ND	2.5	mg/Kg wet							
Beryllium	ND	0.25	mg/Kg wet							
Cadmium	ND	0.25	mg/Kg wet							
Chromium	ND	0.50	mg/Kg wet							
Copper	ND	0.50	mg/Kg wet							
Lead	ND	0.75	mg/Kg wet							
Nickel	ND	0.50	mg/Kg wet							
Selenium	ND	5.0	mg/Kg wet							
Silver	ND	0.50	mg/Kg wet							
Thallium	ND	2.5	mg/Kg wet							
Vanadium	ND	1.0	mg/Kg wet							
Zinc	ND	1.0	mg/Kg wet							
LCS (B186445-BS1)				Prepared: 09/18/17 Analyzed: 09/19/17						
Antimony	67.6	5.0	mg/Kg wet	146		46.3	0-210.3			
Arsenic	137	5.0	mg/Kg wet	157		87.2	77.8-122.1			
Barium	309	5.0	mg/Kg wet	339		91.1	82-117.4			
Beryllium	53.6	0.50	mg/Kg wet	58.3		92.0	82.3-117.7			
Cadmium	190	0.50	mg/Kg wet	216		88.1	81.9-118.2			
Chromium	82.9	1.0	mg/Kg wet	88.9		93.3	78.7-120.6			
Copper	176	1.0	mg/Kg wet	184		95.6	80.4-119.6			
Lead	82.3	1.5	mg/Kg wet	94.3		87.3	82.4-117.8			
Nickel	138	1.0	mg/Kg wet	154		89.7	82.2-117.8			
Selenium	178	10	mg/Kg wet	207		85.8	77.1-122.3			
Silver	41.7	1.0	mg/Kg wet	43.8		95.2	74.3-125.4			
Thallium	152	5.0	mg/Kg wet	167		91.1	78.2-121.6			
Vanadium	87.2	2.0	mg/Kg wet	100		87.2	64.8-135.2			
Zinc	189	2.0	mg/Kg wet	209		90.5	79.7-120.8			

con-test® ANALYTICAL LABORATORY

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

QUALITY CONTROL

Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B186445 - SW-846 3050B										
LCS Dup (B186445-BSD1)				Prepared: 09/18/17 Analyzed: 09/19/17						
Antimony	73.3	4.9	mg/Kg wet	146		50.2	0-210.3	8.02	30	
Arsenic	150	4.9	mg/Kg wet	157		95.8	77.8-122.1	9.44	30	
Barium	332	4.9	mg/Kg wet	339		97.8	82-117.4	7.17	30	
Beryllium	60.5	0.49	mg/Kg wet	58.3		104	82.3-117.7	11.9	30	
Cadmium	210	0.49	mg/Kg wet	216		97.3	81.9-118.2	9.90	30	
Chromium	92.4	0.99	mg/Kg wet	88.9		104	78.7-120.6	10.8	30	
Copper	192	0.99	mg/Kg wet	184		105	80.4-119.6	8.96	30	
Lead	89.1	1.5	mg/Kg wet	94.3		94.5	82.4-117.8	7.87	30	
Nickel	152	0.99	mg/Kg wet	154		98.4	82.2-117.8	9.20	30	
Selenium	194	9.9	mg/Kg wet	207		93.5	77.1-122.3	8.57	30	
Silver	44.4	0.99	mg/Kg wet	43.8		101	74.3-125.4	6.22	30	
Thallium	168	4.9	mg/Kg wet	167		100	78.2-121.6	9.66	30	
Vanadium	96.0	2.0	mg/Kg wet	100		96.0	64.8-135.2	9.59	30	
Zinc	208	2.0	mg/Kg wet	209		99.4	79.7-120.8	9.31	30	
MRL Check (B186445-MRL1)				Prepared: 09/18/17 Analyzed: 09/19/17						
Lead	0.878	0.73	mg/Kg wet	0.734		120	80-120			

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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 B186542 - % Solids										
Duplicate (B186542-DUP1)		**Source: 17I0462-01**		Prepared: 09/19/17 Analyzed: 09/20/17						
% Solids	87.3		% Wt		88.3			1.14	20	
Duplicate (B186542-DUP2)		**Source: 17I0462-02**		Prepared: 09/19/17 Analyzed: 09/20/17						
% Solids	89.1		% Wt		89.5			0.448	20	
Duplicate (B186542-DUP3)		**Source: 17I0462-03**		Prepared: 09/19/17 Analyzed: 09/20/17						
% Solids	83.6		% Wt		85.0			1.66	20	

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC-8-SO-6-1

Lab Sample ID: 17I0462-07

Date(s) Analyzed: 09/25/2017 09/25/2017

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	0.20	
	2	0.000	-0.030	0.030	0.26	26.1
Aroclor-1260	1	0.000	-0.030	0.030	0.33	
	2	0.000	-0.030	0.030	0.28	16.4

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

SW-846 8082A

WS-AOC-10-SO-16-1

Lab Sample ID: 17I0462-14

Date(s) Analyzed: 09/25/2017 09/25/2017

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	0.088	
	2	0.000	-0.030	0.030	0.092	4.4

con-test® ANALYTICAL LABORATORY

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC-10-SO-16-3

Lab Sample ID: 17I0462-16

Date(s) Analyzed: 09/25/2017 09/25/2017

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	0.38	
	2	0.000	-0.030	0.030	0.37	2.7

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.

L-01	Laboratory fortified blank /laboratory control sample recovery outside of control limits. Data validation is not affected since all results are "not detected" for all samples in this batch for this compound and bias is on the high side.
L-04	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side.
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.
V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
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.

con-test® ANALYTICAL LABORATORY

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 6010C-D in Soil	
Antimony	CT,NH,NY,ME,VA,NC
Arsenic	CT,NH,NY,ME,VA,NC
Barium	CT,NH,NY,ME,VA,NC
Beryllium	CT,NH,NY,ME,VA,NC
Cadmium	CT,NH,NY,ME,VA,NC
Chromium	CT,NH,NY,ME,VA,NC
Copper	CT,NH,NY,ME,VA,NC
Lead	CT,NH,NY,AIHA,ME,VA,NC
Nickel	CT,NH,NY,ME,VA,NC
Selenium	CT,NH,NY,ME,VA,NC
Silver	CT,NH,NY,ME,VA,NC
Thallium	CT,NH,NY,ME,VA,NC
Vanadium	CT,NH,NY,ME,VA,NC
Zinc	CT,NH,NY,ME,VA,NC
SW-846 7471B in Soil	
Mercury	CT,NH,NY,NC,ME,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 8260C in Soil	
Acetone	CT,NH,NY,ME
Acrylonitrile	CT,NH,NY,ME
Benzene	CT,NH,NY,ME
Bromobenzene	NH,NY,ME
Bromodichloromethane	CT,NH,NY,ME
Bromoform	CT,NH,NY,ME
Bromomethane	CT,NH,NY,ME

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8260C in Soil	
2-Butanone (MEK)	CT,NH,NY,ME
n-Butylbenzene	CT,NH,NY,ME
sec-Butylbenzene	CT,NH,NY,ME
tert-Butylbenzene	CT,NH,NY,ME
Carbon Disulfide	CT,NH,NY,ME
Carbon Tetrachloride	CT,NH,NY,ME
Chlorobenzene	CT,NH,NY,ME
Chlorodibromomethane	CT,NH,NY,ME
Chloroethane	CT,NH,NY,ME
Chloroform	CT,NH,NY,ME
Chloromethane	CT,NH,NY,ME
2-Chlorotoluene	CT,NH,NY,ME
4-Chlorotoluene	CT,NH,NY,ME
Dibromomethane	NH,NY,ME
1,2-Dichlorobenzene	CT,NH,NY,ME
1,3-Dichlorobenzene	CT,NH,NY,ME
1,4-Dichlorobenzene	CT,NH,NY,ME
trans-1,4-Dichloro-2-butene	NY
Dichlorodifluoromethane (Freon 12)	NY,ME
1,1-Dichloroethane	CT,NH,NY,ME
1,2-Dichloroethane	CT,NH,NY,ME
1,1-Dichloroethylene	CT,NH,NY,ME
cis-1,2-Dichloroethylene	CT,NH,NY,ME
trans-1,2-Dichloroethylene	CT,NH,NY,ME
1,2-Dichloropropane	CT,NH,NY,ME
1,3-Dichloropropane	NH,NY,ME
2,2-Dichloropropane	NH,NY,ME
1,1-Dichloropropene	NH,NY,ME
cis-1,3-Dichloropropene	CT,NH,NY,ME
trans-1,3-Dichloropropene	CT,NH,NY,ME
Ethylbenzene	CT,NH,NY,ME
Hexachlorobutadiene	NH,NY,ME
2-Hexanone (MBK)	CT,NH,NY,ME
Isopropylbenzene (Cumene)	CT,NH,NY,ME
p-Isopropyltoluene (p-Cymene)	NH,NY
Methyl tert-Butyl Ether (MTBE)	NH,NY
Methylene Chloride	CT,NH,NY,ME
4-Methyl-2-pentanone (MIBK)	CT,NH,NY
Naphthalene	NH,NY,ME
n-Propylbenzene	NH,NY
Styrene	CT,NH,NY,ME
1,1,1,2-Tetrachloroethane	CT,NH,NY,ME
1,1,2,2-Tetrachloroethane	CT,NH,NY,ME
Tetrachloroethylene	CT,NH,NY,ME
Toluene	CT,NH,NY,ME
1,2,4-Trichlorobenzene	NH,NY,ME
1,1,1-Trichloroethane	CT,NH,NY,ME

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8260C in Soil	
1,1,2-Trichloroethane	CT,NH,NY,ME
Trichloroethylene	CT,NH,NY,ME
Trichlorofluoromethane (Freon 11)	CT,NH,NY,ME
1,2,3-Trichloropropane	NH,NY,ME
1,2,4-Trimethylbenzene	CT,NH,NY,ME
1,3,5-Trimethylbenzene	CT,NH,NY,ME
Vinyl Chloride	CT,NH,NY,ME
m+p Xylene	CT,NH,NY,ME
o-Xylene	CT,NH,NY,ME
SW-846 8270D in Soil	
Acenaphthene	CT,NY,NH
Acenaphthene	CT,NY,NH,ME,NC,VA
Acenaphthylene	CT,NY,NH,ME,NC,VA
Acenaphthylene	CT,NY,NH
Aniline	NY,NH
Anthracene	CT,NY,NH,ME,NC,VA
Anthracene	CT,NY,NH
Benzo(a)anthracene	CT,NY,NH,ME,NC,VA
Benzo(a)anthracene	CT,NY,NH
Benzo(a)pyrene	CT,NY,NH,ME,NC,VA
Benzo(a)pyrene	CT,NY,NH
Benzo(b)fluoranthene	CT,NY,NH,ME,NC,VA
Benzo(b)fluoranthene	CT,NY,NH
Benzo(g,h,i)perylene	CT,NY,NH,ME,NC,VA
Benzo(g,h,i)perylene	CT,NY,NH
Benzo(k)fluoranthene	CT,NY,NH
Benzo(k)fluoranthene	CT,NY,NH,ME,NC,VA
Bis(2-chloroethoxy)methane	CT,NY,NH
Bis(2-chloroethyl)ether	CT,NY,NH
Bis(2-chloroisopropyl)ether	CT,NY,NH
Bis(2-Ethylhexyl)phthalate	CT,NY,NH
4-Bromophenylphenylether	CT,NY,NH
Butylbenzylphthalate	CT,NY,NH
4-Chloroaniline	CT,NY,NH
4-Chloro-3-methylphenol	CT,NY,NH
2-Chloronaphthalene	CT,NY,NH
2-Chlorophenol	CT,NY,NH
4-Chlorophenylphenylether	CT,NY,NH
Chrysene	CT,NY,NH
Chrysene	CT,NY,NH,ME,NC,VA
Dibenz(a,h)anthracene	CT,NY,NH
Dibenz(a,h)anthracene	CT,NY,NH,ME,NC,VA
Dibenzofuran	CT,NY,NH
Di-n-butylphthalate	CT,NY,NH
1,2-Dichlorobenzene	NY,NH
1,3-Dichlorobenzene	NY,NH

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8270D in Soil	
1,4-Dichlorobenzene	NY,NH
3,3-Dichlorobenzidine	CT,NY,NH
2,4-Dichlorophenol	CT,NY,NH
Diethylphthalate	CT,NY,NH
2,4-Dimethylphenol	CT,NY,NH
Dimethylphthalate	CT,NY,NH
4,6-Dinitro-2-methylphenol	CT,NY,NH
2,4-Dinitrophenol	CT,NY,NH
2,4-Dinitrotoluene	CT,NY,NH
2,6-Dinitrotoluene	CT,NY,NH
Di-n-octylphthalate	CT,NY,NH
Fluoranthene	CT,NY,NH,ME,NC,VA
Fluoranthene	CT,NY,NH
Fluorene	CT,NY,NH,ME,NC,VA
Fluorene	NY,NH
Hexachlorobenzene	CT,NY,NH
Hexachlorobutadiene	CT,NY,NH
Hexachlorocyclopentadiene	CT,NY,NH
Hexachloroethane	CT,NY,NH
Indeno(1,2,3-cd)pyrene	CT,NY,NH,ME,NC,VA
Indeno(1,2,3-cd)pyrene	CT,NY,NH
Isophorone	CT,NY,NH
2-Methylnaphthalene	CT,NY,NH,ME,NC,VA
2-Methylnaphthalene	CT,NY,NH
2-Methylphenol	CT,NY,NH
3/4-Methylphenol	CT,NY,NH
Naphthalene	CT,NY,NH
Naphthalene	CT,NY,NH,ME,NC,VA
2-Nitroaniline	CT,NY,NH
3-Nitroaniline	CT,NY,NH
4-Nitroaniline	CT,NY,NH
Nitrobenzene	CT,NY,NH
2-Nitrophenol	CT,NY,NH
4-Nitrophenol	CT,NY,NH
N-Nitrosodiphenylamine	CT,NY,NH
N-Nitrosodi-n-propylamine	CT,NY,NH
Pentachloronitrobenzene	NY
Pentachlorophenol	CT,NY,NH
Phenanthrene	CT,NY,NH
Phenanthrene	CT,NY,NH,ME,NC,VA
Phenol	CT,NY,NH
Pyrene	CT,NY,NH
Pyrene	CT,NY,NH,ME,NC,VA
Pyridine	CT,NY,NH
1,2,4,5-Tetrachlorobenzene	NY
1,2,4-Trichlorobenzene	CT,NY,NH
2,4,5-Trichlorophenol	CT,NY,NH

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	
2,4,6-Trichlorophenol	CT,NY,NH

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	09/30/2019
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	09/6/2018
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2018
NC-DW	North Carolina Department of Health	25703	07/31/2018

17I0462

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

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	SVOCs	RSRs 15	VOCs	PAHs						
01	WS-AOC-10-SO-1-1	9/12/17	1053		X	S	U	X	X	X	X								
02	WS-AOC-10-SO-1-2	9/12/17	1054		X	S	U	X				X							
03	WS-AOC-10-SO-1-3	9/12/17	1055		X	S	U	X											
04	WS-AOC-10-SO-2-1	9/12/17	1105		X	S	U	X	X	X	X								
05	WS-AOC-10-SO-2-2	9/12/17	1106		X	S	U	X				X							
06	WS-AOC-10-SO-2-3	9/12/17	1107		X	S	U	X											
07	WS-AOC-8-SO-6-1	9/12/17	1117		X	S	U	X											
08	WS-AOC-8-SO-6-2	9/12/17	1118		X	S	U	X	X				X						
09	WS-AOC-8-SO-6-3	9/12/17	1119		X	S	U	X											
10	WS-AOC-8-SO-6-4	9/12/17	1120		X	S	U	X											

[1] Matrix																			
[2] Preservation																			
[3] Container																			

# 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)	Date/Time: 9/12/17 1445
Received by: (signature)	Date/Time: 9/12/17 1446
Relinquished by: (signature)	Date/Time: 9/12/17 1610
Received by: (signature) 4.7 C	Date/Time: 9/12/17 1610
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

9/12/17 1610

Table of Contents

con-test® ANALYTICAL LABORATORY

17I0462

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

http://www.contestlabs.com

CHAIN OF CUSTODY RECORD

Doc # 381 Rev 0 5 8 2015

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

	PCBs, Soxhlet	ETPH	SVOCs
# of Containers	1		
² Preservation Code	I		
³ Container Code	A		

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	¹Matrix Code	Conc Code	PCBs, Soxhlet	ETPH	SVOCs
11	WS-AOC-10-SO-20-1	9/12/17	1144		X	S	U	X		
12	WS-AOC-10-SO-20-2	9/12/17	1145		X	S	U	X		
13	WS-AOC-10-SO-20-3	9/12/17	1146		X	S	U	X		
14	WS-AOC-10-SO-16-1	9/12/17	1152		X	S	U	X		
15	WS-AOC-10-SO-16-2	9/12/17	1153		X	S	U	X		
16	WS-AOC-10-SO-16-3	9/12/17	1154		X	S	U	X		
17	WS-AOC-10-SO-17-1	9/12/17	1157		X	S	U	X	X	
18	WS-AOC-10-SO-17-2	9/12/17	1158		X	S	U	X		X
19	WS-AOC-10-SO-17-3	9/12/17	1159		X	S	U	X		
20	WS-AOC-10-SO-31-1	9/12/17	1215		X	S	U	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

	Date/Time:
Relinquished by: (signature)	9/12/17 1445
Received by: (signature)	9/12/17 1445
Relinquished by: (signature)	9/12/17 4/1
Received by: (signature) 4.7 °C	9/12/17 1610
Relinquished by: (signature)	
Received by: (signature)	

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

9/12/17 1610

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 RLF Date 9/12/17 Time 1610

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 - 4.7°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 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? 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.		1 Liter Plastic		16 oz Amb.	
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear	22
Meoh-	2	250 mL Amb.		250 mL Plastic		4oz Amb/Clear	
Bisulfate-		Col./Bacteria		Flashpoint		2oz Amb/Clear	
DI-	4	Other Plastic		Other Glass		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock		9/12/17 1610	

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\A092017\A0920030.D

CT ETPH DISCRIMINATION CHECK

Date Acquired	9/20/17
Data File Name	A0920030.D
Sample Name	ETPH 1500
Instrument Name	5890DFID

Compound	Ret Time	Target Response	Average Response	*%D +/- 20
c - 9	1.29	531733	588657	-10
c - 10	1.64	540713	588657	-8
c - 12	2.37	561631	588657	-5
c - 14	3.05	577096	588657	-2
c - 16	3.65	596317	588657	1
c - 18	4.29	595243	588657	1
o-Terphenyl	4.57	668113	588657	
c - 20	4.89	608312	588657	3
c - 22	5.39	624395	588657	6
c - 24	5.83	588340	588657	0
c - 26	6.23	624528	588657	6
c - 28	6.59	617616	588657	5
c - 30	6.92	608143	588657	3
c - 32	7.23	586507	588657	0
c - 34	7.53	585884	588657	0
c - 36	7.87	583391	588657	-1

* One compound allowed %D </= 50%

Samples

17I0466-02
17I0539-08
17I0539-09
17I0539-10
17I0539-11
17I0719-09
17I0719-15
17I0719-08

D:\HPCHEM\1\DATA\A092017\A0920078.D

CT ETPH DISCRIMINATION CHECK

Date Acquired	9/20/17
Data File Name	A0920078.D
Sample Name	ETPH 1500
Instrument Name	5890DFID

Compound	Ret Time	Target Response	Average Response	*%D +/- 20
c - 9	1.30	612810	677806	-10
c - 10	1.64	621044	677806	-8
c - 12	2.37	641848	677806	-5
c - 14	3.04	657244	677806	-3
c - 16	3.65	675340	677806	0
c - 18	4.28	672951	677806	-1
o-Terphenyl	4.56	758306	677806	
c - 20	4.89	687984	677806	2
c - 22	5.39	707178	677806	4
c - 24	5.83	669125	677806	-1
c - 26	6.23	714791	677806	5
c - 28	6.59	713704	677806	5
c - 30	6.92	711731	677806	5
c - 32	7.23	693718	677806	2
c - 34	7.53	693077	677806	2
c - 36	7.87	694545	677806	2

* One compound allowed %D </= 50%

Samples

17I0462-01@5X
17I0462-08@5X
17I0517-02@5X
17I0517-06@100X
17I0517-08@5X
17I0517-11@5X

D:\HPCHEM\1\DATA\A092017.SEC\A0920031.D

CT ETPH DISCRIMINATION CHECK

Date Acquired	9/20/17
Data File Name	A0920031.D
Sample Name	ETPH 1500
Instrument Name	5890DFID

Compound	Ret Time	Target Response	Average Response	*%D +/- 20
c - 9	1.28	541173	562711	-4
c - 10	1.62	549935	562711	-2
c - 12	2.34	566528	562711	1
c - 14	3.01	574189	562711	2
c - 16	3.61	582627	562711	4
c - 18	4.22	570510	562711	1
o-Terphenyl	4.51	631761	562711	
c - 20	4.83	572845	562711	2
c - 22	5.33	578821	562711	3
c - 24	5.77	538783	562711	-4
c - 26	6.16	569323	562711	1
c - 28	6.52	564215	562711	0
c - 30	6.85	562306	562711	0
c - 32	7.16	552003	562711	-2
c - 34	7.45	557640	562711	-1
c - 36	7.76	559760	562711	-1

* One compound allowed %D <= 50%

Samples

17I0719-02@5X
17I0719-03@50X
17I0719-05@100X
17I0719-06@100X
17I0719-14@100X
17I0719-01@100X
17I0378-19@5X
17I0379-03@50X
17I0378-01@50X
17I0380-04@5X
17I0380-06@20X
17I0380-02@10X
17I0517-13

D:\HPCHEM\1\DATA\A092017.SEC\A0920079.D

CT ETPH DISCRIMINATION CHECK

Date Acquired	9/20/17
Data File Name	A0920079.D
Sample Name	ETPH 1500
Instrument Name	5890DFID

Compound	Ret Time	Target Response	Average Response	*%D +/- 20
c - 9	1.28	593179	621951	-5
c - 10	1.62	601870	621951	-3
c - 12	2.34	620530	621951	0
c - 14	3.01	631091	621951	1
c - 16	3.61	641967	621951	3
c - 18	4.22	630375	621951	1
o-Terphenyl	4.51	697469	621951	
c - 20	4.83	634151	621951	2
c - 22	5.33	640559	621951	3
c - 24	5.77	596341	621951	-4
c - 26	6.16	629258	621951	1
c - 28	6.52	625172	621951	1
c - 30	6.85	625957	621951	1
c - 32	7.16	616353	621951	-1
c - 34	7.45	620644	621951	0
c - 36	7.76	621823	621951	0

* One compound allowed %D <= 50%

Samples

17I0517-04
17I0517-09
17I0517-12
17I0462-04
17I0462-17
17I0462-20
17I0463-12
17I0241-10RE1@5X

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: 17I0462

Laboratory Sample ID(s):

17I0462-01 thru 17I0462-20

Sample Date(s):

09/12/2017

List RCP Methods Used:

CTDEP ETPH, SW-846 6010C-D, SW-846 7470A, SW-846 7471B, SW-846 8082A, SW-846 8260C, 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:** **09/26/17**

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 25, 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: 17I0463

Enclosed are results of analyses for samples received by the laboratory on September 12, 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: 9/25/2017

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 2170495

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 17I0463

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-10-SO-31-2	17I0463-01	Soil		SM 2540G	
				SW-846 8082A	
				SW-846 8270D	
WS-AOC-10-SO-31-3	17I0463-02	Soil		SM 2540G	
				SW-846 8082A	
				SW-846 8260C	
WS-AOC-10-SO-30-1	17I0463-03	Soil		SM 2540G	
				SW-846 6010C-D	
				SW-846 7471B	
				SW-846 8082A	
WS-AOC-10-SO-30-2	17I0463-04	Soil		SM 2540G	
				SW-846 8082A	
WS-AOC-10-SO-30-3	17I0463-05	Soil		SM 2540G	
				SW-846 8082A	
				SW-846 8260C	
WS-AOC-10-SO-25-1	17I0463-06	Soil		SM 2540G	
				SW-846 8082A	
WS-AOC-10-SO-25-2	17I0463-07	Soil		SM 2540G	
				SW-846 8082A	
WS-AOC-10-SO-8-1	17I0463-09	Soil		SM 2540G	
				SW-846 6010C-D	
				SW-846 7471B	
				SW-846 8082A	
WS-AOC-10-SO-8-2	17I0463-10	Soil		SM 2540G	
				SW-846 8082A	
WS-AOC-10-SO-8-3	17I0463-11	Soil		SM 2540G	
				SW-846 8082A	
				SW-846 8260C	
WS-AOC-10-SO-7-1	17I0463-12	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 8082A	
WS-AOC-10-SO-7-2	17I0463-13	Soil		SM 2540G	
				SW-846 8082A	
WS-AOC-10-SO-7-3	17I0463-14	Soil		SM 2540G	
				SW-846 8082A	
WS-AOC-10-SO-11-1	17I0463-15	Soil		SM 2540G	
				SW-846 8082A	
				SW-846 8270D	
WS-AOC-10-SO-11-2	17I0463-16	Soil		SM 2540G	
				SW-846 8082A	

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

REPORT DATE: 9/25/2017

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 2170495

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 17I0463

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-10-SO-11-3	17I0463-17	Soil		SM 2540G	
				SW-846 8082A	
WS-AOC-10-SO-10-1	17I0463-18	Soil		SM 2540G	
				SW-846 6010C-D	
				SW-846 7471B	
				SW-846 8082A	
WS-AOC-10-SO-10-2	17I0463-19	Soil		SM 2540G	
				SW-846 8082A	
WS-AOC-10-SO-10-3	17I0463-20	Soil		SM 2540G	
				SW-846 8082A	
WS-AOC-10-SO-13-1	17I0463-21	Soil		SM 2540G	
				SW-846 8082A	
WS-AOC-10-SO-13-2	17I0463-22	Soil		SM 2540G	
				SW-846 8082A	
WS-AOC-10-SO-13-3	17I0463-23	Soil		SM 2540G	
				SW-846 8082A	
Trip Blank	17I0463-24	Trip Blank Soil		SW-846 8260C	

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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.

con-test® ANALYTICAL LABORATORY

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

SW-846 8260C

Qualifications:

L-01

Laboratory fortified blank /laboratory control sample recovery outside of control limits. Data validation is not affected since all results are "not detected" for all samples in this batch for this compound and bias is on the high side.

Analyte & Samples(s) Qualified:

Trichlorofluoromethane (Freon 11)

B186197-BS1

V-16

Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.

Analyte & Samples(s) Qualified:

Tetrahydrofuran

17I0463-11[WS-AOC-10-SO-8-3], 17I0463-24[Trip Blank], B186197-BLK1, B186197-BS1

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:

trans-1,2-Dichloroethylene

B186197-BS1

Trichlorofluoromethane (Freon 11)

B186197-BS1

SW-846 8270D

Qualifications:

L-04

Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side.

Analyte & Samples(s) Qualified:

4-Chloroaniline

17I0463-01[WS-AOC-10-SO-31-2], 17I0463-15[WS-AOC-10-SO-11-1], B186451-BLK1, B186451-BS1, B186451-BSD1

Aniline

17I0463-01[WS-AOC-10-SO-31-2], 17I0463-15[WS-AOC-10-SO-11-1], B186451-BLK1, B186451-BS1, B186451-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:

Hexachlorocyclopentadiene

17I0463-01[WS-AOC-10-SO-31-2], 17I0463-15[WS-AOC-10-SO-11-1], B186451-BLK1, B186451-BS1, B186451-BSD1

V-16

Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.

Analyte & Samples(s) Qualified:

Pentachloronitrobenzene

17I0463-01[WS-AOC-10-SO-31-2], 17I0463-15[WS-AOC-10-SO-11-1], B186451-BLK1, B186451-BS1, B186451-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:

Pentachloronitrobenzene

17I0463-01[WS-AOC-10-SO-31-2], 17I0463-15[WS-AOC-10-SO-11-1], B186451-BLK1, B186451-BS1, B186451-BSD1

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

SW-846 6010C/D SW-846 6020A/B

For NC, Metals methods SW-846 6010D and SW-846 6020B are followed, and for all other states methods SW-846 6010C and SW-846 6020A are followed.

SW-846 8270D

The LCS sample recoveries for required RCP 8270 compounds were all within control limits specified by the method, 40-140% for base/neutrals and 30-130% for acids except for "difficult analytes" listed below and/or otherwise listed in this narrative: Difficult analytes for soil - limits between 10 and 180% depending on the compound (see QC summary for limits): 3,3'-Dichlorobenzidine, Pyridine, Aniline, 4-Chloroaniline, 3-Nitroaniline, and n-Nitrosodiphenylamine.

All reporting limits specified on the chain-of-custody were met, except for Pyridine, 1,2,4,5-Tetrachlorobenzene and Pentachloronitrobenzene for the most protective criteria since the laboratory cannot achieve the required RCP calibration criteria at these levels unless otherwise listed in this narrative.

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: 17I0463

Date Received: 9/12/2017

Field Sample #: WS-AOC-10-SO-31-2 Sampled: 9/12/2017 12:16

Sample ID: 17I0463-01

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	0.28	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 15:00	BGL
Acenaphthylene	ND	0.28	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 15:00	BGL
Aniline	ND	0.55	mg/Kg dry	1	L-04	SW-846 8270D	9/18/17	9/19/17 15:00	BGL
Anthracene	ND	0.28	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 15:00	BGL
Benzo(a)anthracene	ND	0.28	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 15:00	BGL
Benzo(a)pyrene	ND	0.28	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 15:00	BGL
Benzo(b)fluoranthene	ND	0.28	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 15:00	BGL
Benzo(g,h,i)perylene	ND	0.28	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 15:00	BGL
Benzo(k)fluoranthene	ND	0.28	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 15:00	BGL
Bis(2-chloroethoxy)methane	ND	0.55	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 15:00	BGL
Bis(2-chloroethyl)ether	ND	0.55	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 15:00	BGL
Bis(2-chloroisopropyl)ether	ND	0.55	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 15:00	BGL
Bis(2-Ethylhexyl)phthalate	ND	0.55	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 15:00	BGL
4-Bromophenylphenylether	ND	0.55	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 15:00	BGL
Butylbenzylphthalate	ND	0.55	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 15:00	BGL
Carbazole	ND	0.28	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 15:00	BGL
4-Chloroaniline	ND	1.1	mg/Kg dry	1	L-04	SW-846 8270D	9/18/17	9/19/17 15:00	BGL
4-Chloro-3-methylphenol	ND	1.1	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 15:00	BGL
2-Chloronaphthalene	ND	0.55	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 15:00	BGL
2-Chlorophenol	ND	0.55	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 15:00	BGL
4-Chlorophenylphenylether	ND	0.55	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 15:00	BGL
Chrysene	ND	0.28	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 15:00	BGL
Dibenz(a,h)anthracene	ND	0.28	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 15:00	BGL
Dibenzofuran	ND	0.55	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 15:00	BGL
Di-n-butylphthalate	ND	0.55	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 15:00	BGL
3,3-Dichlorobenzidine	ND	0.28	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 15:00	BGL
2,4-Dichlorophenol	ND	0.55	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 15:00	BGL
Diethylphthalate	ND	0.55	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 15:00	BGL
2,4-Dimethylphenol	ND	0.55	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 15:00	BGL
Dimethylphthalate	ND	0.55	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 15:00	BGL
4,6-Dinitro-2-methylphenol	ND	0.55	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 15:00	BGL
2,4-Dinitrophenol	ND	1.1	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 15:00	BGL
2,4-Dinitrotoluene	ND	0.55	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 15:00	BGL
2,6-Dinitrotoluene	ND	0.55	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 15:00	BGL
Di-n-octylphthalate	ND	0.55	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 15:00	BGL
Fluoranthene	ND	0.28	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 15:00	BGL
Fluorene	ND	0.28	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 15:00	BGL
Hexachlorobenzene	ND	0.55	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 15:00	BGL
Hexachlorobutadiene	ND	0.55	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 15:00	BGL
Hexachlorocyclopentadiene	ND	0.55	mg/Kg dry	1	V-05	SW-846 8270D	9/18/17	9/19/17 15:00	BGL
Hexachloroethane	ND	0.55	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 15:00	BGL
Indeno(1,2,3-cd)pyrene	ND	0.28	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 15:00	BGL
Isophorone	ND	0.55	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 15:00	BGL
2-Methylnaphthalene	ND	0.28	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 15:00	BGL

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0463

Date Received: 9/12/2017

Field Sample #: WS-AOC-10-SO-31-2 Sampled: 9/12/2017 12:16

Sample ID: 17I0463-01

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Methylphenol	ND	0.55	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 15:00	BGL
3/4-Methylphenol	ND	0.55	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 15:00	BGL
Naphthalene	ND	0.28	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 15:00	BGL
2-Nitroaniline	ND	0.55	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 15:00	BGL
3-Nitroaniline	ND	0.55	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 15:00	BGL
4-Nitroaniline	ND	0.55	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 15:00	BGL
Nitrobenzene	ND	0.55	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 15:00	BGL
2-Nitrophenol	ND	0.55	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 15:00	BGL
4-Nitrophenol	ND	1.1	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 15:00	BGL
N-Nitrosodiphenylamine	ND	0.55	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 15:00	BGL
N-Nitrosodi-n-propylamine	ND	0.55	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 15:00	BGL
Pentachloronitrobenzene	ND	0.55	mg/Kg dry	1	V-20, V-16	SW-846 8270D	9/18/17	9/19/17 15:00	BGL
Pentachlorophenol	ND	0.55	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 15:00	BGL
Phenanthrene	ND	0.28	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 15:00	BGL
Phenol	ND	0.55	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 15:00	BGL
Pyrene	ND	0.28	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 15:00	BGL
Pyridine	ND	0.55	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 15:00	BGL
1,2,4,5-Tetrachlorobenzene	ND	0.55	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 15:00	BGL
1,2,4-Trichlorobenzene	ND	0.55	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 15:00	BGL
2,4,5-Trichlorophenol	ND	0.55	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 15:00	BGL
2,4,6-Trichlorophenol	ND	0.55	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 15:00	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	68.4	30-130		9/19/17 15:00
Phenol-d6	67.9	30-130		9/19/17 15:00
Nitrobenzene-d5	69.0	30-130		9/19/17 15:00
2-Fluorobiphenyl	80.1	30-130		9/19/17 15:00
2,4,6-Tribromophenol	103	30-130		9/19/17 15:00
p-Terphenyl-d14	87.4	30-130		9/19/17 15:00

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0463

Date Received: 9/12/2017

Field Sample #: WS-AOC-10-SO-31-2 Sampled: 9/12/2017 12:16

Sample ID: 17I0463-01

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	0.13	mg/Kg dry	4		SW-846 8082A	9/19/17	9/22/17 3:38	TG
Aroclor-1221 [1]	ND	0.13	mg/Kg dry	4		SW-846 8082A	9/19/17	9/22/17 3:38	TG
Aroclor-1232 [1]	ND	0.13	mg/Kg dry	4		SW-846 8082A	9/19/17	9/22/17 3:38	TG
Aroclor-1242 [1]	ND	0.13	mg/Kg dry	4		SW-846 8082A	9/19/17	9/22/17 3:38	TG
Aroclor-1248 [1]	ND	0.13	mg/Kg dry	4		SW-846 8082A	9/19/17	9/22/17 3:38	TG
Aroclor-1254 [1]	ND	0.13	mg/Kg dry	4		SW-846 8082A	9/19/17	9/22/17 3:38	TG
Aroclor-1260 [1]	ND	0.13	mg/Kg dry	4		SW-846 8082A	9/19/17	9/22/17 3:38	TG
Aroclor-1262 [1]	ND	0.13	mg/Kg dry	4		SW-846 8082A	9/19/17	9/22/17 3:38	TG
Aroclor-1268 [1]	ND	0.13	mg/Kg dry	4		SW-846 8082A	9/19/17	9/22/17 3:38	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	98.2	30-150		9/22/17 3:38
Decachlorobiphenyl [2]	89.9	30-150		9/22/17 3:38
Tetrachloro-m-xylene [1]	89.0	30-150		9/22/17 3:38
Tetrachloro-m-xylene [2]	91.5	30-150		9/22/17 3:38

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0463

Date Received: 9/12/2017

Field Sample #: WS-AOC-10-SO-31-2 Sampled: 9/12/2017 12:16

Sample ID: 17I0463-01

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	61.4		% Wt	1		SM 2540G	9/19/17	9/20/17 9:15	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: 17I0463

Date Received: 9/12/2017

Field Sample #: WS-AOC-10-SO-31-3 Sampled: 9/12/2017 12:17

Sample ID: 17I0463-02

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	4.9	mg/Kg dry	1		SW-846 8260C	9/13/17	9/18/17 12:47	MFF
Acrylonitrile	ND	0.49	mg/Kg dry	1		SW-846 8260C	9/13/17	9/18/17 12:47	MFF
Benzene	ND	0.099	mg/Kg dry	1		SW-846 8260C	9/13/17	9/18/17 12:47	MFF
Bromobenzene	ND	0.099	mg/Kg dry	1		SW-846 8260C	9/13/17	9/18/17 12:47	MFF
Bromodichloromethane	ND	0.099	mg/Kg dry	1		SW-846 8260C	9/13/17	9/18/17 12:47	MFF
Bromoform	ND	0.099	mg/Kg dry	1		SW-846 8260C	9/13/17	9/18/17 12:47	MFF
Bromomethane	ND	0.20	mg/Kg dry	1		SW-846 8260C	9/13/17	9/18/17 12:47	MFF
2-Butanone (MEK)	ND	2.0	mg/Kg dry	1		SW-846 8260C	9/13/17	9/18/17 12:47	MFF
n-Butylbenzene	ND	0.099	mg/Kg dry	1		SW-846 8260C	9/13/17	9/18/17 12:47	MFF
sec-Butylbenzene	ND	0.099	mg/Kg dry	1		SW-846 8260C	9/13/17	9/18/17 12:47	MFF
tert-Butylbenzene	ND	0.099	mg/Kg dry	1		SW-846 8260C	9/13/17	9/18/17 12:47	MFF
Carbon Disulfide	ND	0.30	mg/Kg dry	1		SW-846 8260C	9/13/17	9/18/17 12:47	MFF
Carbon Tetrachloride	ND	0.099	mg/Kg dry	1		SW-846 8260C	9/13/17	9/18/17 12:47	MFF
Chlorobenzene	ND	0.099	mg/Kg dry	1		SW-846 8260C	9/13/17	9/18/17 12:47	MFF
Chlorodibromomethane	ND	0.049	mg/Kg dry	1		SW-846 8260C	9/13/17	9/18/17 12:47	MFF
Chloroethane	ND	0.20	mg/Kg dry	1		SW-846 8260C	9/13/17	9/18/17 12:47	MFF
Chloroform	ND	0.20	mg/Kg dry	1		SW-846 8260C	9/13/17	9/18/17 12:47	MFF
Chloromethane	ND	0.20	mg/Kg dry	1		SW-846 8260C	9/13/17	9/18/17 12:47	MFF
2-Chlorotoluene	ND	0.099	mg/Kg dry	1		SW-846 8260C	9/13/17	9/18/17 12:47	MFF
4-Chlorotoluene	ND	0.099	mg/Kg dry	1		SW-846 8260C	9/13/17	9/18/17 12:47	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.49	mg/Kg dry	1		SW-846 8260C	9/13/17	9/18/17 12:47	MFF
1,2-Dibromoethane (EDB)	ND	0.049	mg/Kg dry	1		SW-846 8260C	9/13/17	9/18/17 12:47	MFF
Dibromomethane	ND	0.099	mg/Kg dry	1		SW-846 8260C	9/13/17	9/18/17 12:47	MFF
1,2-Dichlorobenzene	ND	0.099	mg/Kg dry	1		SW-846 8260C	9/13/17	9/18/17 12:47	MFF
1,3-Dichlorobenzene	ND	0.099	mg/Kg dry	1		SW-846 8260C	9/13/17	9/18/17 12:47	MFF
1,4-Dichlorobenzene	ND	0.099	mg/Kg dry	1		SW-846 8260C	9/13/17	9/18/17 12:47	MFF
trans-1,4-Dichloro-2-butene	ND	0.20	mg/Kg dry	1		SW-846 8260C	9/13/17	9/18/17 12:47	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.20	mg/Kg dry	1		SW-846 8260C	9/13/17	9/18/17 12:47	MFF
1,1-Dichloroethane	ND	0.099	mg/Kg dry	1		SW-846 8260C	9/13/17	9/18/17 12:47	MFF
1,2-Dichloroethane	ND	0.099	mg/Kg dry	1		SW-846 8260C	9/13/17	9/18/17 12:47	MFF
1,1-Dichloroethylene	ND	0.099	mg/Kg dry	1		SW-846 8260C	9/13/17	9/18/17 12:47	MFF
cis-1,2-Dichloroethylene	ND	0.099	mg/Kg dry	1		SW-846 8260C	9/13/17	9/18/17 12:47	MFF
trans-1,2-Dichloroethylene	ND	0.099	mg/Kg dry	1		SW-846 8260C	9/13/17	9/18/17 12:47	MFF
1,2-Dichloropropane	ND	0.099	mg/Kg dry	1		SW-846 8260C	9/13/17	9/18/17 12:47	MFF
1,3-Dichloropropane	ND	0.049	mg/Kg dry	1		SW-846 8260C	9/13/17	9/18/17 12:47	MFF
2,2-Dichloropropane	ND	0.099	mg/Kg dry	1		SW-846 8260C	9/13/17	9/18/17 12:47	MFF
1,1-Dichloropropene	ND	0.20	mg/Kg dry	1		SW-846 8260C	9/13/17	9/18/17 12:47	MFF
cis-1,3-Dichloropropene	ND	0.049	mg/Kg dry	1		SW-846 8260C	9/13/17	9/18/17 12:47	MFF
trans-1,3-Dichloropropene	ND	0.049	mg/Kg dry	1		SW-846 8260C	9/13/17	9/18/17 12:47	MFF
Ethylbenzene	ND	0.099	mg/Kg dry	1		SW-846 8260C	9/13/17	9/18/17 12:47	MFF
Hexachlorobutadiene	ND	0.099	mg/Kg dry	1		SW-846 8260C	9/13/17	9/18/17 12:47	MFF
2-Hexanone (MBK)	ND	0.99	mg/Kg dry	1		SW-846 8260C	9/13/17	9/18/17 12:47	MFF
Isopropylbenzene (Cumene)	ND	0.099	mg/Kg dry	1		SW-846 8260C	9/13/17	9/18/17 12:47	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.099	mg/Kg dry	1		SW-846 8260C	9/13/17	9/18/17 12:47	MFF

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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: 17I0463

Date Received: 9/12/2017

Field Sample #: WS-AOC-10-SO-31-3 Sampled: 9/12/2017 12:17

Sample ID: 17I0463-02

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Methyl tert-Butyl Ether (MTBE)	ND	0.099	mg/Kg dry	1		SW-846 8260C	9/13/17	9/18/17 12:47	MFF
Methylene Chloride	ND	0.49	mg/Kg dry	1		SW-846 8260C	9/13/17	9/18/17 12:47	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.99	mg/Kg dry	1		SW-846 8260C	9/13/17	9/18/17 12:47	MFF
Naphthalene	0.95	0.20	mg/Kg dry	1		SW-846 8260C	9/13/17	9/18/17 12:47	MFF
n-Propylbenzene	ND	0.099	mg/Kg dry	1		SW-846 8260C	9/13/17	9/18/17 12:47	MFF
Styrene	ND	0.099	mg/Kg dry	1		SW-846 8260C	9/13/17	9/18/17 12:47	MFF
1,1,1,2-Tetrachloroethane	ND	0.099	mg/Kg dry	1		SW-846 8260C	9/13/17	9/18/17 12:47	MFF
1,1,2,2-Tetrachloroethane	ND	0.049	mg/Kg dry	1		SW-846 8260C	9/13/17	9/18/17 12:47	MFF
Tetrachloroethylene	ND	0.099	mg/Kg dry	1		SW-846 8260C	9/13/17	9/18/17 12:47	MFF
Tetrahydrofuran	ND	0.99	mg/Kg dry	1		SW-846 8260C	9/13/17	9/18/17 12:47	MFF
Toluene	ND	0.099	mg/Kg dry	1		SW-846 8260C	9/13/17	9/18/17 12:47	MFF
1,2,3-Trichlorobenzene	ND	0.49	mg/Kg dry	1		SW-846 8260C	9/13/17	9/18/17 12:47	MFF
1,2,4-Trichlorobenzene	ND	0.099	mg/Kg dry	1		SW-846 8260C	9/13/17	9/18/17 12:47	MFF
1,1,1-Trichloroethane	ND	0.099	mg/Kg dry	1		SW-846 8260C	9/13/17	9/18/17 12:47	MFF
1,1,2-Trichloroethane	ND	0.099	mg/Kg dry	1		SW-846 8260C	9/13/17	9/18/17 12:47	MFF
Trichloroethylene	ND	0.099	mg/Kg dry	1		SW-846 8260C	9/13/17	9/18/17 12:47	MFF
Trichlorofluoromethane (Freon 11)	ND	0.20	mg/Kg dry	1		SW-846 8260C	9/13/17	9/18/17 12:47	MFF
1,2,3-Trichloropropane	ND	0.20	mg/Kg dry	1		SW-846 8260C	9/13/17	9/18/17 12:47	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.099	mg/Kg dry	1		SW-846 8260C	9/13/17	9/18/17 12:47	MFF
1,2,4-Trimethylbenzene	ND	0.099	mg/Kg dry	1		SW-846 8260C	9/13/17	9/18/17 12:47	MFF
1,3,5-Trimethylbenzene	ND	0.099	mg/Kg dry	1		SW-846 8260C	9/13/17	9/18/17 12:47	MFF
Vinyl Chloride	ND	0.20	mg/Kg dry	1		SW-846 8260C	9/13/17	9/18/17 12:47	MFF
m+p Xylene	ND	0.20	mg/Kg dry	1		SW-846 8260C	9/13/17	9/18/17 12:47	MFF
o-Xylene	ND	0.099	mg/Kg dry	1		SW-846 8260C	9/13/17	9/18/17 12:47	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	88.9	70-130		9/18/17 12:47
Toluene-d8	98.6	70-130		9/18/17 12:47
4-Bromofluorobenzene	106	70-130		9/18/17 12:47

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: 17I0463

Date Received: 9/12/2017

Field Sample #: WS-AOC-10-SO-31-3 Sampled: 9/12/2017 12:17

Sample ID: 17I0463-02

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	0.13	mg/Kg dry	4		SW-846 8082A	9/19/17	9/22/17 3:56	TG
Aroclor-1221 [1]	ND	0.13	mg/Kg dry	4		SW-846 8082A	9/19/17	9/22/17 3:56	TG
Aroclor-1232 [1]	ND	0.13	mg/Kg dry	4		SW-846 8082A	9/19/17	9/22/17 3:56	TG
Aroclor-1242 [1]	ND	0.13	mg/Kg dry	4		SW-846 8082A	9/19/17	9/22/17 3:56	TG
Aroclor-1248 [1]	ND	0.13	mg/Kg dry	4		SW-846 8082A	9/19/17	9/22/17 3:56	TG
Aroclor-1254 [1]	ND	0.13	mg/Kg dry	4		SW-846 8082A	9/19/17	9/22/17 3:56	TG
Aroclor-1260 [1]	ND	0.13	mg/Kg dry	4		SW-846 8082A	9/19/17	9/22/17 3:56	TG
Aroclor-1262 [1]	ND	0.13	mg/Kg dry	4		SW-846 8082A	9/19/17	9/22/17 3:56	TG
Aroclor-1268 [1]	ND	0.13	mg/Kg dry	4		SW-846 8082A	9/19/17	9/22/17 3:56	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	100	30-150		9/22/17 3:56
Decachlorobiphenyl [2]	108	30-150		9/22/17 3:56
Tetrachloro-m-xylene [1]	91.9	30-150		9/22/17 3:56
Tetrachloro-m-xylene [2]	93.0	30-150		9/22/17 3:56

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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: 17I0463

Date Received: 9/12/2017

Field Sample #: WS-AOC-10-SO-31-3 Sampled: 9/12/2017 12:17

Sample ID: 17I0463-02

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	60.0		% Wt	1		SM 2540G	9/19/17	9/20/17 9:15	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: 17I0463

Date Received: 9/12/2017

Field Sample #: WS-AOC-10-SO-30-1 Sampled: 9/12/2017 13:10

Sample ID: 17I0463-03

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	9/19/17	9/22/17 4:14	TG
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	9/19/17	9/22/17 4:14	TG
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	9/19/17	9/22/17 4:14	TG
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	9/19/17	9/22/17 4:14	TG
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	9/19/17	9/22/17 4:14	TG
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	9/19/17	9/22/17 4:14	TG
Aroclor-1260 [1]	0.12	0.11	mg/Kg dry	4		SW-846 8082A	9/19/17	9/22/17 4:14	TG
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	9/19/17	9/22/17 4:14	TG
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	9/19/17	9/22/17 4:14	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	103	30-150		9/22/17 4:14
Decachlorobiphenyl [2]	94.4	30-150		9/22/17 4:14
Tetrachloro-m-xylene [1]	94.9	30-150		9/22/17 4:14
Tetrachloro-m-xylene [2]	98.1	30-150		9/22/17 4:14

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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: 17I0463

Date Received: 9/12/2017

Field Sample #: WS-AOC-10-SO-30-1 Sampled: 9/12/2017 13:10

Sample ID: 17I0463-03

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	4.5	3.4	mg/Kg dry	1		SW-846 6010C-D	9/18/17	9/19/17 16:26	QNW
Arsenic	ND	3.4	mg/Kg dry	1		SW-846 6010C-D	9/18/17	9/19/17 16:26	QNW
Barium	85	3.4	mg/Kg dry	1		SW-846 6010C-D	9/18/17	9/19/17 16:26	QNW
Beryllium	ND	0.34	mg/Kg dry	1		SW-846 6010C-D	9/18/17	9/19/17 16:26	QNW
Cadmium	0.38	0.34	mg/Kg dry	1		SW-846 6010C-D	9/18/17	9/19/17 16:26	QNW
Chromium	24	0.68	mg/Kg dry	1		SW-846 6010C-D	9/18/17	9/19/17 16:26	QNW
Copper	67	0.68	mg/Kg dry	1		SW-846 6010C-D	9/18/17	9/19/17 16:26	QNW
Lead	74	1.0	mg/Kg dry	1		SW-846 6010C-D	9/18/17	9/19/17 16:26	QNW
Mercury	0.21	0.036	mg/Kg dry	1		SW-846 7471B	9/18/17	9/19/17 9:39	TJK
Nickel	12	0.68	mg/Kg dry	1		SW-846 6010C-D	9/18/17	9/19/17 16:26	QNW
Selenium	ND	6.8	mg/Kg dry	1		SW-846 6010C-D	9/18/17	9/19/17 16:26	QNW
Silver	ND	0.68	mg/Kg dry	1		SW-846 6010C-D	9/18/17	9/19/17 16:26	QNW
Thallium	ND	3.4	mg/Kg dry	1		SW-846 6010C-D	9/18/17	9/19/17 16:26	QNW
Vanadium	34	1.4	mg/Kg dry	1		SW-846 6010C-D	9/18/17	9/19/17 16:26	QNW
Zinc	110	1.4	mg/Kg dry	1		SW-846 6010C-D	9/18/17	9/19/17 16:26	QNW

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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: 17I0463

Date Received: 9/12/2017

Field Sample #: WS-AOC-10-SO-30-1 Sampled: 9/12/2017 13:10

Sample ID: 17I0463-03

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	69.6		% Wt	1		SM 2540G	9/19/17	9/20/17 9:15	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: 17I0463

Date Received: 9/12/2017

Field Sample #: WS-AOC-10-SO-30-2 Sampled: 9/12/2017 13:11

Sample ID: 17I0463-04

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	9/19/17	9/22/17 4:32	TG
Aroclor-1221 [1]	ND	0.13	mg/Kg dry	4		SW-846 8082A	9/19/17	9/22/17 4:32	TG
Aroclor-1232 [1]	ND	0.13	mg/Kg dry	4		SW-846 8082A	9/19/17	9/22/17 4:32	TG
Aroclor-1242 [1]	ND	0.13	mg/Kg dry	4		SW-846 8082A	9/19/17	9/22/17 4:32	TG
Aroclor-1248 [1]	ND	0.13	mg/Kg dry	4		SW-846 8082A	9/19/17	9/22/17 4:32	TG
Aroclor-1254 [1]	ND	0.13	mg/Kg dry	4		SW-846 8082A	9/19/17	9/22/17 4:32	TG
Aroclor-1260 [1]	ND	0.13	mg/Kg dry	4		SW-846 8082A	9/19/17	9/22/17 4:32	TG
Aroclor-1262 [1]	ND	0.13	mg/Kg dry	4		SW-846 8082A	9/19/17	9/22/17 4:32	TG
Aroclor-1268 [1]	ND	0.13	mg/Kg dry	4		SW-846 8082A	9/19/17	9/22/17 4:32	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	105	30-150		9/22/17 4:32
Decachlorobiphenyl [2]	96.2	30-150		9/22/17 4:32
Tetrachloro-m-xylene [1]	88.6	30-150		9/22/17 4:32
Tetrachloro-m-xylene [2]	91.6	30-150		9/22/17 4:32

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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: 17I0463

Date Received: 9/12/2017

Field Sample #: WS-AOC-10-SO-30-2 Sampled: 9/12/2017 13:11

Sample ID: 17I0463-04

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	59.5		% Wt	1		SM 2540G	9/19/17	9/20/17 9:15	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: 17I0463

Date Received: 9/12/2017

Field Sample #: WS-AOC-10-SO-30-3 Sampled: 9/12/2017 13:12

Sample ID: 17I0463-05

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	5.2	mg/Kg dry	1		SW-846 8260C	9/13/17	9/18/17 13:13	MFF
Acrylonitrile	ND	0.52	mg/Kg dry	1		SW-846 8260C	9/13/17	9/18/17 13:13	MFF
Benzene	ND	0.10	mg/Kg dry	1		SW-846 8260C	9/13/17	9/18/17 13:13	MFF
Bromobenzene	ND	0.10	mg/Kg dry	1		SW-846 8260C	9/13/17	9/18/17 13:13	MFF
Bromodichloromethane	ND	0.10	mg/Kg dry	1		SW-846 8260C	9/13/17	9/18/17 13:13	MFF
Bromoform	ND	0.10	mg/Kg dry	1		SW-846 8260C	9/13/17	9/18/17 13:13	MFF
Bromomethane	ND	0.21	mg/Kg dry	1		SW-846 8260C	9/13/17	9/18/17 13:13	MFF
2-Butanone (MEK)	ND	2.1	mg/Kg dry	1		SW-846 8260C	9/13/17	9/18/17 13:13	MFF
n-Butylbenzene	ND	0.10	mg/Kg dry	1		SW-846 8260C	9/13/17	9/18/17 13:13	MFF
sec-Butylbenzene	ND	0.10	mg/Kg dry	1		SW-846 8260C	9/13/17	9/18/17 13:13	MFF
tert-Butylbenzene	ND	0.10	mg/Kg dry	1		SW-846 8260C	9/13/17	9/18/17 13:13	MFF
Carbon Disulfide	ND	0.31	mg/Kg dry	1		SW-846 8260C	9/13/17	9/18/17 13:13	MFF
Carbon Tetrachloride	ND	0.10	mg/Kg dry	1		SW-846 8260C	9/13/17	9/18/17 13:13	MFF
Chlorobenzene	ND	0.10	mg/Kg dry	1		SW-846 8260C	9/13/17	9/18/17 13:13	MFF
Chlorodibromomethane	ND	0.052	mg/Kg dry	1		SW-846 8260C	9/13/17	9/18/17 13:13	MFF
Chloroethane	ND	0.21	mg/Kg dry	1		SW-846 8260C	9/13/17	9/18/17 13:13	MFF
Chloroform	ND	0.21	mg/Kg dry	1		SW-846 8260C	9/13/17	9/18/17 13:13	MFF
Chloromethane	ND	0.21	mg/Kg dry	1		SW-846 8260C	9/13/17	9/18/17 13:13	MFF
2-Chlorotoluene	ND	0.10	mg/Kg dry	1		SW-846 8260C	9/13/17	9/18/17 13:13	MFF
4-Chlorotoluene	ND	0.10	mg/Kg dry	1		SW-846 8260C	9/13/17	9/18/17 13:13	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.52	mg/Kg dry	1		SW-846 8260C	9/13/17	9/18/17 13:13	MFF
1,2-Dibromoethane (EDB)	ND	0.052	mg/Kg dry	1		SW-846 8260C	9/13/17	9/18/17 13:13	MFF
Dibromomethane	ND	0.10	mg/Kg dry	1		SW-846 8260C	9/13/17	9/18/17 13:13	MFF
1,2-Dichlorobenzene	ND	0.10	mg/Kg dry	1		SW-846 8260C	9/13/17	9/18/17 13:13	MFF
1,3-Dichlorobenzene	ND	0.10	mg/Kg dry	1		SW-846 8260C	9/13/17	9/18/17 13:13	MFF
1,4-Dichlorobenzene	ND	0.10	mg/Kg dry	1		SW-846 8260C	9/13/17	9/18/17 13:13	MFF
trans-1,4-Dichloro-2-butene	ND	0.21	mg/Kg dry	1		SW-846 8260C	9/13/17	9/18/17 13:13	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.21	mg/Kg dry	1		SW-846 8260C	9/13/17	9/18/17 13:13	MFF
1,1-Dichloroethane	ND	0.10	mg/Kg dry	1		SW-846 8260C	9/13/17	9/18/17 13:13	MFF
1,2-Dichloroethane	ND	0.10	mg/Kg dry	1		SW-846 8260C	9/13/17	9/18/17 13:13	MFF
1,1-Dichloroethylene	ND	0.10	mg/Kg dry	1		SW-846 8260C	9/13/17	9/18/17 13:13	MFF
cis-1,2-Dichloroethylene	ND	0.10	mg/Kg dry	1		SW-846 8260C	9/13/17	9/18/17 13:13	MFF
trans-1,2-Dichloroethylene	ND	0.10	mg/Kg dry	1		SW-846 8260C	9/13/17	9/18/17 13:13	MFF
1,2-Dichloropropane	ND	0.10	mg/Kg dry	1		SW-846 8260C	9/13/17	9/18/17 13:13	MFF
1,3-Dichloropropane	ND	0.052	mg/Kg dry	1		SW-846 8260C	9/13/17	9/18/17 13:13	MFF
2,2-Dichloropropane	ND	0.10	mg/Kg dry	1		SW-846 8260C	9/13/17	9/18/17 13:13	MFF
1,1-Dichloropropene	ND	0.21	mg/Kg dry	1		SW-846 8260C	9/13/17	9/18/17 13:13	MFF
cis-1,3-Dichloropropene	ND	0.052	mg/Kg dry	1		SW-846 8260C	9/13/17	9/18/17 13:13	MFF
trans-1,3-Dichloropropene	ND	0.052	mg/Kg dry	1		SW-846 8260C	9/13/17	9/18/17 13:13	MFF
Ethylbenzene	ND	0.10	mg/Kg dry	1		SW-846 8260C	9/13/17	9/18/17 13:13	MFF
Hexachlorobutadiene	ND	0.10	mg/Kg dry	1		SW-846 8260C	9/13/17	9/18/17 13:13	MFF
2-Hexanone (MBK)	ND	1.0	mg/Kg dry	1		SW-846 8260C	9/13/17	9/18/17 13:13	MFF
Isopropylbenzene (Cumene)	ND	0.10	mg/Kg dry	1		SW-846 8260C	9/13/17	9/18/17 13:13	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.10	mg/Kg dry	1		SW-846 8260C	9/13/17	9/18/17 13:13	MFF

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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: 17I0463

Date Received: 9/12/2017

Field Sample #: WS-AOC-10-SO-30-3 Sampled: 9/12/2017 13:12

Sample ID: 17I0463-05

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Methyl tert-Butyl Ether (MTBE)	ND	0.10	mg/Kg dry	1		SW-846 8260C	9/13/17	9/18/17 13:13	MFF
Methylene Chloride	ND	0.52	mg/Kg dry	1		SW-846 8260C	9/13/17	9/18/17 13:13	MFF
4-Methyl-2-pentanone (MIBK)	ND	1.0	mg/Kg dry	1		SW-846 8260C	9/13/17	9/18/17 13:13	MFF
Naphthalene	0.25	0.21	mg/Kg dry	1		SW-846 8260C	9/13/17	9/18/17 13:13	MFF
n-Propylbenzene	ND	0.10	mg/Kg dry	1		SW-846 8260C	9/13/17	9/18/17 13:13	MFF
Styrene	ND	0.10	mg/Kg dry	1		SW-846 8260C	9/13/17	9/18/17 13:13	MFF
1,1,1,2-Tetrachloroethane	ND	0.10	mg/Kg dry	1		SW-846 8260C	9/13/17	9/18/17 13:13	MFF
1,1,2,2-Tetrachloroethane	ND	0.052	mg/Kg dry	1		SW-846 8260C	9/13/17	9/18/17 13:13	MFF
Tetrachloroethylene	ND	0.10	mg/Kg dry	1		SW-846 8260C	9/13/17	9/18/17 13:13	MFF
Tetrahydrofuran	ND	1.0	mg/Kg dry	1		SW-846 8260C	9/13/17	9/18/17 13:13	MFF
Toluene	ND	0.10	mg/Kg dry	1		SW-846 8260C	9/13/17	9/18/17 13:13	MFF
1,2,3-Trichlorobenzene	ND	0.52	mg/Kg dry	1		SW-846 8260C	9/13/17	9/18/17 13:13	MFF
1,2,4-Trichlorobenzene	ND	0.10	mg/Kg dry	1		SW-846 8260C	9/13/17	9/18/17 13:13	MFF
1,1,1-Trichloroethane	ND	0.10	mg/Kg dry	1		SW-846 8260C	9/13/17	9/18/17 13:13	MFF
1,1,2-Trichloroethane	ND	0.10	mg/Kg dry	1		SW-846 8260C	9/13/17	9/18/17 13:13	MFF
Trichloroethylene	ND	0.10	mg/Kg dry	1		SW-846 8260C	9/13/17	9/18/17 13:13	MFF
Trichlorofluoromethane (Freon 11)	ND	0.21	mg/Kg dry	1		SW-846 8260C	9/13/17	9/18/17 13:13	MFF
1,2,3-Trichloropropane	ND	0.21	mg/Kg dry	1		SW-846 8260C	9/13/17	9/18/17 13:13	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.10	mg/Kg dry	1		SW-846 8260C	9/13/17	9/18/17 13:13	MFF
1,2,4-Trimethylbenzene	ND	0.10	mg/Kg dry	1		SW-846 8260C	9/13/17	9/18/17 13:13	MFF
1,3,5-Trimethylbenzene	ND	0.10	mg/Kg dry	1		SW-846 8260C	9/13/17	9/18/17 13:13	MFF
Vinyl Chloride	ND	0.21	mg/Kg dry	1		SW-846 8260C	9/13/17	9/18/17 13:13	MFF
m+p Xylene	ND	0.21	mg/Kg dry	1		SW-846 8260C	9/13/17	9/18/17 13:13	MFF
o-Xylene	ND	0.10	mg/Kg dry	1		SW-846 8260C	9/13/17	9/18/17 13:13	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	90.9	70-130		9/18/17 13:13
Toluene-d8	100	70-130		9/18/17 13:13
4-Bromofluorobenzene	107	70-130		9/18/17 13:13

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0463

Date Received: 9/12/2017

Field Sample #: WS-AOC-10-SO-30-3 Sampled: 9/12/2017 13:12

Sample ID: 17I0463-05

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	0.14	mg/Kg dry	4		SW-846 8082A	9/19/17	9/22/17 4:51	TG
Aroclor-1221 [1]	ND	0.14	mg/Kg dry	4		SW-846 8082A	9/19/17	9/22/17 4:51	TG
Aroclor-1232 [1]	ND	0.14	mg/Kg dry	4		SW-846 8082A	9/19/17	9/22/17 4:51	TG
Aroclor-1242 [1]	ND	0.14	mg/Kg dry	4		SW-846 8082A	9/19/17	9/22/17 4:51	TG
Aroclor-1248 [1]	ND	0.14	mg/Kg dry	4		SW-846 8082A	9/19/17	9/22/17 4:51	TG
Aroclor-1254 [1]	ND	0.14	mg/Kg dry	4		SW-846 8082A	9/19/17	9/22/17 4:51	TG
Aroclor-1260 [1]	ND	0.14	mg/Kg dry	4		SW-846 8082A	9/19/17	9/22/17 4:51	TG
Aroclor-1262 [1]	ND	0.14	mg/Kg dry	4		SW-846 8082A	9/19/17	9/22/17 4:51	TG
Aroclor-1268 [1]	ND	0.14	mg/Kg dry	4		SW-846 8082A	9/19/17	9/22/17 4:51	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	95.9	30-150		9/22/17 4:51
Decachlorobiphenyl [2]	96.3	30-150		9/22/17 4:51
Tetrachloro-m-xylene [1]	88.6	30-150		9/22/17 4:51
Tetrachloro-m-xylene [2]	91.7	30-150		9/22/17 4:51

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0463

Date Received: 9/12/2017

Field Sample #: WS-AOC-10-SO-30-3 Sampled: 9/12/2017 13:12

Sample ID: 17I0463-05

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	57.1		% Wt	1		SM 2540G	9/19/17	9/20/17 9:15	MRL

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0463

Date Received: 9/12/2017

Field Sample #: WS-AOC-10-SO-25-1 Sampled: 9/12/2017 03:13

Sample ID: 17I0463-06

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	0.47	mg/Kg dry	20		SW-846 8082A	9/19/17	9/22/17 11:22	TG
Aroclor-1221 [1]	ND	0.47	mg/Kg dry	20		SW-846 8082A	9/19/17	9/22/17 11:22	TG
Aroclor-1232 [1]	ND	0.47	mg/Kg dry	20		SW-846 8082A	9/19/17	9/22/17 11:22	TG
Aroclor-1242 [1]	ND	0.47	mg/Kg dry	20		SW-846 8082A	9/19/17	9/22/17 11:22	TG
Aroclor-1248 [1]	ND	0.47	mg/Kg dry	20		SW-846 8082A	9/19/17	9/22/17 11:22	TG
Aroclor-1254 [1]	ND	0.47	mg/Kg dry	20		SW-846 8082A	9/19/17	9/22/17 11:22	TG
Aroclor-1260 [1]	3.3	0.47	mg/Kg dry	20		SW-846 8082A	9/19/17	9/22/17 11:22	TG
Aroclor-1262 [1]	ND	0.47	mg/Kg dry	20		SW-846 8082A	9/19/17	9/22/17 11:22	TG
Aroclor-1268 [1]	ND	0.47	mg/Kg dry	20		SW-846 8082A	9/19/17	9/22/17 11:22	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	108	30-150		9/22/17 11:22
Decachlorobiphenyl [2]	91.4	30-150		9/22/17 11:22
Tetrachloro-m-xylene [1]	95.6	30-150		9/22/17 11:22
Tetrachloro-m-xylene [2]	90.4	30-150		9/22/17 11:22

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0463

Date Received: 9/12/2017

Field Sample #: WS-AOC-10-SO-25-1 Sampled: 9/12/2017 03:13

Sample ID: 17I0463-06

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	85.5		% Wt	1		SM 2540G	9/19/17	9/20/17 9:15	MRL

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0463

Date Received: 9/12/2017

Field Sample #: WS-AOC-10-SO-25-2 Sampled: 9/12/2017 13:14

Sample ID: 17I0463-07

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	0.094	mg/Kg dry	4		SW-846 8082A	9/19/17	9/22/17 5:27	TG
Aroclor-1221 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	9/19/17	9/22/17 5:27	TG
Aroclor-1232 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	9/19/17	9/22/17 5:27	TG
Aroclor-1242 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	9/19/17	9/22/17 5:27	TG
Aroclor-1248 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	9/19/17	9/22/17 5:27	TG
Aroclor-1254 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	9/19/17	9/22/17 5:27	TG
Aroclor-1260 [2]	0.83	0.094	mg/Kg dry	4		SW-846 8082A	9/19/17	9/22/17 5:27	TG
Aroclor-1262 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	9/19/17	9/22/17 5:27	TG
Aroclor-1268 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	9/19/17	9/22/17 5:27	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	97.0	30-150		9/22/17 5:27
Decachlorobiphenyl [2]	93.0	30-150		9/22/17 5:27
Tetrachloro-m-xylene [1]	91.5	30-150		9/22/17 5:27
Tetrachloro-m-xylene [2]	96.9	30-150		9/22/17 5:27

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0463

Date Received: 9/12/2017

Field Sample #: WS-AOC-10-SO-25-2 Sampled: 9/12/2017 13:14

Sample ID: 17I0463-07

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	84.9		% Wt	1		SM 2540G	9/19/17	9/20/17 9:15	MRL

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0463

Date Received: 9/12/2017

Field Sample #: WS-AOC-10-SO-8-1 Sampled: 9/12/2017 13:28

Sample ID: 17I0463-09

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	9/19/17	9/22/17 5:45	TG
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	9/19/17	9/22/17 5:45	TG
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	9/19/17	9/22/17 5:45	TG
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	9/19/17	9/22/17 5:45	TG
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	9/19/17	9/22/17 5:45	TG
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	9/19/17	9/22/17 5:45	TG
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	9/19/17	9/22/17 5:45	TG
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	9/19/17	9/22/17 5:45	TG
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	9/19/17	9/22/17 5:45	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	102	30-150		9/22/17 5:45
Decachlorobiphenyl [2]	93.7	30-150		9/22/17 5:45
Tetrachloro-m-xylene [1]	95.3	30-150		9/22/17 5:45
Tetrachloro-m-xylene [2]	99.4	30-150		9/22/17 5:45

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0463

Date Received: 9/12/2017

Field Sample #: WS-AOC-10-SO-8-1 Sampled: 9/12/2017 13:28

Sample ID: 17I0463-09

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	ND	3.2	mg/Kg dry	1		SW-846 6010C-D	9/18/17	9/19/17 16:30	QNW
Arsenic	11	3.2	mg/Kg dry	1		SW-846 6010C-D	9/18/17	9/19/17 16:30	QNW
Barium	170	3.2	mg/Kg dry	1		SW-846 6010C-D	9/18/17	9/19/17 16:30	QNW
Beryllium	ND	0.32	mg/Kg dry	1		SW-846 6010C-D	9/18/17	9/19/17 16:30	QNW
Cadmium	0.81	0.32	mg/Kg dry	1		SW-846 6010C-D	9/18/17	9/19/17 16:30	QNW
Chromium	22	0.64	mg/Kg dry	1		SW-846 6010C-D	9/18/17	9/19/17 16:30	QNW
Copper	270	0.64	mg/Kg dry	1		SW-846 6010C-D	9/18/17	9/19/17 16:30	QNW
Lead	190	0.95	mg/Kg dry	1		SW-846 6010C-D	9/18/17	9/19/17 16:30	QNW
Mercury	0.28	0.033	mg/Kg dry	1		SW-846 7471B	9/18/17	9/19/17 9:40	TJK
Nickel	14	0.64	mg/Kg dry	1		SW-846 6010C-D	9/18/17	9/19/17 16:30	QNW
Selenium	ND	6.4	mg/Kg dry	1		SW-846 6010C-D	9/18/17	9/19/17 16:30	QNW
Silver	ND	0.64	mg/Kg dry	1		SW-846 6010C-D	9/18/17	9/19/17 16:30	QNW
Thallium	ND	3.2	mg/Kg dry	1		SW-846 6010C-D	9/18/17	9/19/17 16:30	QNW
Vanadium	30	1.3	mg/Kg dry	1		SW-846 6010C-D	9/18/17	9/19/17 16:30	QNW
Zinc	180	1.3	mg/Kg dry	1		SW-846 6010C-D	9/18/17	9/19/17 16:30	QNW

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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: 17I0463

Date Received: 9/12/2017

Field Sample #: WS-AOC-10-SO-8-1 Sampled: 9/12/2017 13:28

Sample ID: 17I0463-09

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	74.5		% Wt	1		SM 2540G	9/19/17	9/20/17 9:15	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: 17I0463

Date Received: 9/12/2017

Field Sample #: WS-AOC-10-SO-8-2 Sampled: 9/12/2017 13:29

Sample ID: 17I0463-10

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	0.11	mg/Kg dry	4		SW-846 8082A	9/19/17	9/22/17 6:03	TG
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	9/19/17	9/22/17 6:03	TG
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	9/19/17	9/22/17 6:03	TG
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	9/19/17	9/22/17 6:03	TG
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	9/19/17	9/22/17 6:03	TG
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	9/19/17	9/22/17 6:03	TG
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	9/19/17	9/22/17 6:03	TG
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	9/19/17	9/22/17 6:03	TG
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	9/19/17	9/22/17 6:03	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	104	30-150		9/22/17 6:03
Decachlorobiphenyl [2]	95.2	30-150		9/22/17 6:03
Tetrachloro-m-xylene [1]	97.0	30-150		9/22/17 6:03
Tetrachloro-m-xylene [2]	101	30-150		9/22/17 6:03

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0463

Date Received: 9/12/2017

Field Sample #: WS-AOC-10-SO-8-2 Sampled: 9/12/2017 13:29

Sample ID: 17I0463-10

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	71.4		% Wt	1		SM 2540G	9/19/17	9/20/17 9:15	MRL

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0463

Date Received: 9/12/2017

Field Sample #: WS-AOC-10-SO-8-3 Sampled: 9/12/2017 13:29

Sample ID: 17I0463-11

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.14	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 9:15	MFF
Acrylonitrile	ND	0.0086	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 9:15	MFF
Benzene	ND	0.0029	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 9:15	MFF
Bromobenzene	ND	0.0029	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 9:15	MFF
Bromodichloromethane	ND	0.0029	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 9:15	MFF
Bromoform	ND	0.0029	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 9:15	MFF
Bromomethane	ND	0.014	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 9:15	MFF
2-Butanone (MEK)	ND	0.057	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 9:15	MFF
n-Butylbenzene	ND	0.0029	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 9:15	MFF
sec-Butylbenzene	ND	0.0029	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 9:15	MFF
tert-Butylbenzene	ND	0.0029	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 9:15	MFF
Carbon Disulfide	ND	0.0086	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 9:15	MFF
Carbon Tetrachloride	ND	0.0029	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 9:15	MFF
Chlorobenzene	ND	0.0029	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 9:15	MFF
Chlorodibromomethane	ND	0.0014	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 9:15	MFF
Chloroethane	ND	0.029	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 9:15	MFF
Chloroform	ND	0.0057	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 9:15	MFF
Chloromethane	ND	0.014	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 9:15	MFF
2-Chlorotoluene	ND	0.0029	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 9:15	MFF
4-Chlorotoluene	ND	0.0029	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 9:15	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0029	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 9:15	MFF
1,2-Dibromoethane (EDB)	ND	0.0014	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 9:15	MFF
Dibromomethane	ND	0.0029	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 9:15	MFF
1,2-Dichlorobenzene	ND	0.0029	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 9:15	MFF
1,3-Dichlorobenzene	ND	0.0029	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 9:15	MFF
1,4-Dichlorobenzene	ND	0.0029	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 9:15	MFF
trans-1,4-Dichloro-2-butene	ND	0.0057	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 9:15	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.029	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 9:15	MFF
1,1-Dichloroethane	ND	0.0029	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 9:15	MFF
1,2-Dichloroethane	ND	0.0029	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 9:15	MFF
1,1-Dichloroethylene	ND	0.0057	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 9:15	MFF
cis-1,2-Dichloroethylene	ND	0.0029	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 9:15	MFF
trans-1,2-Dichloroethylene	ND	0.0029	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 9:15	MFF
1,2-Dichloropropane	ND	0.0029	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 9:15	MFF
1,3-Dichloropropane	ND	0.0014	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 9:15	MFF
2,2-Dichloropropane	ND	0.0029	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 9:15	MFF
1,1-Dichloropropene	ND	0.0029	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 9:15	MFF
cis-1,3-Dichloropropene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 9:15	MFF
trans-1,3-Dichloropropene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 9:15	MFF
Ethylbenzene	ND	0.0029	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 9:15	MFF
Hexachlorobutadiene	ND	0.0029	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 9:15	MFF
2-Hexanone (MBK)	ND	0.029	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 9:15	MFF
Isopropylbenzene (Cumene)	ND	0.0029	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 9:15	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0029	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 9:15	MFF

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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: 17I0463

Date Received: 9/12/2017

Field Sample #: WS-AOC-10-SO-8-3 Sampled: 9/12/2017 13:29

Sample ID: 17I0463-11

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Methyl tert-Butyl Ether (MTBE)	ND	0.0057	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 9:15	MFF
Methylene Chloride	ND	0.029	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 9:15	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.029	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 9:15	MFF
Naphthalene	ND	0.0057	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 9:15	MFF
n-Propylbenzene	ND	0.0029	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 9:15	MFF
Styrene	ND	0.0029	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 9:15	MFF
1,1,1,2-Tetrachloroethane	ND	0.0029	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 9:15	MFF
1,1,2,2-Tetrachloroethane	ND	0.0057	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 9:15	MFF
Tetrachloroethylene	ND	0.0029	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 9:15	MFF
Tetrahydrofuran	ND	0.014	mg/Kg dry	1	V-16	SW-846 8260C	9/14/17	9/14/17 9:15	MFF
Toluene	ND	0.0029	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 9:15	MFF
1,2,3-Trichlorobenzene	ND	0.0029	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 9:15	MFF
1,2,4-Trichlorobenzene	ND	0.0029	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 9:15	MFF
1,1,1-Trichloroethane	ND	0.0029	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 9:15	MFF
1,1,2-Trichloroethane	ND	0.0029	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 9:15	MFF
Trichloroethylene	ND	0.0029	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 9:15	MFF
Trichlorofluoromethane (Freon 11)	ND	0.014	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 9:15	MFF
1,2,3-Trichloropropane	ND	0.0029	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 9:15	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.014	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 9:15	MFF
1,2,4-Trimethylbenzene	ND	0.0029	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 9:15	MFF
1,3,5-Trimethylbenzene	ND	0.0029	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 9:15	MFF
Vinyl Chloride	ND	0.014	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 9:15	MFF
m+p Xylene	ND	0.0057	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 9:15	MFF
o-Xylene	ND	0.0029	mg/Kg dry	1		SW-846 8260C	9/14/17	9/14/17 9:15	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	101	70-130		9/14/17 9:15
Toluene-d8	106	70-130		9/14/17 9:15
4-Bromofluorobenzene	101	70-130		9/14/17 9:15

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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: 17I0463

Date Received: 9/12/2017

Field Sample #: WS-AOC-10-SO-8-3 Sampled: 9/12/2017 13:29

Sample ID: 17I0463-11

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	0.14	mg/Kg dry	4		SW-846 8082A	9/19/17	9/22/17 6:21	TG
Aroclor-1221 [1]	ND	0.14	mg/Kg dry	4		SW-846 8082A	9/19/17	9/22/17 6:21	TG
Aroclor-1232 [1]	ND	0.14	mg/Kg dry	4		SW-846 8082A	9/19/17	9/22/17 6:21	TG
Aroclor-1242 [1]	ND	0.14	mg/Kg dry	4		SW-846 8082A	9/19/17	9/22/17 6:21	TG
Aroclor-1248 [1]	ND	0.14	mg/Kg dry	4		SW-846 8082A	9/19/17	9/22/17 6:21	TG
Aroclor-1254 [1]	ND	0.14	mg/Kg dry	4		SW-846 8082A	9/19/17	9/22/17 6:21	TG
Aroclor-1260 [1]	ND	0.14	mg/Kg dry	4		SW-846 8082A	9/19/17	9/22/17 6:21	TG
Aroclor-1262 [1]	ND	0.14	mg/Kg dry	4		SW-846 8082A	9/19/17	9/22/17 6:21	TG
Aroclor-1268 [1]	ND	0.14	mg/Kg dry	4		SW-846 8082A	9/19/17	9/22/17 6:21	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	83.4	30-150		9/22/17 6:21
Decachlorobiphenyl [2]	76.6	30-150		9/22/17 6:21
Tetrachloro-m-xylene [1]	80.1	30-150		9/22/17 6:21
Tetrachloro-m-xylene [2]	83.6	30-150		9/22/17 6:21

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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: 17I0463

Date Received: 9/12/2017

Field Sample #: WS-AOC-10-SO-8-3 Sampled: 9/12/2017 13:29

Sample ID: 17I0463-11

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	59.2		% Wt	1		SM 2540G	9/19/17	9/20/17 9:15	MRL

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0463

Date Received: 9/12/2017

Field Sample #: WS-AOC-10-SO-7-1 Sampled: 9/12/2017 13:38

Sample ID: 17I0463-12

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	9/19/17	9/22/17 6:39	TG
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	9/19/17	9/22/17 6:39	TG
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	9/19/17	9/22/17 6:39	TG
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	9/19/17	9/22/17 6:39	TG
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	9/19/17	9/22/17 6:39	TG
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	9/19/17	9/22/17 6:39	TG
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	9/19/17	9/22/17 6:39	TG
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	9/19/17	9/22/17 6:39	TG
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	9/19/17	9/22/17 6:39	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	87.3	30-150		9/22/17 6:39
Decachlorobiphenyl [2]	79.0	30-150		9/22/17 6:39
Tetrachloro-m-xylene [1]	85.2	30-150		9/22/17 6:39
Tetrachloro-m-xylene [2]	86.4	30-150		9/22/17 6:39

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0463

Date Received: 9/12/2017

Field Sample #: WS-AOC-10-SO-7-1 Sampled: 9/12/2017 13:38

Sample ID: 17I0463-12

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	130	14	mg/Kg dry	1		CTDEP ETPH	9/19/17	9/21/17 2:54	SCS

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
o-Terphenyl	67.8	50-150		9/21/17 2:54

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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: 17I0463

Date Received: 9/12/2017

Field Sample #: WS-AOC-10-SO-7-1 Sampled: 9/12/2017 13:38

Sample ID: 17I0463-12

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	72.4		% Wt	1		SM 2540G	9/19/17	9/20/17 9:15	MRL

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0463

Date Received: 9/12/2017

Field Sample #: WS-AOC-10-SO-7-2 Sampled: 9/12/2017 13:39

Sample ID: 17I0463-13

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	0.11	mg/Kg dry	4		SW-846 8082A	9/19/17	9/22/17 6:57	TG
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	9/19/17	9/22/17 6:57	TG
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	9/19/17	9/22/17 6:57	TG
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	9/19/17	9/22/17 6:57	TG
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	9/19/17	9/22/17 6:57	TG
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	9/19/17	9/22/17 6:57	TG
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	9/19/17	9/22/17 6:57	TG
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	9/19/17	9/22/17 6:57	TG
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	9/19/17	9/22/17 6:57	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	98.8	30-150		9/22/17 6:57
Decachlorobiphenyl [2]	89.7	30-150		9/22/17 6:57
Tetrachloro-m-xylene [1]	89.8	30-150		9/22/17 6:57
Tetrachloro-m-xylene [2]	92.9	30-150		9/22/17 6:57

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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: 17I0463

Date Received: 9/12/2017

Field Sample #: WS-AOC-10-SO-7-2 Sampled: 9/12/2017 13:39

Sample ID: 17I0463-13

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	70.1		% Wt	1		SM 2540G	9/19/17	9/20/17 9:15	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: 17I0463

Date Received: 9/12/2017

Field Sample #: WS-AOC-10-SO-7-3 Sampled: 9/12/2017 13:40

Sample ID: 17I0463-14

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	0.12	mg/Kg dry	4		SW-846 8082A	9/19/17	9/22/17 8:04	TG
Aroclor-1221 [1]	ND	0.12	mg/Kg dry	4		SW-846 8082A	9/19/17	9/22/17 8:04	TG
Aroclor-1232 [1]	ND	0.12	mg/Kg dry	4		SW-846 8082A	9/19/17	9/22/17 8:04	TG
Aroclor-1242 [1]	ND	0.12	mg/Kg dry	4		SW-846 8082A	9/19/17	9/22/17 8:04	TG
Aroclor-1248 [1]	ND	0.12	mg/Kg dry	4		SW-846 8082A	9/19/17	9/22/17 8:04	TG
Aroclor-1254 [1]	ND	0.12	mg/Kg dry	4		SW-846 8082A	9/19/17	9/22/17 8:04	TG
Aroclor-1260 [1]	ND	0.12	mg/Kg dry	4		SW-846 8082A	9/19/17	9/22/17 8:04	TG
Aroclor-1262 [1]	ND	0.12	mg/Kg dry	4		SW-846 8082A	9/19/17	9/22/17 8:04	TG
Aroclor-1268 [1]	ND	0.12	mg/Kg dry	4		SW-846 8082A	9/19/17	9/22/17 8:04	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	107	30-150		9/22/17 8:04
Decachlorobiphenyl [2]	95.1	30-150		9/22/17 8:04
Tetrachloro-m-xylene [1]	95.8	30-150		9/22/17 8:04
Tetrachloro-m-xylene [2]	98.9	30-150		9/22/17 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: 17I0463

Date Received: 9/12/2017

Field Sample #: WS-AOC-10-SO-7-3 Sampled: 9/12/2017 13:40

Sample ID: 17I0463-14

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	66.8		% Wt	1		SM 2540G	9/19/17	9/20/17 9:15	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: 17I0463

Date Received: 9/12/2017

Field Sample #: WS-AOC-10-SO-11-1 Sampled: 9/12/2017 13:47

Sample ID: 17I0463-15

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	0.21	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 15:25	BGL
Acenaphthylene	ND	0.21	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 15:25	BGL
Aniline	ND	0.42	mg/Kg dry	1	L-04	SW-846 8270D	9/18/17	9/19/17 15:25	BGL
Anthracene	ND	0.21	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 15:25	BGL
Benzo(a)anthracene	0.65	0.21	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 15:25	BGL
Benzo(a)pyrene	0.64	0.21	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 15:25	BGL
Benzo(b)fluoranthene	0.77	0.21	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 15:25	BGL
Benzo(g,h,i)perylene	0.44	0.21	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 15:25	BGL
Benzo(k)fluoranthene	0.30	0.21	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 15:25	BGL
Bis(2-chloroethoxy)methane	ND	0.42	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 15:25	BGL
Bis(2-chloroethyl)ether	ND	0.42	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 15:25	BGL
Bis(2-chloroisopropyl)ether	ND	0.42	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 15:25	BGL
Bis(2-Ethylhexyl)phthalate	ND	0.42	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 15:25	BGL
4-Bromophenylphenylether	ND	0.42	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 15:25	BGL
Butylbenzylphthalate	ND	0.42	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 15:25	BGL
Carbazole	ND	0.21	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 15:25	BGL
4-Chloroaniline	ND	0.82	mg/Kg dry	1	L-04	SW-846 8270D	9/18/17	9/19/17 15:25	BGL
4-Chloro-3-methylphenol	ND	0.82	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 15:25	BGL
2-Chloronaphthalene	ND	0.42	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 15:25	BGL
2-Chlorophenol	ND	0.42	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 15:25	BGL
4-Chlorophenylphenylether	ND	0.42	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 15:25	BGL
Chrysene	0.65	0.21	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 15:25	BGL
Dibenz(a,h)anthracene	ND	0.21	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 15:25	BGL
Dibenzofuran	ND	0.42	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 15:25	BGL
Di-n-butylphthalate	ND	0.42	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 15:25	BGL
3,3-Dichlorobenzidine	ND	0.21	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 15:25	BGL
2,4-Dichlorophenol	ND	0.42	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 15:25	BGL
Diethylphthalate	ND	0.42	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 15:25	BGL
2,4-Dimethylphenol	ND	0.42	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 15:25	BGL
Dimethylphthalate	ND	0.42	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 15:25	BGL
4,6-Dinitro-2-methylphenol	ND	0.42	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 15:25	BGL
2,4-Dinitrophenol	ND	0.82	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 15:25	BGL
2,4-Dinitrotoluene	ND	0.42	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 15:25	BGL
2,6-Dinitrotoluene	ND	0.42	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 15:25	BGL
Di-n-octylphthalate	ND	0.42	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 15:25	BGL
Fluoranthene	1.5	0.21	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 15:25	BGL
Fluorene	ND	0.21	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 15:25	BGL
Hexachlorobenzene	ND	0.42	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 15:25	BGL
Hexachlorobutadiene	ND	0.42	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 15:25	BGL
Hexachlorocyclopentadiene	ND	0.42	mg/Kg dry	1	V-05	SW-846 8270D	9/18/17	9/19/17 15:25	BGL
Hexachloroethane	ND	0.42	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 15:25	BGL
Indeno(1,2,3-cd)pyrene	0.44	0.21	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 15:25	BGL
Isophorone	ND	0.42	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 15:25	BGL
2-Methylnaphthalene	ND	0.21	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 15:25	BGL

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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: 17I0463

Date Received: 9/12/2017

Field Sample #: WS-AOC-10-SO-11-1 Sampled: 9/12/2017 13:47

Sample ID: 17I0463-15

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Methylphenol	ND	0.42	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 15:25	BGL
3/4-Methylphenol	ND	0.42	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 15:25	BGL
Naphthalene	ND	0.21	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 15:25	BGL
2-Nitroaniline	ND	0.42	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 15:25	BGL
3-Nitroaniline	ND	0.42	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 15:25	BGL
4-Nitroaniline	ND	0.42	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 15:25	BGL
Nitrobenzene	ND	0.42	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 15:25	BGL
2-Nitrophenol	ND	0.42	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 15:25	BGL
4-Nitrophenol	ND	0.82	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 15:25	BGL
N-Nitrosodiphenylamine	ND	0.42	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 15:25	BGL
N-Nitrosodi-n-propylamine	ND	0.42	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 15:25	BGL
Pentachloronitrobenzene	ND	0.42	mg/Kg dry	1	V-16, V-20	SW-846 8270D	9/18/17	9/19/17 15:25	BGL
Pentachlorophenol	ND	0.42	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 15:25	BGL
Phenanthrene	0.95	0.21	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 15:25	BGL
Phenol	ND	0.42	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 15:25	BGL
Pyrene	1.4	0.21	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 15:25	BGL
Pyridine	ND	0.42	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 15:25	BGL
1,2,4,5-Tetrachlorobenzene	ND	0.42	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 15:25	BGL
1,2,4-Trichlorobenzene	ND	0.42	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 15:25	BGL
2,4,5-Trichlorophenol	ND	0.42	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 15:25	BGL
2,4,6-Trichlorophenol	ND	0.42	mg/Kg dry	1		SW-846 8270D	9/18/17	9/19/17 15:25	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	55.3	30-130		9/19/17 15:25
Phenol-d6	58.6	30-130		9/19/17 15:25
Nitrobenzene-d5	58.6	30-130		9/19/17 15:25
2-Fluorobiphenyl	71.6	30-130		9/19/17 15:25
2,4,6-Tribromophenol	86.9	30-130		9/19/17 15:25
p-Terphenyl-d14	79.5	30-130		9/19/17 15:25

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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: 17I0463

Date Received: 9/12/2017

Field Sample #: WS-AOC-10-SO-11-1 Sampled: 9/12/2017 13:47

Sample ID: 17I0463-15

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	0.099	mg/Kg dry	4		SW-846 8082A	9/19/17	9/22/17 8:22	TG
Aroclor-1221 [1]	ND	0.099	mg/Kg dry	4		SW-846 8082A	9/19/17	9/22/17 8:22	TG
Aroclor-1232 [1]	ND	0.099	mg/Kg dry	4		SW-846 8082A	9/19/17	9/22/17 8:22	TG
Aroclor-1242 [1]	ND	0.099	mg/Kg dry	4		SW-846 8082A	9/19/17	9/22/17 8:22	TG
Aroclor-1248 [1]	ND	0.099	mg/Kg dry	4		SW-846 8082A	9/19/17	9/22/17 8:22	TG
Aroclor-1254 [1]	ND	0.099	mg/Kg dry	4		SW-846 8082A	9/19/17	9/22/17 8:22	TG
Aroclor-1260 [1]	0.28	0.099	mg/Kg dry	4		SW-846 8082A	9/19/17	9/22/17 8:22	TG
Aroclor-1262 [1]	ND	0.099	mg/Kg dry	4		SW-846 8082A	9/19/17	9/22/17 8:22	TG
Aroclor-1268 [1]	ND	0.099	mg/Kg dry	4		SW-846 8082A	9/19/17	9/22/17 8:22	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	98.5	30-150		9/22/17 8:22
Decachlorobiphenyl [2]	88.3	30-150		9/22/17 8:22
Tetrachloro-m-xylene [1]	85.3	30-150		9/22/17 8:22
Tetrachloro-m-xylene [2]	87.9	30-150		9/22/17 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: 17I0463

Date Received: 9/12/2017

Field Sample #: WS-AOC-10-SO-11-1 Sampled: 9/12/2017 13:47

Sample ID: 17I0463-15

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	80.9		% Wt	1		SM 2540G	9/19/17	9/20/17 9:15	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: 17I0463

Date Received: 9/12/2017

Field Sample #: WS-AOC-10-SO-11-2 Sampled: 9/12/2017 13:48

Sample ID: 17I0463-16

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	0.13	mg/Kg dry	4		SW-846 8082A	9/19/17	9/22/17 8:40	TG
Aroclor-1221 [1]	ND	0.13	mg/Kg dry	4		SW-846 8082A	9/19/17	9/22/17 8:40	TG
Aroclor-1232 [1]	ND	0.13	mg/Kg dry	4		SW-846 8082A	9/19/17	9/22/17 8:40	TG
Aroclor-1242 [1]	ND	0.13	mg/Kg dry	4		SW-846 8082A	9/19/17	9/22/17 8:40	TG
Aroclor-1248 [1]	ND	0.13	mg/Kg dry	4		SW-846 8082A	9/19/17	9/22/17 8:40	TG
Aroclor-1254 [1]	ND	0.13	mg/Kg dry	4		SW-846 8082A	9/19/17	9/22/17 8:40	TG
Aroclor-1260 [1]	ND	0.13	mg/Kg dry	4		SW-846 8082A	9/19/17	9/22/17 8:40	TG
Aroclor-1262 [1]	ND	0.13	mg/Kg dry	4		SW-846 8082A	9/19/17	9/22/17 8:40	TG
Aroclor-1268 [1]	ND	0.13	mg/Kg dry	4		SW-846 8082A	9/19/17	9/22/17 8:40	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	103	30-150		9/22/17 8:40
Decachlorobiphenyl [2]	91.9	30-150		9/22/17 8:40
Tetrachloro-m-xylene [1]	94.0	30-150		9/22/17 8:40
Tetrachloro-m-xylene [2]	96.4	30-150		9/22/17 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: 17I0463

Date Received: 9/12/2017

Field Sample #: WS-AOC-10-SO-11-2 Sampled: 9/12/2017 13:48

Sample ID: 17I0463-16

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	60.1		% Wt	1		SM 2540G	9/19/17	9/20/17 9:15	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: 17I0463

Date Received: 9/12/2017

Field Sample #: WS-AOC-10-SO-11-3 Sampled: 9/12/2017 13:49

Sample ID: 17I0463-17

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	0.17	mg/Kg dry	4		SW-846 8082A	9/19/17	9/22/17 8:59	TG
Aroclor-1221 [1]	ND	0.17	mg/Kg dry	4		SW-846 8082A	9/19/17	9/22/17 8:59	TG
Aroclor-1232 [1]	ND	0.17	mg/Kg dry	4		SW-846 8082A	9/19/17	9/22/17 8:59	TG
Aroclor-1242 [1]	ND	0.17	mg/Kg dry	4		SW-846 8082A	9/19/17	9/22/17 8:59	TG
Aroclor-1248 [1]	ND	0.17	mg/Kg dry	4		SW-846 8082A	9/19/17	9/22/17 8:59	TG
Aroclor-1254 [1]	ND	0.17	mg/Kg dry	4		SW-846 8082A	9/19/17	9/22/17 8:59	TG
Aroclor-1260 [1]	ND	0.17	mg/Kg dry	4		SW-846 8082A	9/19/17	9/22/17 8:59	TG
Aroclor-1262 [1]	ND	0.17	mg/Kg dry	4		SW-846 8082A	9/19/17	9/22/17 8:59	TG
Aroclor-1268 [1]	ND	0.17	mg/Kg dry	4		SW-846 8082A	9/19/17	9/22/17 8:59	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	104	30-150		9/22/17 8:59
Decachlorobiphenyl [2]	92.7	30-150		9/22/17 8:59
Tetrachloro-m-xylene [1]	96.6	30-150		9/22/17 8:59
Tetrachloro-m-xylene [2]	96.9	30-150		9/22/17 8:59

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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: 17I0463

Date Received: 9/12/2017

Field Sample #: WS-AOC-10-SO-11-3 Sampled: 9/12/2017 13:49

Sample ID: 17I0463-17

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	45.9		% Wt	1		SM 2540G	9/19/17	9/20/17 9:15	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: 17I0463

Date Received: 9/12/2017

Field Sample #: WS-AOC-10-SO-10-1 Sampled: 9/12/2017 13:50

Sample ID: 17I0463-18

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	0.13	mg/Kg dry	4		SW-846 8082A	9/19/17	9/22/17 9:17	TG
Aroclor-1221 [1]	ND	0.13	mg/Kg dry	4		SW-846 8082A	9/19/17	9/22/17 9:17	TG
Aroclor-1232 [1]	ND	0.13	mg/Kg dry	4		SW-846 8082A	9/19/17	9/22/17 9:17	TG
Aroclor-1242 [1]	ND	0.13	mg/Kg dry	4		SW-846 8082A	9/19/17	9/22/17 9:17	TG
Aroclor-1248 [1]	ND	0.13	mg/Kg dry	4		SW-846 8082A	9/19/17	9/22/17 9:17	TG
Aroclor-1254 [1]	ND	0.13	mg/Kg dry	4		SW-846 8082A	9/19/17	9/22/17 9:17	TG
Aroclor-1260 [1]	ND	0.13	mg/Kg dry	4		SW-846 8082A	9/19/17	9/22/17 9:17	TG
Aroclor-1262 [1]	ND	0.13	mg/Kg dry	4		SW-846 8082A	9/19/17	9/22/17 9:17	TG
Aroclor-1268 [1]	ND	0.13	mg/Kg dry	4		SW-846 8082A	9/19/17	9/22/17 9:17	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	107	30-150		9/22/17 9:17
Decachlorobiphenyl [2]	95.1	30-150		9/22/17 9:17
Tetrachloro-m-xylene [1]	98.8	30-150		9/22/17 9:17
Tetrachloro-m-xylene [2]	101	30-150		9/22/17 9:17

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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: 17I0463

Date Received: 9/12/2017

Field Sample #: WS-AOC-10-SO-10-1 Sampled: 9/12/2017 13:50

Sample ID: 17I0463-18

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	5.4	3.8	mg/Kg dry	1		SW-846 6010C-D	9/18/17	9/19/17 16:33	QNW
Arsenic	ND	3.8	mg/Kg dry	1		SW-846 6010C-D	9/18/17	9/19/17 16:33	QNW
Barium	43	3.8	mg/Kg dry	1		SW-846 6010C-D	9/18/17	9/19/17 16:33	QNW
Beryllium	ND	0.38	mg/Kg dry	1		SW-846 6010C-D	9/18/17	9/19/17 16:33	QNW
Cadmium	ND	0.38	mg/Kg dry	1		SW-846 6010C-D	9/18/17	9/19/17 16:33	QNW
Chromium	34	0.77	mg/Kg dry	1		SW-846 6010C-D	9/18/17	9/19/17 16:33	QNW
Copper	14	0.77	mg/Kg dry	1		SW-846 6010C-D	9/18/17	9/19/17 16:33	QNW
Lead	15	1.2	mg/Kg dry	1		SW-846 6010C-D	9/18/17	9/19/17 16:33	QNW
Mercury	ND	0.040	mg/Kg dry	1		SW-846 7471B	9/18/17	9/19/17 9:42	TJK
Nickel	9.3	0.77	mg/Kg dry	1		SW-846 6010C-D	9/18/17	9/19/17 16:33	QNW
Selenium	ND	7.7	mg/Kg dry	1		SW-846 6010C-D	9/18/17	9/19/17 16:33	QNW
Silver	ND	0.77	mg/Kg dry	1		SW-846 6010C-D	9/18/17	9/19/17 16:33	QNW
Thallium	ND	3.8	mg/Kg dry	1		SW-846 6010C-D	9/18/17	9/19/17 16:33	QNW
Vanadium	41	1.5	mg/Kg dry	1		SW-846 6010C-D	9/18/17	9/19/17 16:33	QNW
Zinc	35	1.5	mg/Kg dry	1		SW-846 6010C-D	9/18/17	9/19/17 16:33	QNW

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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: 17I0463

Date Received: 9/12/2017

Field Sample #: WS-AOC-10-SO-10-1 Sampled: 9/12/2017 13:50

Sample ID: 17I0463-18

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	62.2		% Wt	1		SM 2540G	9/19/17	9/20/17 9:15	MRL

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0463

Date Received: 9/12/2017

Field Sample #: WS-AOC-10-SO-10-2 Sampled: 9/12/2017 13:51

Sample ID: 17I0463-19

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	0.15	mg/Kg dry	4		SW-846 8082A	9/19/17	9/22/17 9:35	TG
Aroclor-1221 [1]	ND	0.15	mg/Kg dry	4		SW-846 8082A	9/19/17	9/22/17 9:35	TG
Aroclor-1232 [1]	ND	0.15	mg/Kg dry	4		SW-846 8082A	9/19/17	9/22/17 9:35	TG
Aroclor-1242 [1]	ND	0.15	mg/Kg dry	4		SW-846 8082A	9/19/17	9/22/17 9:35	TG
Aroclor-1248 [1]	ND	0.15	mg/Kg dry	4		SW-846 8082A	9/19/17	9/22/17 9:35	TG
Aroclor-1254 [1]	ND	0.15	mg/Kg dry	4		SW-846 8082A	9/19/17	9/22/17 9:35	TG
Aroclor-1260 [1]	ND	0.15	mg/Kg dry	4		SW-846 8082A	9/19/17	9/22/17 9:35	TG
Aroclor-1262 [1]	ND	0.15	mg/Kg dry	4		SW-846 8082A	9/19/17	9/22/17 9:35	TG
Aroclor-1268 [1]	ND	0.15	mg/Kg dry	4		SW-846 8082A	9/19/17	9/22/17 9:35	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	107	30-150		9/22/17 9:35
Decachlorobiphenyl [2]	95.4	30-150		9/22/17 9:35
Tetrachloro-m-xylene [1]	96.9	30-150		9/22/17 9:35
Tetrachloro-m-xylene [2]	99.4	30-150		9/22/17 9:35

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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: 17I0463

Date Received: 9/12/2017

Field Sample #: WS-AOC-10-SO-10-2 Sampled: 9/12/2017 13:51

Sample ID: 17I0463-19

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	55.0		% Wt	1		SM 2540G	9/19/17	9/20/17 9:15	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: 17I0463

Date Received: 9/12/2017

Field Sample #: WS-AOC-10-SO-10-3 Sampled: 9/12/2017 13:52

Sample ID: 17I0463-20

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	9/19/17	9/22/17 9:52	TG
Aroclor-1221 [1]	ND	0.14	mg/Kg dry	4		SW-846 8082A	9/19/17	9/22/17 9:52	TG
Aroclor-1232 [1]	ND	0.14	mg/Kg dry	4		SW-846 8082A	9/19/17	9/22/17 9:52	TG
Aroclor-1242 [1]	ND	0.14	mg/Kg dry	4		SW-846 8082A	9/19/17	9/22/17 9:52	TG
Aroclor-1248 [1]	ND	0.14	mg/Kg dry	4		SW-846 8082A	9/19/17	9/22/17 9:52	TG
Aroclor-1254 [1]	ND	0.14	mg/Kg dry	4		SW-846 8082A	9/19/17	9/22/17 9:52	TG
Aroclor-1260 [1]	ND	0.14	mg/Kg dry	4		SW-846 8082A	9/19/17	9/22/17 9:52	TG
Aroclor-1262 [1]	ND	0.14	mg/Kg dry	4		SW-846 8082A	9/19/17	9/22/17 9:52	TG
Aroclor-1268 [1]	ND	0.14	mg/Kg dry	4		SW-846 8082A	9/19/17	9/22/17 9:52	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	110	30-150		9/22/17 9:52
Decachlorobiphenyl [2]	98.0	30-150		9/22/17 9:52
Tetrachloro-m-xylene [1]	94.7	30-150		9/22/17 9:52
Tetrachloro-m-xylene [2]	96.5	30-150		9/22/17 9:52

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: 17I0463

Date Received: 9/12/2017

Field Sample #: WS-AOC-10-SO-10-3 Sampled: 9/12/2017 13:52

Sample ID: 17I0463-20

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	57.1		% Wt	1		SM 2540G	9/19/17	9/20/17 9:15	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: 17I0463

Date Received: 9/12/2017

Field Sample #: WS-AOC-10-SO-13-1 Sampled: 9/12/2017 13:55

Sample ID: 17I0463-21

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	0.089	mg/Kg dry	4		SW-846 8082A	9/19/17	9/22/17 10:10	TG
Aroclor-1221 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	9/19/17	9/22/17 10:10	TG
Aroclor-1232 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	9/19/17	9/22/17 10:10	TG
Aroclor-1242 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	9/19/17	9/22/17 10:10	TG
Aroclor-1248 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	9/19/17	9/22/17 10:10	TG
Aroclor-1254 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	9/19/17	9/22/17 10:10	TG
Aroclor-1260 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	9/19/17	9/22/17 10:10	TG
Aroclor-1262 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	9/19/17	9/22/17 10:10	TG
Aroclor-1268 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	9/19/17	9/22/17 10:10	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	103	30-150		9/22/17 10:10
Decachlorobiphenyl [2]	92.5	30-150		9/22/17 10:10
Tetrachloro-m-xylene [1]	90.6	30-150		9/22/17 10:10
Tetrachloro-m-xylene [2]	91.2	30-150		9/22/17 10:10

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: 17I0463

Date Received: 9/12/2017

Field Sample #: WS-AOC-10-SO-13-1 Sampled: 9/12/2017 13:55

Sample ID: 17I0463-21

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	89.6		% Wt	1		SM 2540G	9/19/17	9/20/17 9:15	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: 17I0463

Date Received: 9/12/2017

Field Sample #: WS-AOC-10-SO-13-2 Sampled: 9/12/2017 13:56

Sample ID: 17I0463-22

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	9/19/17	9/21/17 18:37	TG
Aroclor-1221 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	9/19/17	9/21/17 18:37	TG
Aroclor-1232 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	9/19/17	9/21/17 18:37	TG
Aroclor-1242 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	9/19/17	9/21/17 18:37	TG
Aroclor-1248 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	9/19/17	9/21/17 18:37	TG
Aroclor-1254 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	9/19/17	9/21/17 18:37	TG
Aroclor-1260 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	9/19/17	9/21/17 18:37	TG
Aroclor-1262 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	9/19/17	9/21/17 18:37	TG
Aroclor-1268 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	9/19/17	9/21/17 18:37	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	96.3	30-150		9/21/17 18:37
Decachlorobiphenyl [2]	85.9	30-150		9/21/17 18:37
Tetrachloro-m-xylene [1]	83.2	30-150		9/21/17 18:37
Tetrachloro-m-xylene [2]	84.0	30-150		9/21/17 18:37

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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: 17I0463

Date Received: 9/12/2017

Field Sample #: WS-AOC-10-SO-13-2 Sampled: 9/12/2017 13:56

Sample ID: 17I0463-22

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	92.3		% Wt	1		SM 2540G	9/19/17	9/20/17 9:15	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: 17I0463

Date Received: 9/12/2017

Field Sample #: WS-AOC-10-SO-13-3 Sampled: 9/12/2017 13:57

Sample ID: 17I0463-23

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	9/19/17	9/21/17 18:55	TG
Aroclor-1221 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	9/19/17	9/21/17 18:55	TG
Aroclor-1232 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	9/19/17	9/21/17 18:55	TG
Aroclor-1242 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	9/19/17	9/21/17 18:55	TG
Aroclor-1248 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	9/19/17	9/21/17 18:55	TG
Aroclor-1254 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	9/19/17	9/21/17 18:55	TG
Aroclor-1260 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	9/19/17	9/21/17 18:55	TG
Aroclor-1262 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	9/19/17	9/21/17 18:55	TG
Aroclor-1268 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	9/19/17	9/21/17 18:55	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	106	30-150		9/21/17 18:55
Decachlorobiphenyl [2]	95.6	30-150		9/21/17 18:55
Tetrachloro-m-xylene [1]	91.1	30-150		9/21/17 18:55
Tetrachloro-m-xylene [2]	92.4	30-150		9/21/17 18:55

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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: 17I0463

Date Received: 9/12/2017

Field Sample #: WS-AOC-10-SO-13-3 Sampled: 9/12/2017 13:57

Sample ID: 17I0463-23

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	96.3		% Wt	1		SM 2540G	9/19/17	9/20/17 9:15	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: 17I0463

Date Received: 9/12/2017

Field Sample #: Trip Blank Sampled: 9/12/2017 00:00

Sample ID: 17I0463-24

Sample Matrix: Trip Blank Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.10	mg/Kg wet	1		SW-846 8260C	9/14/17	9/14/17 9:43	MFF
Acrylonitrile	ND	0.0060	mg/Kg wet	1		SW-846 8260C	9/14/17	9/14/17 9:43	MFF
Benzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	9/14/17	9/14/17 9:43	MFF
Bromobenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	9/14/17	9/14/17 9:43	MFF
Bromodichloromethane	ND	0.0020	mg/Kg wet	1		SW-846 8260C	9/14/17	9/14/17 9:43	MFF
Bromoform	ND	0.0020	mg/Kg wet	1		SW-846 8260C	9/14/17	9/14/17 9:43	MFF
Bromomethane	ND	0.010	mg/Kg wet	1		SW-846 8260C	9/14/17	9/14/17 9:43	MFF
2-Butanone (MEK)	ND	0.040	mg/Kg wet	1		SW-846 8260C	9/14/17	9/14/17 9:43	MFF
n-Butylbenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	9/14/17	9/14/17 9:43	MFF
sec-Butylbenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	9/14/17	9/14/17 9:43	MFF
tert-Butylbenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	9/14/17	9/14/17 9:43	MFF
Carbon Disulfide	ND	0.0060	mg/Kg wet	1		SW-846 8260C	9/14/17	9/14/17 9:43	MFF
Carbon Tetrachloride	ND	0.0020	mg/Kg wet	1		SW-846 8260C	9/14/17	9/14/17 9:43	MFF
Chlorobenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	9/14/17	9/14/17 9:43	MFF
Chlorodibromomethane	ND	0.0010	mg/Kg wet	1		SW-846 8260C	9/14/17	9/14/17 9:43	MFF
Chloroethane	ND	0.020	mg/Kg wet	1		SW-846 8260C	9/14/17	9/14/17 9:43	MFF
Chloroform	ND	0.0040	mg/Kg wet	1		SW-846 8260C	9/14/17	9/14/17 9:43	MFF
Chloromethane	ND	0.010	mg/Kg wet	1		SW-846 8260C	9/14/17	9/14/17 9:43	MFF
2-Chlorotoluene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	9/14/17	9/14/17 9:43	MFF
4-Chlorotoluene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	9/14/17	9/14/17 9:43	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0020	mg/Kg wet	1		SW-846 8260C	9/14/17	9/14/17 9:43	MFF
1,2-Dibromoethane (EDB)	ND	0.0010	mg/Kg wet	1		SW-846 8260C	9/14/17	9/14/17 9:43	MFF
Dibromomethane	ND	0.0020	mg/Kg wet	1		SW-846 8260C	9/14/17	9/14/17 9:43	MFF
1,2-Dichlorobenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	9/14/17	9/14/17 9:43	MFF
1,3-Dichlorobenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	9/14/17	9/14/17 9:43	MFF
1,4-Dichlorobenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	9/14/17	9/14/17 9:43	MFF
trans-1,4-Dichloro-2-butene	ND	0.0040	mg/Kg wet	1		SW-846 8260C	9/14/17	9/14/17 9:43	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.020	mg/Kg wet	1		SW-846 8260C	9/14/17	9/14/17 9:43	MFF
1,1-Dichloroethane	ND	0.0020	mg/Kg wet	1		SW-846 8260C	9/14/17	9/14/17 9:43	MFF
1,2-Dichloroethane	ND	0.0020	mg/Kg wet	1		SW-846 8260C	9/14/17	9/14/17 9:43	MFF
1,1-Dichloroethylene	ND	0.0040	mg/Kg wet	1		SW-846 8260C	9/14/17	9/14/17 9:43	MFF
cis-1,2-Dichloroethylene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	9/14/17	9/14/17 9:43	MFF
trans-1,2-Dichloroethylene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	9/14/17	9/14/17 9:43	MFF
1,2-Dichloropropane	ND	0.0020	mg/Kg wet	1		SW-846 8260C	9/14/17	9/14/17 9:43	MFF
1,3-Dichloropropane	ND	0.0010	mg/Kg wet	1		SW-846 8260C	9/14/17	9/14/17 9:43	MFF
2,2-Dichloropropane	ND	0.0020	mg/Kg wet	1		SW-846 8260C	9/14/17	9/14/17 9:43	MFF
1,1-Dichloropropene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	9/14/17	9/14/17 9:43	MFF
cis-1,3-Dichloropropene	ND	0.0010	mg/Kg wet	1		SW-846 8260C	9/14/17	9/14/17 9:43	MFF
trans-1,3-Dichloropropene	ND	0.0010	mg/Kg wet	1		SW-846 8260C	9/14/17	9/14/17 9:43	MFF
Ethylbenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	9/14/17	9/14/17 9:43	MFF
Hexachlorobutadiene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	9/14/17	9/14/17 9:43	MFF
2-Hexanone (MBK)	ND	0.020	mg/Kg wet	1		SW-846 8260C	9/14/17	9/14/17 9:43	MFF
Isopropylbenzene (Cumene)	ND	0.0020	mg/Kg wet	1		SW-846 8260C	9/14/17	9/14/17 9:43	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0020	mg/Kg wet	1		SW-846 8260C	9/14/17	9/14/17 9:43	MFF

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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: 17I0463

Date Received: 9/12/2017

Field Sample #: Trip Blank Sampled: 9/12/2017 00:00

Sample ID: 17I0463-24

Sample Matrix: Trip Blank Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Methyl tert-Butyl Ether (MTBE)	ND	0.0040	mg/Kg wet	1		SW-846 8260C	9/14/17	9/14/17 9:43	MFF
Methylene Chloride	ND	0.020	mg/Kg wet	1		SW-846 8260C	9/14/17	9/14/17 9:43	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.020	mg/Kg wet	1		SW-846 8260C	9/14/17	9/14/17 9:43	MFF
Naphthalene	ND	0.0040	mg/Kg wet	1		SW-846 8260C	9/14/17	9/14/17 9:43	MFF
n-Propylbenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	9/14/17	9/14/17 9:43	MFF
Styrene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	9/14/17	9/14/17 9:43	MFF
1,1,1,2-Tetrachloroethane	ND	0.0020	mg/Kg wet	1		SW-846 8260C	9/14/17	9/14/17 9:43	MFF
1,1,2,2-Tetrachloroethane	ND	0.0040	mg/Kg wet	1		SW-846 8260C	9/14/17	9/14/17 9:43	MFF
Tetrachloroethylene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	9/14/17	9/14/17 9:43	MFF
Tetrahydrofuran	ND	0.010	mg/Kg wet	1	V-16	SW-846 8260C	9/14/17	9/14/17 9:43	MFF
Toluene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	9/14/17	9/14/17 9:43	MFF
1,2,3-Trichlorobenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	9/14/17	9/14/17 9:43	MFF
1,2,4-Trichlorobenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	9/14/17	9/14/17 9:43	MFF
1,1,1-Trichloroethane	ND	0.0020	mg/Kg wet	1		SW-846 8260C	9/14/17	9/14/17 9:43	MFF
1,1,2-Trichloroethane	ND	0.0020	mg/Kg wet	1		SW-846 8260C	9/14/17	9/14/17 9:43	MFF
Trichloroethylene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	9/14/17	9/14/17 9:43	MFF
Trichlorofluoromethane (Freon 11)	ND	0.010	mg/Kg wet	1		SW-846 8260C	9/14/17	9/14/17 9:43	MFF
1,2,3-Trichloropropane	ND	0.0020	mg/Kg wet	1		SW-846 8260C	9/14/17	9/14/17 9:43	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.010	mg/Kg wet	1		SW-846 8260C	9/14/17	9/14/17 9:43	MFF
1,2,4-Trimethylbenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	9/14/17	9/14/17 9:43	MFF
1,3,5-Trimethylbenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	9/14/17	9/14/17 9:43	MFF
Vinyl Chloride	ND	0.010	mg/Kg wet	1		SW-846 8260C	9/14/17	9/14/17 9:43	MFF
m+p Xylene	ND	0.0040	mg/Kg wet	1		SW-846 8260C	9/14/17	9/14/17 9:43	MFF
o-Xylene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	9/14/17	9/14/17 9:43	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	105	70-130		9/14/17 9:43
Toluene-d8	104	70-130		9/14/17 9:43
4-Bromofluorobenzene	101	70-130		9/14/17 9:43

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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
17I0463-12 [WS-AOC-10-SO-7-1]	B186524	30.1	1.00	09/19/17

Prep Method: % Solids-SM 2540G

Lab Number [Field ID]	Batch	Date
17I0463-01 [WS-AOC-10-SO-31-2]	B186542	09/19/17
17I0463-02 [WS-AOC-10-SO-31-3]	B186542	09/19/17
17I0463-03 [WS-AOC-10-SO-30-1]	B186542	09/19/17
17I0463-04 [WS-AOC-10-SO-30-2]	B186542	09/19/17
17I0463-05 [WS-AOC-10-SO-30-3]	B186542	09/19/17
17I0463-06 [WS-AOC-10-SO-25-1]	B186542	09/19/17
17I0463-07 [WS-AOC-10-SO-25-2]	B186542	09/19/17
17I0463-09 [WS-AOC-10-SO-8-1]	B186542	09/19/17
17I0463-10 [WS-AOC-10-SO-8-2]	B186542	09/19/17
17I0463-11 [WS-AOC-10-SO-8-3]	B186542	09/19/17
17I0463-12 [WS-AOC-10-SO-7-1]	B186542	09/19/17
17I0463-13 [WS-AOC-10-SO-7-2]	B186542	09/19/17
17I0463-14 [WS-AOC-10-SO-7-3]	B186542	09/19/17
17I0463-15 [WS-AOC-10-SO-11-1]	B186542	09/19/17
17I0463-16 [WS-AOC-10-SO-11-2]	B186542	09/19/17
17I0463-17 [WS-AOC-10-SO-11-3]	B186542	09/19/17
17I0463-18 [WS-AOC-10-SO-10-1]	B186542	09/19/17
17I0463-19 [WS-AOC-10-SO-10-2]	B186542	09/19/17
17I0463-20 [WS-AOC-10-SO-10-3]	B186542	09/19/17
17I0463-21 [WS-AOC-10-SO-13-1]	B186542	09/19/17
17I0463-22 [WS-AOC-10-SO-13-2]	B186542	09/19/17
17I0463-23 [WS-AOC-10-SO-13-3]	B186542	09/19/17

Prep Method: SW-846 3050B-SW-846 6010C-D

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17I0463-03 [WS-AOC-10-SO-30-1]	B186445	1.05	50.0	09/18/17
17I0463-09 [WS-AOC-10-SO-8-1]	B186445	1.05	50.0	09/18/17
17I0463-18 [WS-AOC-10-SO-10-1]	B186445	1.05	50.0	09/18/17

Prep Method: SW-846 7471-SW-846 7471B

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17I0463-03 [WS-AOC-10-SO-30-1]	B186443	0.593	50.0	09/18/17
17I0463-09 [WS-AOC-10-SO-8-1]	B186443	0.619	50.0	09/18/17
17I0463-18 [WS-AOC-10-SO-10-1]	B186443	0.599	50.0	09/18/17

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17I0463-22 [WS-AOC-10-SO-13-2]	B186583	10.1	10.0	09/19/17
17I0463-23 [WS-AOC-10-SO-13-3]	B186583	10.1	10.0	09/19/17

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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
17I0463-01 [WS-AOC-10-SO-31-2]	B186608	10.0	10.0	09/19/17
17I0463-02 [WS-AOC-10-SO-31-3]	B186608	10.0	10.0	09/19/17
17I0463-03 [WS-AOC-10-SO-30-1]	B186608	10.0	10.0	09/19/17
17I0463-04 [WS-AOC-10-SO-30-2]	B186608	10.0	10.0	09/19/17
17I0463-05 [WS-AOC-10-SO-30-3]	B186608	10.0	10.0	09/19/17
17I0463-06 [WS-AOC-10-SO-25-1]	B186608	10.0	10.0	09/19/17
17I0463-07 [WS-AOC-10-SO-25-2]	B186608	10.0	10.0	09/19/17
17I0463-09 [WS-AOC-10-SO-8-1]	B186608	10.0	10.0	09/19/17
17I0463-10 [WS-AOC-10-SO-8-2]	B186608	10.0	10.0	09/19/17
17I0463-11 [WS-AOC-10-SO-8-3]	B186608	10.0	10.0	09/19/17
17I0463-12 [WS-AOC-10-SO-7-1]	B186608	10.0	10.0	09/19/17
17I0463-13 [WS-AOC-10-SO-7-2]	B186608	10.0	10.0	09/19/17
17I0463-14 [WS-AOC-10-SO-7-3]	B186608	10.0	10.0	09/19/17
17I0463-15 [WS-AOC-10-SO-11-1]	B186608	10.0	10.0	09/19/17
17I0463-16 [WS-AOC-10-SO-11-2]	B186608	10.0	10.0	09/19/17
17I0463-17 [WS-AOC-10-SO-11-3]	B186608	10.0	10.0	09/19/17
17I0463-18 [WS-AOC-10-SO-10-1]	B186608	10.0	10.0	09/19/17
17I0463-19 [WS-AOC-10-SO-10-2]	B186608	10.0	10.0	09/19/17
17I0463-20 [WS-AOC-10-SO-10-3]	B186608	10.0	10.0	09/19/17
17I0463-21 [WS-AOC-10-SO-13-1]	B186608	10.0	10.0	09/19/17

Prep Method: SW-846 5035-SW-846 8260C

Lab Number [Field ID]	Batch	Sample Amount(g)	Methanol Volume(mL)	Methanol Aliquot(mL)	Final Volume(mL)	Date
17I0463-02 [WS-AOC-10-SO-31-3]	B186119	6.36	7.54	1	50	09/13/17
17I0463-05 [WS-AOC-10-SO-30-3]	B186119	6.51	7.79	1	50	09/13/17

Prep Method: SW-846 5035-SW-846 8260C

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17I0463-11 [WS-AOC-10-SO-8-3]	B186197	5.91	10.0	09/14/17
17I0463-24 [Trip Blank]	B186197	5.00	10.0	09/14/17

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17I0463-01 [WS-AOC-10-SO-31-2]	B186451	30.1	1.00	09/18/17
17I0463-15 [WS-AOC-10-SO-11-1]	B186451	30.0	1.00	09/18/17

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B186119 - SW-846 5035										
Blank (B186119-BLK1)				Prepared: 09/13/17 Analyzed: 09/18/17						
Acetone	ND	2.5	mg/Kg wet							
Acrylonitrile	ND	0.25	mg/Kg wet							
Benzene	ND	0.050	mg/Kg wet							
Bromobenzene	ND	0.050	mg/Kg wet							
Bromodichloromethane	ND	0.050	mg/Kg wet							
Bromoform	ND	0.050	mg/Kg wet							
Bromomethane	ND	0.10	mg/Kg wet							
2-Butanone (MEK)	ND	1.0	mg/Kg wet							
n-Butylbenzene	ND	0.050	mg/Kg wet							
sec-Butylbenzene	ND	0.050	mg/Kg wet							
tert-Butylbenzene	ND	0.050	mg/Kg wet							
Carbon Disulfide	ND	0.15	mg/Kg wet							
Carbon Tetrachloride	ND	0.050	mg/Kg wet							
Chlorobenzene	ND	0.050	mg/Kg wet							
Chlorodibromomethane	ND	0.025	mg/Kg wet							
Chloroethane	ND	0.10	mg/Kg wet							
Chloroform	ND	0.10	mg/Kg wet							
Chloromethane	ND	0.10	mg/Kg wet							
2-Chlorotoluene	ND	0.050	mg/Kg wet							
4-Chlorotoluene	ND	0.050	mg/Kg wet							
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.25	mg/Kg wet							
1,2-Dibromoethane (EDB)	ND	0.025	mg/Kg wet							
Dibromomethane	ND	0.050	mg/Kg wet							
1,2-Dichlorobenzene	ND	0.050	mg/Kg wet							
1,3-Dichlorobenzene	ND	0.050	mg/Kg wet							
1,4-Dichlorobenzene	ND	0.050	mg/Kg wet							
trans-1,4-Dichloro-2-butene	ND	0.10	mg/Kg wet							
Dichlorodifluoromethane (Freon 12)	ND	0.10	mg/Kg wet							
1,1-Dichloroethane	ND	0.050	mg/Kg wet							
1,2-Dichloroethane	ND	0.050	mg/Kg wet							
1,1-Dichloroethylene	ND	0.050	mg/Kg wet							
cis-1,2-Dichloroethylene	ND	0.050	mg/Kg wet							
trans-1,2-Dichloroethylene	ND	0.050	mg/Kg wet							
1,2-Dichloropropane	ND	0.050	mg/Kg wet							
1,3-Dichloropropane	ND	0.025	mg/Kg wet							
2,2-Dichloropropane	ND	0.050	mg/Kg wet							
1,1-Dichloropropene	ND	0.10	mg/Kg wet							
cis-1,3-Dichloropropene	ND	0.025	mg/Kg wet							
trans-1,3-Dichloropropene	ND	0.025	mg/Kg wet							
Ethylbenzene	ND	0.050	mg/Kg wet							
Hexachlorobutadiene	ND	0.050	mg/Kg wet							
2-Hexanone (MBK)	ND	0.50	mg/Kg wet							
Isopropylbenzene (Cumene)	ND	0.050	mg/Kg wet							
p-Isopropyltoluene (p-Cymene)	ND	0.050	mg/Kg wet							
Methyl tert-Butyl Ether (MTBE)	ND	0.050	mg/Kg wet							
Methylene Chloride	ND	0.25	mg/Kg wet							
4-Methyl-2-pentanone (MIBK)	ND	0.50	mg/Kg wet							
Naphthalene	ND	0.10	mg/Kg wet							
n-Propylbenzene	ND	0.050	mg/Kg wet							
Styrene	ND	0.050	mg/Kg wet							
1,1,1,2-Tetrachloroethane	ND	0.050	mg/Kg wet							
1,1,2,2-Tetrachloroethane	ND	0.025	mg/Kg wet							

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B186119 - SW-846 5035										
Blank (B186119-BLK1)				Prepared: 09/13/17 Analyzed: 09/18/17						
Tetrachloroethylene	ND	0.050	mg/Kg wet							
Tetrahydrofuran	ND	0.50	mg/Kg wet							
Toluene	ND	0.050	mg/Kg wet							
1,2,3-Trichlorobenzene	ND	0.25	mg/Kg wet							
1,2,4-Trichlorobenzene	ND	0.050	mg/Kg wet							
1,1,1-Trichloroethane	ND	0.050	mg/Kg wet							
1,1,2-Trichloroethane	ND	0.050	mg/Kg wet							
Trichloroethylene	ND	0.050	mg/Kg wet							
Trichlorofluoromethane (Freon 11)	ND	0.10	mg/Kg wet							
1,2,3-Trichloropropane	ND	0.10	mg/Kg wet							
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.050	mg/Kg wet							
1,2,4-Trimethylbenzene	ND	0.050	mg/Kg wet							
1,3,5-Trimethylbenzene	ND	0.050	mg/Kg wet							
Vinyl Chloride	ND	0.10	mg/Kg wet							
m+p Xylene	ND	0.10	mg/Kg wet							
o-Xylene	ND	0.050	mg/Kg wet							
Surrogate: 1,2-Dichloroethane-d4	*0.0230*		mg/Kg wet	0.0283		81.2	70-130			
Surrogate: Toluene-d8	*0.0240*		mg/Kg wet	0.0283		84.8	70-130			
Surrogate: 4-Bromofluorobenzene	*0.0252*		mg/Kg wet	0.0283		88.8	70-130			
LCS (B186119-BS1)				Prepared: 09/13/17 Analyzed: 09/18/17						
Acetone	0.0948	0.057	mg/Kg wet	0.113		83.7	70-130			
Acrylonitrile	0.0103	0.0057	mg/Kg wet	0.0113		90.6	70-130			
Benzene	0.00989	0.0011	mg/Kg wet	0.0113		87.3	70-130			
Bromobenzene	0.0108	0.0011	mg/Kg wet	0.0113		95.3	70-130			
Bromodichloromethane	0.0112	0.0011	mg/Kg wet	0.0113		98.5	70-130			
Bromoform	0.0118	0.0011	mg/Kg wet	0.0113		104	70-130			
Bromomethane	0.0125	0.0023	mg/Kg wet	0.0113		111	70-130			
2-Butanone (MEK)	0.103	0.023	mg/Kg wet	0.113		90.5	70-130			
n-Butylbenzene	0.0115	0.0011	mg/Kg wet	0.0113		102	70-130			
sec-Butylbenzene	0.0116	0.0011	mg/Kg wet	0.0113		102	70-130			
tert-Butylbenzene	0.0112	0.0011	mg/Kg wet	0.0113		98.8	70-130			
Carbon Disulfide	0.0980	0.0034	mg/Kg wet	0.113		86.4	70-130			
Carbon Tetrachloride	0.0118	0.0011	mg/Kg wet	0.0113		104	70-130			
Chlorobenzene	0.0114	0.0011	mg/Kg wet	0.0113		100	70-130			
Chlorodibromomethane	0.0118	0.00057	mg/Kg wet	0.0113		104	70-130			
Chloroethane	0.0103	0.0023	mg/Kg wet	0.0113		90.6	70-130			
Chloroform	0.0103	0.0023	mg/Kg wet	0.0113		91.2	70-130			
Chloromethane	0.00887	0.0023	mg/Kg wet	0.0113		78.3	70-130			
2-Chlorotoluene	0.0116	0.0011	mg/Kg wet	0.0113		102	70-130			
4-Chlorotoluene	0.0112	0.0011	mg/Kg wet	0.0113		98.7	70-130			
1,2-Dibromo-3-chloropropane (DBCP)	0.0104	0.0057	mg/Kg wet	0.0113		91.5	70-130			
1,2-Dibromoethane (EDB)	0.0110	0.00057	mg/Kg wet	0.0113		97.4	70-130			
Dibromomethane	0.0110	0.0011	mg/Kg wet	0.0113		97.2	70-130			
1,2-Dichlorobenzene	0.0115	0.0011	mg/Kg wet	0.0113		101	70-130			
1,3-Dichlorobenzene	0.0112	0.0011	mg/Kg wet	0.0113		98.8	70-130			
1,4-Dichlorobenzene	0.0113	0.0011	mg/Kg wet	0.0113		99.8	70-130			
trans-1,4-Dichloro-2-butene	0.0124	0.0023	mg/Kg wet	0.0113		109	70-130			
Dichlorodifluoromethane (Freon 12)	0.0122	0.0023	mg/Kg wet	0.0113		107	70-130			
1,1-Dichloroethane	0.0101	0.0011	mg/Kg wet	0.0113		89.3	70-130			
1,2-Dichloroethane	0.0115	0.0011	mg/Kg wet	0.0113		102	70-130			
1,1-Dichloroethylene	0.00943	0.0011	mg/Kg wet	0.0113		83.2	70-130			

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B186119 - SW-846 5035										
LCS (B186119-BS1)				Prepared: 09/13/17 Analyzed: 09/18/17						
cis-1,2-Dichloroethylene	0.0102	0.0011	mg/Kg wet	0.0113		89.6	70-130			
trans-1,2-Dichloroethylene	0.00971	0.0011	mg/Kg wet	0.0113		85.7	70-130			
1,2-Dichloropropane	0.0106	0.0011	mg/Kg wet	0.0113		93.9	70-130			
1,3-Dichloropropane	0.0108	0.00057	mg/Kg wet	0.0113		95.5	70-130			
2,2-Dichloropropane	0.0115	0.0011	mg/Kg wet	0.0113		101	70-130			
1,1-Dichloropropene	0.0104	0.0023	mg/Kg wet	0.0113		91.6	70-130			
cis-1,3-Dichloropropene	0.0110	0.00057	mg/Kg wet	0.0113		97.3	70-130			
trans-1,3-Dichloropropene	0.0114	0.00057	mg/Kg wet	0.0113		101	70-130			
Ethylbenzene	0.0113	0.0011	mg/Kg wet	0.0113		100	70-130			
Hexachlorobutadiene	0.0117	0.0011	mg/Kg wet	0.0113		103	70-130			
2-Hexanone (MBK)	0.114	0.011	mg/Kg wet	0.113		101	70-130			
Isopropylbenzene (Cumene)	0.0117	0.0011	mg/Kg wet	0.0113		103	70-130			
p-Isopropyltoluene (p-Cymene)	0.0120	0.0011	mg/Kg wet	0.0113		106	70-130			
Methyl tert-Butyl Ether (MTBE)	0.0104	0.0011	mg/Kg wet	0.0113		91.4	70-130			
Methylene Chloride	0.0120	0.0057	mg/Kg wet	0.0113		106	70-130			
4-Methyl-2-pentanone (MIBK)	0.115	0.011	mg/Kg wet	0.113		101	70-130			
Naphthalene	0.0121	0.0023	mg/Kg wet	0.0113		107	70-130			
n-Propylbenzene	0.0115	0.0011	mg/Kg wet	0.0113		101	70-130			
Styrene	0.0116	0.0011	mg/Kg wet	0.0113		103	70-130			
1,1,1,2-Tetrachloroethane	0.0121	0.0011	mg/Kg wet	0.0113		107	70-130			
1,1,2,2-Tetrachloroethane	0.0115	0.00057	mg/Kg wet	0.0113		101	70-130			
Tetrachloroethylene	0.0117	0.0011	mg/Kg wet	0.0113		103	70-130			
Tetrahydrofuran	0.00941	0.011	mg/Kg wet	0.0113		83.0	70-130			
Toluene	0.0113	0.0011	mg/Kg wet	0.0113		99.8	70-130			
1,2,3-Trichlorobenzene	0.0120	0.0057	mg/Kg wet	0.0113		106	70-130			
1,2,4-Trichlorobenzene	0.0119	0.0011	mg/Kg wet	0.0113		105	70-130			
1,1,1-Trichloroethane	0.0108	0.0011	mg/Kg wet	0.0113		95.5	70-130			
1,1,2-Trichloroethane	0.0113	0.0011	mg/Kg wet	0.0113		99.4	70-130			
Trichloroethylene	0.0109	0.0011	mg/Kg wet	0.0113		95.8	70-130			
Trichlorofluoromethane (Freon 11)	0.0111	0.0023	mg/Kg wet	0.0113		97.8	70-130			
1,2,3-Trichloropropane	0.00971	0.0023	mg/Kg wet	0.0113		85.7	70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.0103	0.0011	mg/Kg wet	0.0113		90.5	70-130			
1,2,4-Trimethylbenzene	0.0114	0.0011	mg/Kg wet	0.0113		101	70-130			
1,3,5-Trimethylbenzene	0.0118	0.0011	mg/Kg wet	0.0113		104	70-130			
Vinyl Chloride	0.00954	0.0023	mg/Kg wet	0.0113		84.2	70-130			
m+p Xylene	0.0227	0.0023	mg/Kg wet	0.0227		100	70-130			
o-Xylene	0.0115	0.0011	mg/Kg wet	0.0113		101	70-130			
Surrogate: 1,2-Dichloroethane-d4	*0.0267*		mg/Kg wet	0.0283		94.4	70-130			
Surrogate: Toluene-d8	*0.0279*		mg/Kg wet	0.0283		98.4	70-130			
Surrogate: 4-Bromofluorobenzene	*0.0283*		mg/Kg wet	0.0283		100	70-130			
Batch B186197 - SW-846 5035										
Blank (B186197-BLK1)				Prepared & Analyzed: 09/14/17						
Acetone	ND	0.10	mg/Kg wet							
Acrylonitrile	ND	0.0060	mg/Kg wet							
Benzene	ND	0.0020	mg/Kg wet							
Bromobenzene	ND	0.0020	mg/Kg wet							
Bromodichloromethane	ND	0.0020	mg/Kg wet							
Bromoform	ND	0.0020	mg/Kg wet							
Bromomethane	ND	0.010	mg/Kg wet							
2-Butanone (MEK)	ND	0.040	mg/Kg wet							

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B186197 - SW-846 5035										
Blank (B186197-BLK1)				Prepared & Analyzed: 09/14/17						
n-Butylbenzene	ND	0.0020	mg/Kg wet							
sec-Butylbenzene	ND	0.0020	mg/Kg wet							
tert-Butylbenzene	ND	0.0020	mg/Kg wet							
Carbon Disulfide	ND	0.0060	mg/Kg wet							
Carbon Tetrachloride	ND	0.0020	mg/Kg wet							
Chlorobenzene	ND	0.0020	mg/Kg wet							
Chlorodibromomethane	ND	0.0010	mg/Kg wet							
Chloroethane	ND	0.020	mg/Kg wet							
Chloroform	ND	0.0040	mg/Kg wet							
Chloromethane	ND	0.010	mg/Kg wet							
2-Chlorotoluene	ND	0.0020	mg/Kg wet							
4-Chlorotoluene	ND	0.0020	mg/Kg wet							
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0020	mg/Kg wet							
1,2-Dibromoethane (EDB)	ND	0.0010	mg/Kg wet							
Dibromomethane	ND	0.0020	mg/Kg wet							
1,2-Dichlorobenzene	ND	0.0020	mg/Kg wet							
1,3-Dichlorobenzene	ND	0.0020	mg/Kg wet							
1,4-Dichlorobenzene	ND	0.0020	mg/Kg wet							
trans-1,4-Dichloro-2-butene	ND	0.0040	mg/Kg wet							
Dichlorodifluoromethane (Freon 12)	ND	0.020	mg/Kg wet							
1,1-Dichloroethane	ND	0.0020	mg/Kg wet							
1,2-Dichloroethane	ND	0.0020	mg/Kg wet							
1,1-Dichloroethylene	ND	0.0040	mg/Kg wet							
cis-1,2-Dichloroethylene	ND	0.0020	mg/Kg wet							
trans-1,2-Dichloroethylene	ND	0.0020	mg/Kg wet							
1,2-Dichloropropane	ND	0.0020	mg/Kg wet							
1,3-Dichloropropane	ND	0.0010	mg/Kg wet							
2,2-Dichloropropane	ND	0.0020	mg/Kg wet							
1,1-Dichloropropene	ND	0.0020	mg/Kg wet							
cis-1,3-Dichloropropene	ND	0.0010	mg/Kg wet							
trans-1,3-Dichloropropene	ND	0.0010	mg/Kg wet							
Ethylbenzene	ND	0.0020	mg/Kg wet							
Hexachlorobutadiene	ND	0.0020	mg/Kg wet							
2-Hexanone (MBK)	ND	0.020	mg/Kg wet							
Isopropylbenzene (Cumene)	ND	0.0020	mg/Kg wet							
p-Isopropyltoluene (p-Cymene)	ND	0.0020	mg/Kg wet							
Methyl tert-Butyl Ether (MTBE)	ND	0.0040	mg/Kg wet							
Methylene Chloride	ND	0.020	mg/Kg wet							
4-Methyl-2-pentanone (MIBK)	ND	0.020	mg/Kg wet							
Naphthalene	ND	0.0040	mg/Kg wet							
n-Propylbenzene	ND	0.0020	mg/Kg wet							
Styrene	ND	0.0020	mg/Kg wet							
1,1,1,2-Tetrachloroethane	ND	0.0020	mg/Kg wet							
1,1,2,2-Tetrachloroethane	ND	0.0040	mg/Kg wet							
Tetrachloroethylene	ND	0.0020	mg/Kg wet							
Tetrahydrofuran	ND	0.010	mg/Kg wet							V-16
Toluene	ND	0.0020	mg/Kg wet							
1,2,3-Trichlorobenzene	ND	0.0020	mg/Kg wet							
1,2,4-Trichlorobenzene	ND	0.0020	mg/Kg wet							
1,1,1-Trichloroethane	ND	0.0020	mg/Kg wet							
1,1,2-Trichloroethane	ND	0.0020	mg/Kg wet							
Trichloroethylene	ND	0.0020	mg/Kg wet							

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B186197 - SW-846 5035										
Blank (B186197-BLK1)				Prepared & Analyzed: 09/14/17						
Trichlorofluoromethane (Freon 11)	ND	0.010	mg/Kg wet							
1,2,3-Trichloropropane	ND	0.0020	mg/Kg wet							
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.010	mg/Kg wet							
1,2,4-Trimethylbenzene	ND	0.0020	mg/Kg wet							
1,3,5-Trimethylbenzene	ND	0.0020	mg/Kg wet							
Vinyl Chloride	ND	0.010	mg/Kg wet							
m+p Xylene	ND	0.0040	mg/Kg wet							
o-Xylene	ND	0.0020	mg/Kg wet							
Surrogate: 1,2-Dichloroethane-d4	*0.0536*		mg/Kg wet	0.0500		107	70-130			
Surrogate: Toluene-d8	*0.0526*		mg/Kg wet	0.0500		105	70-130			
Surrogate: 4-Bromofluorobenzene	*0.0517*		mg/Kg wet	0.0500		103	70-130			
LCS (B186197-BS1)				Prepared & Analyzed: 09/14/17						
Acetone	0.183	0.10	mg/Kg wet	0.200		91.5	70-130			
Acrylonitrile	0.0220	0.0060	mg/Kg wet	0.0200		110	70-130			
Benzene	0.0184	0.0020	mg/Kg wet	0.0200		91.8	70-130			
Bromobenzene	0.0170	0.0020	mg/Kg wet	0.0200		85.2	70-130			
Bromodichloromethane	0.0189	0.0020	mg/Kg wet	0.0200		94.6	70-130			
Bromoform	0.0169	0.0020	mg/Kg wet	0.0200		84.3	70-130			
Bromomethane	0.0212	0.010	mg/Kg wet	0.0200		106	70-130			
2-Butanone (MEK)	0.209	0.040	mg/Kg wet	0.200		104	70-130			
n-Butylbenzene	0.0181	0.0020	mg/Kg wet	0.0200		90.4	70-130			
sec-Butylbenzene	0.0185	0.0020	mg/Kg wet	0.0200		92.7	70-130			
tert-Butylbenzene	0.0201	0.0020	mg/Kg wet	0.0200		101	70-130			
Carbon Disulfide	0.240	0.0060	mg/Kg wet	0.200		120	70-130			
Carbon Tetrachloride	0.0200	0.0020	mg/Kg wet	0.0200		100	70-130			
Chlorobenzene	0.0177	0.0020	mg/Kg wet	0.0200		88.7	70-130			
Chlorodibromomethane	0.0214	0.0010	mg/Kg wet	0.0200		107	70-130			
Chloroethane	0.0175	0.020	mg/Kg wet	0.0200		87.4	70-130			
Chloroform	0.0198	0.0040	mg/Kg wet	0.0200		99.2	70-130			
Chloromethane	0.0214	0.010	mg/Kg wet	0.0200		107	70-130			
2-Chlorotoluene	0.0183	0.0020	mg/Kg wet	0.0200		91.5	70-130			
4-Chlorotoluene	0.0183	0.0020	mg/Kg wet	0.0200		91.4	70-130			
1,2-Dibromo-3-chloropropane (DBCP)	0.0199	0.0020	mg/Kg wet	0.0200		99.5	70-130			
1,2-Dibromoethane (EDB)	0.0208	0.0010	mg/Kg wet	0.0200		104	70-130			
Dibromomethane	0.0197	0.0020	mg/Kg wet	0.0200		98.6	70-130			
1,2-Dichlorobenzene	0.0189	0.0020	mg/Kg wet	0.0200		94.3	70-130			
1,3-Dichlorobenzene	0.0189	0.0020	mg/Kg wet	0.0200		94.4	70-130			
1,4-Dichlorobenzene	0.0177	0.0020	mg/Kg wet	0.0200		88.3	70-130			
trans-1,4-Dichloro-2-butene	0.0182	0.0040	mg/Kg wet	0.0200		91.0	70-130			
Dichlorodifluoromethane (Freon 12)	0.0241	0.020	mg/Kg wet	0.0200		121	70-130			
1,1-Dichloroethane	0.0205	0.0020	mg/Kg wet	0.0200		103	70-130			
1,2-Dichloroethane	0.0237	0.0020	mg/Kg wet	0.0200		118	70-130			
1,1-Dichloroethylene	0.0211	0.0040	mg/Kg wet	0.0200		106	70-130			
cis-1,2-Dichloroethylene	0.0204	0.0020	mg/Kg wet	0.0200		102	70-130			
trans-1,2-Dichloroethylene	0.0252	0.0020	mg/Kg wet	0.0200		126	70-130			V-20
1,2-Dichloropropane	0.0211	0.0020	mg/Kg wet	0.0200		105	70-130			
1,3-Dichloropropane	0.0197	0.0010	mg/Kg wet	0.0200		98.7	70-130			
2,2-Dichloropropane	0.0195	0.0020	mg/Kg wet	0.0200		97.5	70-130			
1,1-Dichloropropene	0.0196	0.0020	mg/Kg wet	0.0200		98.0	70-130			
cis-1,3-Dichloropropene	0.0194	0.0010	mg/Kg wet	0.0200		96.8	70-130			
trans-1,3-Dichloropropene	0.0211	0.0010	mg/Kg wet	0.0200		105	70-130			

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes
Batch B186197 - SW-846 5035											
LCS (B186197-BS1)				Prepared & Analyzed: 09/14/17							
Ethylbenzene	0.0184	0.0020	mg/Kg wet	0.0200		91.9		70-130			
Hexachlorobutadiene	0.0221	0.0020	mg/Kg wet	0.0200		111		70-130			
2-Hexanone (MBK)	0.211	0.020	mg/Kg wet	0.200		106		70-130			
Isopropylbenzene (Cumene)	0.0191	0.0020	mg/Kg wet	0.0200		95.3		70-130			
p-Isopropyltoluene (p-Cymene)	0.0202	0.0020	mg/Kg wet	0.0200		101		70-130			
Methyl tert-Butyl Ether (MTBE)	0.0199	0.0040	mg/Kg wet	0.0200		99.3		70-130			
Methylene Chloride	0.0220	0.020	mg/Kg wet	0.0200		110		70-130			
4-Methyl-2-pentanone (MIBK)	0.219	0.020	mg/Kg wet	0.200		110		70-130			
Naphthalene	0.0160	0.0040	mg/Kg wet	0.0200		80.1		70-130			
n-Propylbenzene	0.0180	0.0020	mg/Kg wet	0.0200		90.2		70-130			
Styrene	0.0181	0.0020	mg/Kg wet	0.0200		90.7		70-130			
1,1,1,2-Tetrachloroethane	0.0194	0.0020	mg/Kg wet	0.0200		96.8		70-130			
1,1,2,2-Tetrachloroethane	0.0160	0.0040	mg/Kg wet	0.0200		80.1		70-130			
Tetrachloroethylene	0.0215	0.0020	mg/Kg wet	0.0200		107		70-130			
Tetrahydrofuran	0.0192	0.010	mg/Kg wet	0.0200		96.1		70-130			V-16
Toluene	0.0201	0.0020	mg/Kg wet	0.0200		101		70-130			
1,2,3-Trichlorobenzene	0.0183	0.0020	mg/Kg wet	0.0200		91.5		70-130			
1,2,4-Trichlorobenzene	0.0185	0.0020	mg/Kg wet	0.0200		92.3		70-130			
1,1,1-Trichloroethane	0.0218	0.0020	mg/Kg wet	0.0200		109		70-130			
1,1,2-Trichloroethane	0.0199	0.0020	mg/Kg wet	0.0200		99.3		70-130			
Trichloroethylene	0.0205	0.0020	mg/Kg wet	0.0200		103		70-130			
Trichlorofluoromethane (Freon 11)	0.0273	0.010	mg/Kg wet	0.0200		**136**	*	70-130			L-01, V-20
1,2,3-Trichloropropane	0.0205	0.0020	mg/Kg wet	0.0200		102		70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.0248	0.010	mg/Kg wet	0.0200		124		70-130			
1,2,4-Trimethylbenzene	0.0205	0.0020	mg/Kg wet	0.0200		102		70-130			
1,3,5-Trimethylbenzene	0.0191	0.0020	mg/Kg wet	0.0200		95.5		70-130			
Vinyl Chloride	0.0192	0.010	mg/Kg wet	0.0200		95.9		70-130			
m+p Xylene	0.0373	0.0040	mg/Kg wet	0.0400		93.4		70-130			
o-Xylene	0.0187	0.0020	mg/Kg wet	0.0200		93.5		70-130			
Surrogate: 1,2-Dichloroethane-d4	*0.0532*		mg/Kg wet	0.0500		106		70-130			
Surrogate: Toluene-d8	*0.0530*		mg/Kg wet	0.0500		106		70-130			
Surrogate: 4-Bromofluorobenzene	*0.0524*		mg/Kg wet	0.0500		105		70-130			

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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 B186451 - SW-846 3546										
Blank (B186451-BLK1)				Prepared: 09/18/17 Analyzed: 09/19/17						
Acenaphthene	ND	0.17	mg/Kg wet							
Acenaphthylene	ND	0.17	mg/Kg wet							
Aniline	ND	0.34	mg/Kg wet							L-04
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							
Bis(2-chloroethoxy)methane	ND	0.34	mg/Kg wet							
Bis(2-chloroethyl)ether	ND	0.34	mg/Kg wet							
Bis(2-chloroisopropyl)ether	ND	0.34	mg/Kg wet							
Bis(2-Ethylhexyl)phthalate	ND	0.34	mg/Kg wet							
4-Bromophenylphenylether	ND	0.34	mg/Kg wet							
Butylbenzylphthalate	ND	0.34	mg/Kg wet							
Carbazole	ND	0.17	mg/Kg wet							
4-Chloroaniline	ND	0.66	mg/Kg wet							L-04
4-Chloro-3-methylphenol	ND	0.66	mg/Kg wet							
2-Chloronaphthalene	ND	0.34	mg/Kg wet							
2-Chlorophenol	ND	0.34	mg/Kg wet							
4-Chlorophenylphenylether	ND	0.34	mg/Kg wet							
Chrysene	ND	0.17	mg/Kg wet							
Dibenz(a,h)anthracene	ND	0.17	mg/Kg wet							
Dibenzofuran	ND	0.34	mg/Kg wet							
Di-n-butylphthalate	ND	0.34	mg/Kg wet							
3,3-Dichlorobenzidine	ND	0.17	mg/Kg wet							
2,4-Dichlorophenol	ND	0.34	mg/Kg wet							
Diethylphthalate	ND	0.34	mg/Kg wet							
2,4-Dimethylphenol	ND	0.34	mg/Kg wet							
Dimethylphthalate	ND	0.34	mg/Kg wet							
4,6-Dinitro-2-methylphenol	ND	0.34	mg/Kg wet							
2,4-Dinitrophenol	ND	0.66	mg/Kg wet							
2,4-Dinitrotoluene	ND	0.34	mg/Kg wet							
2,6-Dinitrotoluene	ND	0.34	mg/Kg wet							
Di-n-octylphthalate	ND	0.34	mg/Kg wet							
Fluoranthene	ND	0.17	mg/Kg wet							
Fluorene	ND	0.17	mg/Kg wet							
Hexachlorobenzene	ND	0.34	mg/Kg wet							
Hexachlorobutadiene	ND	0.34	mg/Kg wet							
Hexachlorocyclopentadiene	ND	0.34	mg/Kg wet							V-05
Hexachloroethane	ND	0.34	mg/Kg wet							
Indeno(1,2,3-cd)pyrene	ND	0.17	mg/Kg wet							
Isophorone	ND	0.34	mg/Kg wet							
2-Methylnaphthalene	ND	0.17	mg/Kg wet							
2-Methylphenol	ND	0.34	mg/Kg wet							
3/4-Methylphenol	ND	0.34	mg/Kg wet							
Naphthalene	ND	0.17	mg/Kg wet							
2-Nitroaniline	ND	0.34	mg/Kg wet							
3-Nitroaniline	ND	0.34	mg/Kg wet							
4-Nitroaniline	ND	0.34	mg/Kg wet							
Nitrobenzene	ND	0.34	mg/Kg wet							
2-Nitrophenol	ND	0.34	mg/Kg wet							

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QUALITY CONTROL

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Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes	
Batch B186451 - SW-846 3546												
Blank (B186451-BLK1)				Prepared: 09/18/17 Analyzed: 09/19/17								
4-Nitrophenol	ND	0.66	mg/Kg wet									
N-Nitrosodiphenylamine	ND	0.34	mg/Kg wet									
N-Nitrosodi-n-propylamine	ND	0.34	mg/Kg wet									
Pentachloronitrobenzene	ND	0.34	mg/Kg wet								V-16, V-20	
Pentachlorophenol	ND	0.34	mg/Kg wet									
Phenanthrene	ND	0.17	mg/Kg wet									
Phenol	ND	0.34	mg/Kg wet									
Pyrene	ND	0.17	mg/Kg wet									
Pyridine	ND	0.34	mg/Kg wet									
1,2,4,5-Tetrachlorobenzene	ND	0.34	mg/Kg wet									
1,2,4-Trichlorobenzene	ND	0.34	mg/Kg wet									
2,4,5-Trichlorophenol	ND	0.34	mg/Kg wet									
2,4,6-Trichlorophenol	ND	0.34	mg/Kg wet									
Surrogate: 2-Fluorophenol	*3.79*		mg/Kg wet	6.67		56.9		30-130				
Surrogate: Phenol-d6	*3.77*		mg/Kg wet	6.67		56.5		30-130				
Surrogate: Nitrobenzene-d5	*1.88*		mg/Kg wet	3.33		56.5		30-130				
Surrogate: 2-Fluorobiphenyl	*2.16*		mg/Kg wet	3.33		64.9		30-130				
Surrogate: 2,4,6-Tribromophenol	*6.08*		mg/Kg wet	6.67		91.1		30-130				
Surrogate: p-Terphenyl-d14	*2.81*		mg/Kg wet	3.33		84.2		30-130				
LCS (B186451-BS1)				Prepared: 09/18/17 Analyzed: 09/19/17								
Acenaphthene	0.952	0.17	mg/Kg wet	1.67		57.1		40-140				
Acenaphthylene	0.981	0.17	mg/Kg wet	1.67		58.9		40-140				
Aniline	0.639	0.34	mg/Kg wet	1.67		**38.4**	*	40-140			L-04	†
Anthracene	1.05	0.17	mg/Kg wet	1.67		63.1		40-140				
Benzo(a)anthracene	1.14	0.17	mg/Kg wet	1.67		68.3		40-140				
Benzo(a)pyrene	1.09	0.17	mg/Kg wet	1.67		65.3		40-140				
Benzo(b)fluoranthene	1.06	0.17	mg/Kg wet	1.67		63.7		40-140				
Benzo(g,h,i)perylene	1.17	0.17	mg/Kg wet	1.67		70.3		40-140				
Benzo(k)fluoranthene	1.06	0.17	mg/Kg wet	1.67		63.5		40-140				
Bis(2-chloroethoxy)methane	1.12	0.34	mg/Kg wet	1.67		67.3		40-140				
Bis(2-chloroethyl)ether	1.02	0.34	mg/Kg wet	1.67		61.0		40-140				
Bis(2-chloroisopropyl)ether	0.961	0.34	mg/Kg wet	1.67		57.7		40-140				
Bis(2-Ethylhexyl)phthalate	1.02	0.34	mg/Kg wet	1.67		60.9		40-140				
4-Bromophenylphenylether	1.35	0.34	mg/Kg wet	1.67		80.8		40-140				
Butylbenzylphthalate	1.08	0.34	mg/Kg wet	1.67		64.9		40-140				
Carbazole	1.04	0.17	mg/Kg wet	1.67		62.4		40-140				
4-Chloroaniline	0.607	0.66	mg/Kg wet	1.67		**36.4**	*	40-140			L-04	†
4-Chloro-3-methylphenol	1.10	0.66	mg/Kg wet	1.67		65.9		30-130				
2-Chloronaphthalene	1.03	0.34	mg/Kg wet	1.67		61.8		40-140				
2-Chlorophenol	1.07	0.34	mg/Kg wet	1.67		63.9		30-130				
4-Chlorophenylphenylether	1.23	0.34	mg/Kg wet	1.67		73.8		40-140				
Chrysene	1.07	0.17	mg/Kg wet	1.67		64.1		40-140				
Dibenz(a,h)anthracene	1.17	0.17	mg/Kg wet	1.67		70.2		40-140				
Dibenzofuran	1.11	0.34	mg/Kg wet	1.67		66.6		40-140				
Di-n-butylphthalate	1.06	0.34	mg/Kg wet	1.67		63.8		40-140				
3,3-Dichlorobenzidine	1.25	0.17	mg/Kg wet	1.67		75.3		40-140				†
2,4-Dichlorophenol	1.22	0.34	mg/Kg wet	1.67		72.9		30-130				
Diethylphthalate	1.14	0.34	mg/Kg wet	1.67		68.4		40-140				
2,4-Dimethylphenol	1.10	0.34	mg/Kg wet	1.67		66.1		30-130				
Dimethylphthalate	1.16	0.34	mg/Kg wet	1.67		69.6		40-140				
4,6-Dinitro-2-methylphenol	0.904	0.34	mg/Kg wet	1.67		54.2		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 B186451 - SW-846 3546												
LCS (B186451-BS1)				Prepared: 09/18/17 Analyzed: 09/19/17								
2,4-Dinitrophenol	0.721	0.66	mg/Kg wet	1.67		43.2		30-130				
2,4-Dinitrotoluene	1.24	0.34	mg/Kg wet	1.67		74.4		40-140				
2,6-Dinitrotoluene	1.28	0.34	mg/Kg wet	1.67		76.9		40-140				
Di-n-octylphthalate	0.954	0.34	mg/Kg wet	1.67		57.3		40-140				
Fluoranthene	1.10	0.17	mg/Kg wet	1.67		66.2		40-140				
Fluorene	1.06	0.17	mg/Kg wet	1.67		63.6		40-140				
Hexachlorobenzene	1.41	0.34	mg/Kg wet	1.67		84.7		40-140				
Hexachlorobutadiene	1.26	0.34	mg/Kg wet	1.67		75.9		40-140				
Hexachlorocyclopentadiene	0.676	0.34	mg/Kg wet	1.67		40.6		30-140			V-05	
Hexachloroethane	0.923	0.34	mg/Kg wet	1.67		55.4		40-140				
Indeno(1,2,3-cd)pyrene	1.17	0.17	mg/Kg wet	1.67		70.2		40-140				
Isophorone	1.10	0.34	mg/Kg wet	1.67		65.7		40-140				
2-Methylnaphthalene	1.11	0.17	mg/Kg wet	1.67		66.5		40-140				
2-Methylphenol	0.969	0.34	mg/Kg wet	1.67		58.2		30-130				
3/4-Methylphenol	1.04	0.34	mg/Kg wet	1.67		62.1		30-130				
Naphthalene	1.03	0.17	mg/Kg wet	1.67		61.9		40-140				
2-Nitroaniline	1.05	0.34	mg/Kg wet	1.67		63.0		40-140				
3-Nitroaniline	0.860	0.34	mg/Kg wet	1.67		51.6		40-140				†
4-Nitroaniline	1.01	0.34	mg/Kg wet	1.67		60.4		40-140				
Nitrobenzene	1.12	0.34	mg/Kg wet	1.67		67.0		40-140				
2-Nitrophenol	1.12	0.34	mg/Kg wet	1.67		67.0		30-130				
4-Nitrophenol	1.35	0.66	mg/Kg wet	1.67		80.7		10-130				
N-Nitrosodiphenylamine	1.37	0.34	mg/Kg wet	1.67		82.2		40-140				
N-Nitrosodi-n-propylamine	0.965	0.34	mg/Kg wet	1.67		57.9		40-140				
Pentachloronitrobenzene	1.42	0.34	mg/Kg wet	1.67		85.5		40-140			V-16, V-20	
Pentachlorophenol	0.880	0.34	mg/Kg wet	1.67		52.8		30-130				
Phenanthrene	1.07	0.17	mg/Kg wet	1.67		64.4		40-140				
Phenol	1.05	0.34	mg/Kg wet	1.67		62.9		20-130				
Pyrene	1.09	0.17	mg/Kg wet	1.67		65.2		40-140				
Pyridine	0.622	0.34	mg/Kg wet	1.67		37.3		10-140				†
1,2,4,5-Tetrachlorobenzene	1.20	0.34	mg/Kg wet	1.67		71.9		40-140				
1,2,4-Trichlorobenzene	1.25	0.34	mg/Kg wet	1.67		75.1		40-140				
2,4,5-Trichlorophenol	1.27	0.34	mg/Kg wet	1.67		76.5		30-130				
2,4,6-Trichlorophenol	1.26	0.34	mg/Kg wet	1.67		75.4		30-130				
Surrogate: 2-Fluorophenol	*4.53*		mg/Kg wet	6.67		67.9		30-130				
Surrogate: Phenol-d6	*4.46*		mg/Kg wet	6.67		67.0		30-130				
Surrogate: Nitrobenzene-d5	*2.27*		mg/Kg wet	3.33		68.1		30-130				
Surrogate: 2-Fluorobiphenyl	*2.64*		mg/Kg wet	3.33		79.2		30-130				
Surrogate: 2,4,6-Tribromophenol	*6.88*		mg/Kg wet	6.67		103		30-130				
Surrogate: p-Terphenyl-d14	*2.84*		mg/Kg wet	3.33		85.3		30-130				
LCS Dup (B186451-BSD1)				Prepared: 09/18/17 Analyzed: 09/19/17								
Acenaphthene	0.825	0.17	mg/Kg wet	1.67		49.5		40-140	14.3	30		
Acenaphthylene	0.850	0.17	mg/Kg wet	1.67		51.0		40-140	14.3	30		
Aniline	0.567	0.34	mg/Kg wet	1.67		**34.0**	*	40-140	12.0	50	L-04	† ‡
Anthracene	0.944	0.17	mg/Kg wet	1.67		56.7		40-140	10.8	30		
Benzo(a)anthracene	1.00	0.17	mg/Kg wet	1.67		60.0		40-140	13.0	30		
Benzo(a)pyrene	0.979	0.17	mg/Kg wet	1.67		58.7		40-140	10.6	30		
Benzo(b)fluoranthene	0.959	0.17	mg/Kg wet	1.67		57.5		40-140	10.2	30		
Benzo(g,h,i)perylene	1.03	0.17	mg/Kg wet	1.67		61.8		40-140	12.9	30		
Benzo(k)fluoranthene	0.942	0.17	mg/Kg wet	1.67		56.5		40-140	11.6	30		
Bis(2-chloroethoxy)methane	1.01	0.34	mg/Kg wet	1.67		60.6		40-140	10.5	30		

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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 B186451 - SW-846 3546												
LCS Dup (B186451-BSD1)				Prepared: 09/18/17 Analyzed: 09/19/17								
Bis(2-chloroethyl)ether	0.896	0.34	mg/Kg wet	1.67		53.8		40-140	12.7	30		
Bis(2-chloroisopropyl)ether	0.867	0.34	mg/Kg wet	1.67		52.0		40-140	10.3	30		
Bis(2-Ethylhexyl)phthalate	0.921	0.34	mg/Kg wet	1.67		55.3		40-140	9.78	30		
4-Bromophenylphenylether	1.19	0.34	mg/Kg wet	1.67		71.7		40-140	12.0	30		
Butylbenzylphthalate	0.953	0.34	mg/Kg wet	1.67		57.2		40-140	12.6	30		
Carbazole	0.913	0.17	mg/Kg wet	1.67		54.8		40-140	13.0	30		
4-Chloroaniline	0.510	0.66	mg/Kg wet	1.67		**30.6**	*	40-140	17.3	30	L-04	†
4-Chloro-3-methylphenol	0.988	0.66	mg/Kg wet	1.67		59.3		30-130	10.6	30		
2-Chloronaphthalene	0.910	0.34	mg/Kg wet	1.67		54.6		40-140	12.4	30		
2-Chlorophenol	0.956	0.34	mg/Kg wet	1.67		57.4		30-130	10.8	30		
4-Chlorophenylphenylether	1.11	0.34	mg/Kg wet	1.67		66.4		40-140	10.7	30		
Chrysene	0.939	0.17	mg/Kg wet	1.67		56.4		40-140	12.9	30		
Dibenz(a,h)anthracene	1.04	0.17	mg/Kg wet	1.67		62.2		40-140	12.1	30		
Dibenzofuran	0.972	0.34	mg/Kg wet	1.67		58.3		40-140	13.3	30		
Di-n-butylphthalate	0.963	0.34	mg/Kg wet	1.67		57.8		40-140	9.87	30		
3,3-Dichlorobenzidine	1.05	0.17	mg/Kg wet	1.67		62.8		40-140	18.1	30		† ‡
2,4-Dichlorophenol	1.10	0.34	mg/Kg wet	1.67		65.9		30-130	10.1	30		
Diethylphthalate	1.00	0.34	mg/Kg wet	1.67		60.1		40-140	13.0	30		
2,4-Dimethylphenol	1.00	0.34	mg/Kg wet	1.67		60.1		30-130	9.58	30		
Dimethylphthalate	1.04	0.34	mg/Kg wet	1.67		62.7		40-140	10.4	50		
4,6-Dinitro-2-methylphenol	0.832	0.34	mg/Kg wet	1.67		49.9		30-130	8.22	50		
2,4-Dinitrophenol	0.676	0.66	mg/Kg wet	1.67		40.5		30-130	6.45	50		
2,4-Dinitrotoluene	1.08	0.34	mg/Kg wet	1.67		65.0		40-140	13.5	30		
2,6-Dinitrotoluene	1.13	0.34	mg/Kg wet	1.67		67.6		40-140	13.0	30		
Di-n-octylphthalate	0.871	0.34	mg/Kg wet	1.67		52.3		40-140	9.13	30		
Fluoranthene	1.01	0.17	mg/Kg wet	1.67		60.5		40-140	8.99	30		
Fluorene	0.938	0.17	mg/Kg wet	1.67		56.3		40-140	12.2	30		
Hexachlorobenzene	1.26	0.34	mg/Kg wet	1.67		75.9		40-140	11.0	30		
Hexachlorobutadiene	1.11	0.34	mg/Kg wet	1.67		66.9		40-140	12.6	30		
Hexachlorocyclopentadiene	0.590	0.34	mg/Kg wet	1.67		35.4		30-140	13.7	50	V-05	
Hexachloroethane	0.904	0.34	mg/Kg wet	1.67		54.2		40-140	2.08	50		
Indeno(1,2,3-cd)pyrene	1.03	0.17	mg/Kg wet	1.67		61.8		40-140	12.6	50		
Isophorone	0.981	0.34	mg/Kg wet	1.67		58.8		40-140	11.0	30		
2-Methylnaphthalene	0.994	0.17	mg/Kg wet	1.67		59.6		40-140	10.9	30		
2-Methylphenol	0.861	0.34	mg/Kg wet	1.67		51.7		30-130	11.8	30		
3/4-Methylphenol	0.941	0.34	mg/Kg wet	1.67		56.5		30-130	9.51	30		
Naphthalene	0.909	0.17	mg/Kg wet	1.67		54.5		40-140	12.6	30		
2-Nitroaniline	0.911	0.34	mg/Kg wet	1.67		54.7		40-140	14.2	30		
3-Nitroaniline	0.785	0.34	mg/Kg wet	1.67		47.1		40-140	9.20	30		†
4-Nitroaniline	0.898	0.34	mg/Kg wet	1.67		53.9		40-140	11.4	30		
Nitrobenzene	0.972	0.34	mg/Kg wet	1.67		58.3		40-140	13.8	30		
2-Nitrophenol	1.00	0.34	mg/Kg wet	1.67		60.1		30-130	10.9	30		
4-Nitrophenol	1.08	0.66	mg/Kg wet	1.67		64.6		10-130	22.2	50		‡
N-Nitrosodiphenylamine	1.24	0.34	mg/Kg wet	1.67		74.2		40-140	10.3	30		
N-Nitrosodi-n-propylamine	0.862	0.34	mg/Kg wet	1.67		51.7		40-140	11.2	30		
Pentachloronitrobenzene	1.30	0.34	mg/Kg wet	1.67		77.8		40-140	9.36	30	V-16, V-20	
Pentachlorophenol	0.765	0.34	mg/Kg wet	1.67		45.9		30-130	14.0	50		
Phenanthrene	0.938	0.17	mg/Kg wet	1.67		56.3		40-140	13.6	30		
Phenol	0.928	0.34	mg/Kg wet	1.67		55.7		20-130	12.2	30		
Pyrene	1.00	0.17	mg/Kg wet	1.67		60.3		40-140	7.84	30		
Pyridine	0.544	0.34	mg/Kg wet	1.67		32.6		10-140	13.4	50		†
1,2,4,5-Tetrachlorobenzene	1.03	0.34	mg/Kg wet	1.67		62.0		40-140	14.8	30		

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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 B186451 - SW-846 3546										
LCS Dup (B186451-BSD1)				Prepared: 09/18/17 Analyzed: 09/19/17						
1,2,4-Trichlorobenzene	1.13	0.34	mg/Kg wet	1.67		67.5	40-140	10.6	30	
2,4,5-Trichlorophenol	1.08	0.34	mg/Kg wet	1.67		64.7	30-130	16.7	30	
2,4,6-Trichlorophenol	1.07	0.34	mg/Kg wet	1.67		64.0	30-130	16.4	50	
Surrogate: 2-Fluorophenol	*4.00*		mg/Kg wet	6.67		60.0	30-130			
Surrogate: Phenol-d6	*3.92*		mg/Kg wet	6.67		58.8	30-130			
Surrogate: Nitrobenzene-d5	*1.99*		mg/Kg wet	3.33		59.6	30-130			
Surrogate: 2-Fluorobiphenyl	*2.27*		mg/Kg wet	3.33		68.2	30-130			
Surrogate: 2,4,6-Tribromophenol	*6.03*		mg/Kg wet	6.67		90.5	30-130			
Surrogate: p-Terphenyl-d14	*2.55*		mg/Kg wet	3.33		76.6	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 B186583 - SW-846 3540C										
Blank (B186583-BLK1)				Prepared: 09/19/17 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	*0.203*		mg/Kg wet	0.200		101	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.186*		mg/Kg wet	0.200		93.2	30-150			
Surrogate: Tetrachloro-m-xylene	*0.172*		mg/Kg wet	0.200		85.9	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.179*		mg/Kg wet	0.200		89.6	30-150			
LCS (B186583-BS1)				Prepared: 09/19/17 Analyzed: 09/21/17						
Aroclor-1016	0.16	0.020	mg/Kg wet	0.200		78.6	40-140			
Aroclor-1016 [2C]	0.18	0.020	mg/Kg wet	0.200		88.4	40-140			
Aroclor-1260	0.16	0.020	mg/Kg wet	0.200		79.8	40-140			
Aroclor-1260 [2C]	0.16	0.020	mg/Kg wet	0.200		78.0	40-140			
Surrogate: Decachlorobiphenyl	*0.201*		mg/Kg wet	0.200		101	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.187*		mg/Kg wet	0.200		93.3	30-150			
Surrogate: Tetrachloro-m-xylene	*0.172*		mg/Kg wet	0.200		86.0	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.178*		mg/Kg wet	0.200		89.1	30-150			
LCS Dup (B186583-BSD1)				Prepared: 09/19/17 Analyzed: 09/21/17						
Aroclor-1016	0.18	0.020	mg/Kg wet	0.200		87.8	40-140	11.1	30	
Aroclor-1016 [2C]	0.19	0.020	mg/Kg wet	0.200		94.7	40-140	6.92	30	
Aroclor-1260	0.17	0.020	mg/Kg wet	0.200		85.0	40-140	6.32	30	
Aroclor-1260 [2C]	0.16	0.020	mg/Kg wet	0.200		82.0	40-140	5.03	30	
Surrogate: Decachlorobiphenyl	*0.204*		mg/Kg wet	0.200		102	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.188*		mg/Kg wet	0.200		94.0	30-150			
Surrogate: Tetrachloro-m-xylene	*0.181*		mg/Kg wet	0.200		90.3	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.186*		mg/Kg wet	0.200		93.0	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 B186608 - SW-846 3540C										
Blank (B186608-BLK1)				Prepared: 09/19/17 Analyzed: 09/22/17						
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		99.7	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.190*		mg/Kg wet	0.200		94.9	30-150			
Surrogate: Tetrachloro-m-xylene	*0.179*		mg/Kg wet	0.200		89.6	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.190*		mg/Kg wet	0.200		94.8	30-150			
LCS (B186608-BS1)				Prepared: 09/19/17 Analyzed: 09/22/17						
Aroclor-1016	0.17	0.020	mg/Kg wet	0.200		86.0	40-140			
Aroclor-1016 [2C]	0.19	0.020	mg/Kg wet	0.200		95.3	40-140			
Aroclor-1260	0.17	0.020	mg/Kg wet	0.200		84.5	40-140			
Aroclor-1260 [2C]	0.16	0.020	mg/Kg wet	0.200		82.1	40-140			
Surrogate: Decachlorobiphenyl	*0.195*		mg/Kg wet	0.200		97.6	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.186*		mg/Kg wet	0.200		93.1	30-150			
Surrogate: Tetrachloro-m-xylene	*0.179*		mg/Kg wet	0.200		89.3	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.187*		mg/Kg wet	0.200		93.5	30-150			
LCS Dup (B186608-BSD1)				Prepared: 09/19/17 Analyzed: 09/22/17						
Aroclor-1016	0.17	0.020	mg/Kg wet	0.200		84.6	40-140	1.63	30	
Aroclor-1016 [2C]	0.19	0.020	mg/Kg wet	0.200		93.9	40-140	1.49	30	
Aroclor-1260	0.17	0.020	mg/Kg wet	0.200		84.2	40-140	0.323	30	
Aroclor-1260 [2C]	0.16	0.020	mg/Kg wet	0.200		81.3	40-140	0.972	30	
Surrogate: Decachlorobiphenyl	*0.188*		mg/Kg wet	0.200		94.1	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.179*		mg/Kg wet	0.200		89.5	30-150			
Surrogate: Tetrachloro-m-xylene	*0.166*		mg/Kg wet	0.200		83.2	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.175*		mg/Kg wet	0.200		87.5	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 B186608 - SW-846 3540C										
Matrix Spike (B186608-MS1)		**Source: 17I0463-01**		Prepared: 09/19/17 Analyzed: 09/22/17						
Aroclor-1016	0.39	0.13	mg/Kg dry	0.326	ND	120	40-140			
Aroclor-1016 [2C]	0.38	0.13	mg/Kg dry	0.326	ND	116	40-140			
Aroclor-1260	0.37	0.13	mg/Kg dry	0.326	ND	112	40-140			
Aroclor-1260 [2C]	0.31	0.13	mg/Kg dry	0.326	ND	96.5	40-140			
Surrogate: Decachlorobiphenyl	*0.366*		mg/Kg dry	0.326		112	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.326*		mg/Kg dry	0.326		100	30-150			
Surrogate: Tetrachloro-m-xylene	*0.328*		mg/Kg dry	0.326		101	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.333*		mg/Kg dry	0.326		102	30-150			
Matrix Spike Dup (B186608-MSD1)		**Source: 17I0463-01**		Prepared: 09/19/17 Analyzed: 09/22/17						
Aroclor-1016	0.46	0.13	mg/Kg dry	0.326	ND	140	40-140	15.7	50	
Aroclor-1016 [2C]	0.35	0.13	mg/Kg dry	0.326	ND	108	40-140	7.36	50	
Aroclor-1260	0.38	0.13	mg/Kg dry	0.326	ND	118	40-140	4.60	50	
Aroclor-1260 [2C]	0.30	0.13	mg/Kg dry	0.326	ND	91.9	40-140	4.88	50	
Surrogate: Decachlorobiphenyl	*0.348*		mg/Kg dry	0.326		107	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.309*		mg/Kg dry	0.326		94.7	30-150			
Surrogate: Tetrachloro-m-xylene	*0.315*		mg/Kg dry	0.326		96.7	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.316*		mg/Kg dry	0.326		97.1	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 B186524 - SW-846 3546										
Blank (B186524-BLK1)				Prepared: 09/19/17 Analyzed: 09/20/17						
CT ETPH	ND	10	mg/Kg wet							
Surrogate: o-Terphenyl	*3.40*		mg/Kg wet	3.33		102	50-150			
LCS (B186524-BS1)				Prepared: 09/19/17 Analyzed: 09/20/17						
CT ETPH	27.1	10	mg/Kg wet	33.3		81.4	60-120			
Surrogate: o-Terphenyl	*3.36*		mg/Kg wet	3.33		101	50-150			
LCS Dup (B186524-BSD1)				Prepared: 09/19/17 Analyzed: 09/20/17						
CT ETPH	28.2	10	mg/Kg wet	33.3		84.7	60-120	3.94	30	
Surrogate: o-Terphenyl	*3.61*		mg/Kg wet	3.33		108	50-150			

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QUALITY CONTROL

Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B186443 - SW-846 7471										
Blank (B186443-BLK1)				Prepared: 09/18/17 Analyzed: 09/19/17						
Mercury	ND	0.025	mg/Kg wet							
LCS (B186443-BS1)				Prepared: 09/18/17 Analyzed: 09/19/17						
Mercury	8.51	1.9	mg/Kg wet	9.36		90.9	73.7-126.3			
LCS Dup (B186443-BSD1)				Prepared: 09/18/17 Analyzed: 09/19/17						
Mercury	8.71	1.9	mg/Kg wet	9.36		93.0	73.7-126.3	2.35	30	
Batch B186445 - SW-846 3050B										
Blank (B186445-BLK1)				Prepared: 09/18/17 Analyzed: 09/19/17						
Antimony	ND	2.5	mg/Kg wet							
Arsenic	ND	2.5	mg/Kg wet							
Barium	ND	2.5	mg/Kg wet							
Beryllium	ND	0.25	mg/Kg wet							
Cadmium	ND	0.25	mg/Kg wet							
Chromium	ND	0.50	mg/Kg wet							
Copper	ND	0.50	mg/Kg wet							
Lead	ND	0.75	mg/Kg wet							
Nickel	ND	0.50	mg/Kg wet							
Selenium	ND	5.0	mg/Kg wet							
Silver	ND	0.50	mg/Kg wet							
Thallium	ND	2.5	mg/Kg wet							
Vanadium	ND	1.0	mg/Kg wet							
Zinc	ND	1.0	mg/Kg wet							
LCS (B186445-BS1)				Prepared: 09/18/17 Analyzed: 09/19/17						
Antimony	67.6	5.0	mg/Kg wet	146		46.3	0-210.3			
Arsenic	137	5.0	mg/Kg wet	157		87.2	77.8-122.1			
Barium	309	5.0	mg/Kg wet	339		91.1	82-117.4			
Beryllium	53.6	0.50	mg/Kg wet	58.3		92.0	82.3-117.7			
Cadmium	190	0.50	mg/Kg wet	216		88.1	81.9-118.2			
Chromium	82.9	1.0	mg/Kg wet	88.9		93.3	78.7-120.6			
Copper	176	1.0	mg/Kg wet	184		95.6	80.4-119.6			
Lead	82.3	1.5	mg/Kg wet	94.3		87.3	82.4-117.8			
Nickel	138	1.0	mg/Kg wet	154		89.7	82.2-117.8			
Selenium	178	10	mg/Kg wet	207		85.8	77.1-122.3			
Silver	41.7	1.0	mg/Kg wet	43.8		95.2	74.3-125.4			
Thallium	152	5.0	mg/Kg wet	167		91.1	78.2-121.6			
Vanadium	87.2	2.0	mg/Kg wet	100		87.2	64.8-135.2			
Zinc	189	2.0	mg/Kg wet	209		90.5	79.7-120.8			

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QUALITY CONTROL

Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B186445 - SW-846 3050B										
LCS Dup (B186445-BSD1)				Prepared: 09/18/17 Analyzed: 09/19/17						
Antimony	73.3	4.9	mg/Kg wet	146		50.2	0-210.3	8.02	30	
Arsenic	150	4.9	mg/Kg wet	157		95.8	77.8-122.1	9.44	30	
Barium	332	4.9	mg/Kg wet	339		97.8	82-117.4	7.17	30	
Beryllium	60.5	0.49	mg/Kg wet	58.3		104	82.3-117.7	11.9	30	
Cadmium	210	0.49	mg/Kg wet	216		97.3	81.9-118.2	9.90	30	
Chromium	92.4	0.99	mg/Kg wet	88.9		104	78.7-120.6	10.8	30	
Copper	192	0.99	mg/Kg wet	184		105	80.4-119.6	8.96	30	
Lead	89.1	1.5	mg/Kg wet	94.3		94.5	82.4-117.8	7.87	30	
Nickel	152	0.99	mg/Kg wet	154		98.4	82.2-117.8	9.20	30	
Selenium	194	9.9	mg/Kg wet	207		93.5	77.1-122.3	8.57	30	
Silver	44.4	0.99	mg/Kg wet	43.8		101	74.3-125.4	6.22	30	
Thallium	168	4.9	mg/Kg wet	167		100	78.2-121.6	9.66	30	
Vanadium	96.0	2.0	mg/Kg wet	100		96.0	64.8-135.2	9.59	30	
Zinc	208	2.0	mg/Kg wet	209		99.4	79.7-120.8	9.31	30	
MRL Check (B186445-MRL1)				Prepared: 09/18/17 Analyzed: 09/19/17						
Lead	0.878	0.73	mg/Kg wet	0.734		120	80-120			

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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 B186542 - % Solids										
Duplicate (B186542-DUP4)		**Source: 17I0463-01**		Prepared: 09/19/17 Analyzed: 09/20/17						
% Solids	62.9		% Wt		61.4			2.41	20	
Duplicate (B186542-DUP5)		**Source: 17I0463-02**		Prepared: 09/19/17 Analyzed: 09/20/17						
% Solids	64.7		% Wt		60.0			7.54	20	
Duplicate (B186542-DUP6)		**Source: 17I0463-03**		Prepared: 09/19/17 Analyzed: 09/20/17						
% Solids	72.8		% Wt		69.6			4.49	20	

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC-10-SO-25-1

Lab Sample ID: 17I0463-06

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	3.3	
	2	0.000	-0.030	0.030	3.0	9.5

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC-10-SO-25-2

Lab Sample ID: 17I0463-07

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	0.80	
	2	0.000	-0.030	0.030	0.83	3.7

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC-10-SO-11-1

Lab Sample ID: 17I0463-15

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-1260	1	0.000	-0.030	0.030	0.28	
	2	0.000	-0.030	0.030	0.24	15.4

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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.
L-01	Laboratory fortified blank /laboratory control sample recovery outside of control limits. Data validation is not affected since all results are "not detected" for all samples in this batch for this compound and bias is on the high side.
L-04	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side.
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.
V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
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
SW-846 6010C-D in Soil	
Antimony	CT,NH,NY,ME,VA,NC
Arsenic	CT,NH,NY,ME,VA,NC
Barium	CT,NH,NY,ME,VA,NC
Beryllium	CT,NH,NY,ME,VA,NC
Cadmium	CT,NH,NY,ME,VA,NC
Chromium	CT,NH,NY,ME,VA,NC
Copper	CT,NH,NY,ME,VA,NC
Lead	CT,NH,NY,AIHA,ME,VA,NC
Nickel	CT,NH,NY,ME,VA,NC
Selenium	CT,NH,NY,ME,VA,NC
Silver	CT,NH,NY,ME,VA,NC
Thallium	CT,NH,NY,ME,VA,NC
Vanadium	CT,NH,NY,ME,VA,NC
Zinc	CT,NH,NY,ME,VA,NC
SW-846 7471B in Soil	
Mercury	CT,NH,NY,NC,ME,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 8260C in Soil	
Acetone	CT,NH,NY,ME
Acetone	CT,NH,NY,ME
Acrylonitrile	CT,NH,NY,ME
Acrylonitrile	CT,NH,NY,ME
Benzene	CT,NH,NY,ME
Benzene	CT,NH,NY,ME
Bromobenzene	NH,NY,ME

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8260C in Soil	
Bromobenzene	NH,NY,ME
Bromodichloromethane	CT,NH,NY,ME
Bromodichloromethane	CT,NH,NY,ME
Bromoform	CT,NH,NY,ME
Bromoform	CT,NH,NY,ME
Bromomethane	CT,NH,NY,ME
Bromomethane	CT,NH,NY,ME
2-Butanone (MEK)	CT,NH,NY,ME
2-Butanone (MEK)	CT,NH,NY,ME
n-Butylbenzene	CT,NH,NY,ME
n-Butylbenzene	CT,NH,NY,ME
sec-Butylbenzene	CT,NH,NY,ME
sec-Butylbenzene	CT,NH,NY,ME
tert-Butylbenzene	CT,NH,NY,ME
tert-Butylbenzene	CT,NH,NY,ME
Carbon Disulfide	CT,NH,NY,ME
Carbon Disulfide	CT,NH,NY,ME
Carbon Tetrachloride	CT,NH,NY,ME
Carbon Tetrachloride	CT,NH,NY,ME
Chlorobenzene	CT,NH,NY,ME
Chlorobenzene	CT,NH,NY,ME
Chlorodibromomethane	CT,NH,NY,ME
Chlorodibromomethane	CT,NH,NY,ME
Chloroethane	CT,NH,NY,ME
Chloroethane	CT,NH,NY,ME
Chloroform	CT,NH,NY,ME
Chloroform	CT,NH,NY,ME
Chloromethane	CT,NH,NY,ME
Chloromethane	CT,NH,NY,ME
2-Chlorotoluene	CT,NH,NY,ME
2-Chlorotoluene	CT,NH,NY,ME
4-Chlorotoluene	CT,NH,NY,ME
4-Chlorotoluene	CT,NH,NY,ME
Dibromomethane	NH,NY,ME
Dibromomethane	NH,NY,ME
1,2-Dichlorobenzene	CT,NH,NY,ME
1,2-Dichlorobenzene	CT,NH,NY,ME
1,3-Dichlorobenzene	CT,NH,NY,ME
1,3-Dichlorobenzene	CT,NH,NY,ME
1,4-Dichlorobenzene	CT,NH,NY,ME
1,4-Dichlorobenzene	CT,NH,NY,ME
trans-1,4-Dichloro-2-butene	NY
Dichlorodifluoromethane (Freon 12)	NY,ME
Dichlorodifluoromethane (Freon 12)	NY,ME
1,1-Dichloroethane	CT,NH,NY,ME
1,1-Dichloroethane	CT,NH,NY,ME
1,2-Dichloroethane	CT,NH,NY,ME

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8260C in Soil	
1,2-Dichloroethane	CT,NH,NY,ME
1,1-Dichloroethylene	CT,NH,NY,ME
1,1-Dichloroethylene	CT,NH,NY,ME
cis-1,2-Dichloroethylene	CT,NH,NY,ME
cis-1,2-Dichloroethylene	CT,NH,NY,ME
trans-1,2-Dichloroethylene	CT,NH,NY,ME
trans-1,2-Dichloroethylene	CT,NH,NY,ME
1,2-Dichloropropane	CT,NH,NY,ME
1,2-Dichloropropane	CT,NH,NY,ME
1,3-Dichloropropane	NH,NY,ME
1,3-Dichloropropane	NH,NY,ME
2,2-Dichloropropane	NH,NY,ME
2,2-Dichloropropane	NH,NY,ME
1,1-Dichloropropene	NH,NY,ME
1,1-Dichloropropene	NH,NY,ME
cis-1,3-Dichloropropene	CT,NH,NY,ME
cis-1,3-Dichloropropene	CT,NH,NY,ME
trans-1,3-Dichloropropene	CT,NH,NY,ME
trans-1,3-Dichloropropene	CT,NH,NY,ME
Ethylbenzene	CT,NH,NY,ME
Ethylbenzene	CT,NH,NY,ME
Hexachlorobutadiene	NH,NY,ME
Hexachlorobutadiene	NH,NY,ME
2-Hexanone (MBK)	CT,NH,NY,ME
2-Hexanone (MBK)	CT,NH,NY,ME
Isopropylbenzene (Cumene)	CT,NH,NY,ME
Isopropylbenzene (Cumene)	CT,NH,NY,ME
p-Isopropyltoluene (p-Cymene)	NH,NY
p-Isopropyltoluene (p-Cymene)	NH,NY
Methyl tert-Butyl Ether (MTBE)	NY
Methyl tert-Butyl Ether (MTBE)	NH,NY
Methylene Chloride	CT,NH,NY,ME
Methylene Chloride	CT,NH,NY,ME
4-Methyl-2-pentanone (MIBK)	CT,NH,NY
4-Methyl-2-pentanone (MIBK)	CT,NH,NY
Naphthalene	NH,NY,ME
Naphthalene	NH,NY,ME
n-Propylbenzene	NH,NY
n-Propylbenzene	NH,NY
Styrene	CT,NH,NY,ME
Styrene	CT,NH,NY,ME
1,1,1,2-Tetrachloroethane	CT,NH,NY,ME
1,1,1,2-Tetrachloroethane	CT,NH,NY,ME
1,1,2,2-Tetrachloroethane	CT,NH,NY,ME
1,1,2,2-Tetrachloroethane	CT,NH,NY,ME
Tetrachloroethylene	CT,NH,NY,ME
Tetrachloroethylene	CT,NH,NY,ME

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8260C in Soil	
Toluene	CT,NH,NY,ME
Toluene	CT,NH,NY,ME
1,2,4-Trichlorobenzene	NH,NY,ME
1,2,4-Trichlorobenzene	NH,NY,ME
1,1,1-Trichloroethane	CT,NH,NY,ME
1,1,1-Trichloroethane	CT,NH,NY,ME
1,1,2-Trichloroethane	CT,NH,NY,ME
1,1,2-Trichloroethane	CT,NH,NY,ME
Trichloroethylene	CT,NH,NY,ME
Trichloroethylene	CT,NH,NY,ME
Trichlorofluoromethane (Freon 11)	CT,NH,NY,ME
Trichlorofluoromethane (Freon 11)	CT,NH,NY,ME
1,2,3-Trichloropropane	NH,NY,ME
1,2,3-Trichloropropane	NH,NY,ME
1,2,4-Trimethylbenzene	CT,NH,NY,ME
1,2,4-Trimethylbenzene	CT,NH,NY,ME
1,3,5-Trimethylbenzene	CT,NH,NY,ME
1,3,5-Trimethylbenzene	CT,NH,NY,ME
Vinyl Chloride	CT,NH,NY,ME
Vinyl Chloride	CT,NH,NY,ME
m+p Xylene	CT,NH,NY,ME
m+p Xylene	CT,NH,NY,ME
o-Xylene	CT,NH,NY,ME
o-Xylene	CT,NH,NY,ME
SW-846 8270D in Soil	
Acenaphthene	CT,NY,NH
Acenaphthylene	CT,NY,NH
Aniline	NY,NH
Anthracene	CT,NY,NH
Benzo(a)anthracene	CT,NY,NH
Benzo(a)pyrene	CT,NY,NH
Benzo(b)fluoranthene	CT,NY,NH
Benzo(g,h,i)perylene	CT,NY,NH
Benzo(k)fluoranthene	CT,NY,NH
Bis(2-chloroethoxy)methane	CT,NY,NH
Bis(2-chloroethyl)ether	CT,NY,NH
Bis(2-chloroisopropyl)ether	CT,NY,NH
Bis(2-Ethylhexyl)phthalate	CT,NY,NH
4-Bromophenylphenylether	CT,NY,NH
Butylbenzylphthalate	CT,NY,NH
4-Chloroaniline	CT,NY,NH
4-Chloro-3-methylphenol	CT,NY,NH
2-Chloronaphthalene	CT,NY,NH
2-Chlorophenol	CT,NY,NH
4-Chlorophenylphenylether	CT,NY,NH
Chrysene	CT,NY,NH

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8270D in Soil	
Dibenz(a,h)anthracene	CT,NY,NH
Dibenzofuran	CT,NY,NH
Di-n-butylphthalate	CT,NY,NH
1,2-Dichlorobenzene	NY,NH
1,3-Dichlorobenzene	NY,NH
1,4-Dichlorobenzene	NY,NH
3,3-Dichlorobenzidine	CT,NY,NH
2,4-Dichlorophenol	CT,NY,NH
Diethylphthalate	CT,NY,NH
2,4-Dimethylphenol	CT,NY,NH
Dimethylphthalate	CT,NY,NH
4,6-Dinitro-2-methylphenol	CT,NY,NH
2,4-Dinitrophenol	CT,NY,NH
2,4-Dinitrotoluene	CT,NY,NH
2,6-Dinitrotoluene	CT,NY,NH
Di-n-octylphthalate	CT,NY,NH
Fluoranthene	CT,NY,NH
Fluorene	NY,NH
Hexachlorobenzene	CT,NY,NH
Hexachlorobutadiene	CT,NY,NH
Hexachlorocyclopentadiene	CT,NY,NH
Hexachloroethane	CT,NY,NH
Indeno(1,2,3-cd)pyrene	CT,NY,NH
Isophorone	CT,NY,NH
2-Methylnaphthalene	CT,NY,NH
2-Methylphenol	CT,NY,NH
3/4-Methylphenol	CT,NY,NH
Naphthalene	CT,NY,NH
2-Nitroaniline	CT,NY,NH
3-Nitroaniline	CT,NY,NH
4-Nitroaniline	CT,NY,NH
Nitrobenzene	CT,NY,NH
2-Nitrophenol	CT,NY,NH
4-Nitrophenol	CT,NY,NH
N-Nitrosodiphenylamine	CT,NY,NH
N-Nitrosodi-n-propylamine	CT,NY,NH
Pentachloronitrobenzene	NY
Pentachlorophenol	CT,NY,NH
Phenanthrene	CT,NY,NH
Phenol	CT,NY,NH
Pyrene	CT,NY,NH
Pyridine	CT,NY,NH
1,2,4,5-Tetrachlorobenzene	NY
1,2,4-Trichlorobenzene	CT,NY,NH
2,4,5-Trichlorophenol	CT,NY,NH
2,4,6-Trichlorophenol	CT,NY,NH

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

17I0463

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 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	SVOCs	RSR's 15	VOCs	# of Containers	[2] Preservation Code	[3] Container Code
01	WS-ACC-10-30-31-2	9/12/17	1216		X	S	U	X	X			1	I	A
02	WS-ACC-10-30-31-3	↓	1217		↓	↓	↓	X			X	1	I	A
03	WS-ACC-10-30-30-1		1310					X		X		1	I	A
04	WS-ACC-10-30-30-2		1311					X				1	I	A
05	WS-ACC-10-30-30-3		1312					X			X	1	I	A
06	WS-ACC-10-30-25-1		1313					X				1	I	A
07	WS-ACC-10-30-25-2		1314					X				1	I	A
08	WS-ACC-10-30-25-3		1327					X				1	I	A
09	WS-ACC-10-30-8-1		1328					X		X		1	I	A
10	WS-ACC-10-30-8-2	↓	1329		↓	↓	↓	X				1	I	A

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: 9/12/17 1445
Received by: (signature)	Date/Time: 9/12/17 1445
Relinquished by: (signature)	Date/Time: 9/12/17 410
Received by: (signature) 4.7 C	Date/Time: 9/12/17 1610
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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9/12/17 1610

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Doc # 381 Rev 0 5 8 2015

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

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	PCB Soxhlet	ETPH	SVOCs	RSRs 15	VOCs								# of Containers	[2] Preservation Code	[3] Container Code
11	WS-AOC-10-50-8-3	9/12/17	1329		X	S	U	X				X								1	I	A
12	WS-AOC-10-50-7-1		1334					X	X													
13	WS-AOC-10-50-7-2		1339					X														
14	WS-AOC-10-50-7-3		1340					X														
15	WS-AOC-10-50-11-1		1344					X		X												
16	WS-AOC-10-50-11-2		1348					X														
17	WS-AOC-10-50-11-3		1349					X														
18	WS-AOC-10-50-10-1		1350					X			X											
19	WS-AOC-10-50-10-2		1351					X														
20	WS-AOC-10-50-10-3	↓	1352		↓	↓	↓	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: 9/12/17 1445
Received by: (signature)	Date/Time: 9/12/17 1445
Relinquished by: (signature)	Date/Time: 9/12/17 410
Received by: (signature)	Date/Time: 9/12/17 1610
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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9/12/17 1610

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17I0403

http://www.contestlabs.com

CHAIN OF CUSTODY RECORD

Doc # 381 Rev 0 5 8 2015

39 Spruce Street
East Longmeadow, MA 01028

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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 #:

# of Containers: 1
[2] Preservation Code: H
[3] Container Code: A

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	VOC
01	WS-AOC-10-SO-13-1	9/12/17	1355		X	S	U	X	
02	WS-AOC-10-SO-13-2	↓	1356		↓	↓	↓	X	
03	WS-AOC-10-SO-13-2	↓	1357		↓	↓	↓	X	
04	Trip Blank	↓	—		O	↓	↓		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) Trip blank

[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) [signature]	Date/Time: 9/12/17 1445
Received by: (signature) [signature]	Date/Time: 9/12/17 1445
Relinquished by: (signature) [signature]	Date/Time: 9/12/17 410
Received by: (signature) [signature] 4.7°C	Date/Time: 9/12/17 1610
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.

9/12/17 1610

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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 RLF Date 9/12/17 Time 1610

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 - 4.7°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~~ F
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? NA MS/MSD? NA
Proper Media/Containers Used? T Is splitting samples required? F
Were trip blanks received? T On COC? T
Do all samples have the proper pH? Acid NA Base NA

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.	
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear	22
Meoh-	4	250 mL Amb.		250 mL Plastic		4oz Amb/Clear	
Bisulfate-		Col./Bacteria		Flashpoint		2oz Amb/Clear	
DI-	8	Other Plastic		Other Glass		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock		9/12/17 1610	

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:

did not receive WS-ACC-10-50-25.3

D:\HPCHEM\1\DATA\A092017.SEC\A0920031.D

CT ETPH DISCRIMINATION CHECK

Date Acquired	9/20/17
Data File Name	A0920031.D
Sample Name	ETPH 1500
Instrument Name	5890DFID

Compound	Ret Time	Target Response	Average Response	*%D +/- 20
c - 9	1.28	541173	562711	-4
c - 10	1.62	549935	562711	-2
c - 12	2.34	566528	562711	1
c - 14	3.01	574189	562711	2
c - 16	3.61	582627	562711	4
c - 18	4.22	570510	562711	1
o-Terphenyl	4.51	631761	562711	
c - 20	4.83	572845	562711	2
c - 22	5.33	578821	562711	3
c - 24	5.77	538783	562711	-4
c - 26	6.16	569323	562711	1
c - 28	6.52	564215	562711	0
c - 30	6.85	562306	562711	0
c - 32	7.16	552003	562711	-2
c - 34	7.45	557640	562711	-1
c - 36	7.76	559760	562711	-1

* One compound allowed %D <= 50%

Samples

17I0719-02@5X
17I0719-03@50X
17I0719-05@100X
17I0719-06@100X
17I0719-14@100X
17I0719-01@100X
17I0378-19@5X
17I0379-03@50X
17I0378-01@50X
17I0380-04@5X
17I0380-06@20X
17I0380-02@10X
17I0517-13

D:\HPCHEM\1\DATA\A092017.SEC\A0920079.D

CT ETPH DISCRIMINATION CHECK

Date Acquired	9/20/17
Data File Name	A0920079.D
Sample Name	ETPH 1500
Instrument Name	5890DFID

Compound	Ret Time	Target Response	Average Response	*%D +/- 20
c - 9	1.28	593179	621951	-5
c - 10	1.62	601870	621951	-3
c - 12	2.34	620530	621951	0
c - 14	3.01	631091	621951	1
c - 16	3.61	641967	621951	3
c - 18	4.22	630375	621951	1
o-Terphenyl	4.51	697469	621951	
c - 20	4.83	634151	621951	2
c - 22	5.33	640559	621951	3
c - 24	5.77	596341	621951	-4
c - 26	6.16	629258	621951	1
c - 28	6.52	625172	621951	1
c - 30	6.85	625957	621951	1
c - 32	7.16	616353	621951	-1
c - 34	7.45	620644	621951	0
c - 36	7.76	621823	621951	0

* One compound allowed %D <= 50%

Samples

17I0517-04
17I0517-09
17I0517-12
17I0462-04
17I0462-17
17I0462-20
17I0463-12
17I0241-10RE1@5X

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: 17I0463

Laboratory Sample ID(s):

17I0463-01 thru 17I0463-24

Sample Date(s):

09/12/2017

List RCP Methods Used:

CTDEP ETPH, SW-846 6010C-D, SW-846 7470A, SW-846 7471B, SW-846 8082A, SW-846 8260C, 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:** **09/25/17**

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

October 3, 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: 17I1140

Enclosed are results of analyses for samples received by the laboratory on September 25, 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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Certifications 10

Chain of Custody/Sample Receipt 11

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: 10/3/2017

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 2170495

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 17I1140

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-10-SO-25-1	17I1140-01	Soil		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.

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: 17I1140

Date Received: 9/25/2017

Field Sample #: WS-AOC-10-SO-25-1 Sampled: 9/12/2017 03:13

Sample ID: 17I1140-01

Sample Matrix: Soil

SPLP - 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	9/29/17	10/2/17 20:24	JMB
Aroclor-1221 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/29/17	10/2/17 20:24	JMB
Aroclor-1232 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/29/17	10/2/17 20:24	JMB
Aroclor-1242 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/29/17	10/2/17 20:24	JMB
Aroclor-1248 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/29/17	10/2/17 20:24	JMB
Aroclor-1254 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/29/17	10/2/17 20:24	JMB
Aroclor-1260 [2]	0.23	0.20	µg/L	1		SW-846 8082A	9/29/17	10/2/17 20:24	JMB
Aroclor-1262 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/29/17	10/2/17 20:24	JMB
Aroclor-1268 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/29/17	10/2/17 20:24	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	80.9	30-150		10/2/17 20:24
Decachlorobiphenyl [2]	105	30-150		10/2/17 20:24
Tetrachloro-m-xylene [1]	87.4	30-150		10/2/17 20:24
Tetrachloro-m-xylene [2]	85.4	30-150		10/2/17 20:24

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Sample Extraction Data

Prep Method: SW-846 3510C-SW-846 8082A **Leachates were extracted on 9/26/2017 per SW-846 1312 in Batch B187103**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
17I1140-01 [WS-AOC-10-SO-25-1]	B187381	500	5.00	09/29/17

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QUALITY CONTROL

SPLP - Polychlorinated Biphenyls By GC/ECD - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B187381 - SW-846 3510C										
Blank (B187381-BLK1)				Prepared: 09/29/17 Analyzed: 10/02/17						
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	*1.48*		µg/L	2.00		74.0	30-150			
Surrogate: Decachlorobiphenyl [2C]	*1.90*		µg/L	2.00		95.0	30-150			
Surrogate: Tetrachloro-m-xylene	*1.72*		µg/L	2.00		85.9	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.69*		µg/L	2.00		84.7	30-150			
LCS (B187381-BS1)				Prepared: 09/29/17 Analyzed: 10/02/17						
Aroclor-1016	0.53	0.20	µg/L	0.500		106	40-140			
Aroclor-1016 [2C]	0.52	0.20	µg/L	0.500		105	40-140			
Aroclor-1260	0.46	0.20	µg/L	0.500		92.6	40-140			
Aroclor-1260 [2C]	0.52	0.20	µg/L	0.500		104	40-140			
Surrogate: Decachlorobiphenyl	*1.74*		µg/L	2.00		86.9	30-150			
Surrogate: Decachlorobiphenyl [2C]	*2.25*		µg/L	2.00		113	30-150			
Surrogate: Tetrachloro-m-xylene	*1.89*		µg/L	2.00		94.5	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.87*		µg/L	2.00		93.3	30-150			
LCS Dup (B187381-BSD1)				Prepared: 09/29/17 Analyzed: 10/02/17						
Aroclor-1016	0.50	0.20	µg/L	0.500		100	40-140	4.98	20	
Aroclor-1016 [2C]	0.50	0.20	µg/L	0.500		100	40-140	4.53	20	
Aroclor-1260	0.45	0.20	µg/L	0.500		89.7	40-140	3.22	20	
Aroclor-1260 [2C]	0.50	0.20	µg/L	0.500		100	40-140	3.70	20	
Surrogate: Decachlorobiphenyl	*1.66*		µg/L	2.00		82.9	30-150			
Surrogate: Decachlorobiphenyl [2C]	*2.16*		µg/L	2.00		108	30-150			
Surrogate: Tetrachloro-m-xylene	*1.81*		µg/L	2.00		90.7	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.79*		µg/L	2.00		89.3	30-150			

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QUALITY CONTROL

SPLP - Polychlorinated Biphenyls By GC/ECD - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B187381 - SW-846 3510C										
Matrix Spike (B187381-MS1)		**Source: 17I1140-01**		Prepared: 09/29/17 Analyzed: 10/02/17						
Aroclor-1016	0.51	0.20	µg/L	0.500	ND	102	40-140			
Aroclor-1016 [2C]	0.51	0.20	µg/L	0.500	ND	103	40-140			
Aroclor-1260	0.55	0.20	µg/L	0.500	0.19	72.2	40-140			
Aroclor-1260 [2C]	0.65	0.20	µg/L	0.500	0.23	83.6	40-140			
Surrogate: Decachlorobiphenyl	*1.67*		µg/L	2.00		83.3	30-150			
Surrogate: Decachlorobiphenyl [2C]	*2.18*		µg/L	2.00		109	30-150			
Surrogate: Tetrachloro-m-xylene	*1.76*		µg/L	2.00		88.0	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.72*		µg/L	2.00		85.8	30-150			

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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.

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications

No certified Analyses included in this Report

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	09/30/2019
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	09/6/2018
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2018
NC-DW	North Carolina Department of Health	25703	07/31/2018

17I0463

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http://www.contestlabs.com

Doc # 381 Rev 0 5 8 2015

CHAIN OF CUS 17I1140

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	SVOCs	RSR's 15	VOCs	# of Containers	[2] Preservation Code	[3] Container Code
01	WS-AOC-10-30-31-2	9/12/17	1216		X	S	U	X	X			1	I	A
02	WS-AOC-10-30-31-3	↓	1217		↓	↓	↓	X			X	1	I	A
03	WS-AOC-10-30-30-1		1310					X		X		1	I	A
04	WS-AOC-10-30-30-2		1311					X				1	I	A
05	WS-AOC-10-30-30-3		1312					X			X	1	I	A
06	WS-AOC-10-30-25-1		1313					X				1	I	A
07	WS-AOC-10-30-25-2		1314					X				1	I	A
08	WS-AOC-10-30-25-3		1327					X				1	I	A
09	WS-AOC-10-30-8-1		1328					X		X		1	I	A
10	WS-AOC-10-30-8-2	↓	1329		↓	↓	↓	X				1	I	A

Comments:

Please hold excess volumes for possible SPLP analyses.

activated for SPLP PCB per email 9/25/17 JG

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: 9/12/17 1445
Received by: (signature)	Date/Time: 9/12/17 1445
Relinquished by: (signature)	Date/Time: 9/12/17 410
Received by: (signature) 4.7 C	Date/Time: 9/12/17 1610
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:

Limit Requirements
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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9/12/17 1610

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Email: info@contestlabs.com

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	PCB Soxhlet	ETPH	SVOCs	RSRs 15	VOCs																							
11	WS-AOC-10-50-8-3	9/12/17	1329		X	S	U	X				X																							
12	WS-AOC-10-50-7-1		1334					X	X																										
13	WS-AOC-10-50-7-2		1339					X																											
14	WS-AOC-10-50-7-3		1340					X																											
15	WS-AOC-10-50-11-1		1344					X		X																									
16	WS-AOC-10-50-11-2		1348					X																											
17	WS-AOC-10-50-11-3		1349					X																											
18	WS-AOC-10-50-10-1		1350					X			X																								
19	WS-AOC-10-50-10-2		1351					X																											
20	WS-AOC-10-50-10-3	↓	1352		↓	↓	↓	X																											

# of Containers	1																						
[2] Preservation Code	I																						
[3] Container Code	A																						

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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SL = Sludge
O = Other (please define) _____

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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: 9/12/17 1445
Received by: (signature)	Date/Time: 9/12/17 1445
Relinquished by: (signature)	Date/Time: 9/12/17 1610
Received by: (signature)	Date/Time: 9/12/17 1610
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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CHAIN OF CUSTODY RECORD

39 Spruce Street
East Longmeadow, MA 01028

Company Name:	Weston & Sampson Engineers
Address:	273 Dividend Rd Rcoky Hill, CT
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Project Name:	English Station
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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	VOC											# of Containers	[2] Preservation Code	[3] Container Code
21	WS-AOC-10-SO-13-1	9/12/17	1355		X	S	U	X												I	H	A
22	WS-AOC-10-SO-13-2	↓	1356		↓	↓	↓	X														
23	WS-AOC-10-SO-13-2		1357		↓			X														
24	Trip Blank	↓	—		↓	↓	↓		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) Trip blank

[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: 9/12/17 1445
Received by: (signature)	Date/Time: 9/12/17 1445
Relinquished by: (signature)	Date/Time: 9/12/17 1410
Received by: (signature) 47C	Date/Time: 9/12/17 1610
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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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 9/12/17 Time 1610

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 - 4.7°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~~ F
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? NA MS/MSD? NA
Proper Media/Containers Used? T Is splitting samples required? F
Were trip blanks received? T On COC? T
Do all samples have the proper pH? Acid NA Base NA

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.	
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear	22
Meoh-	4	250 mL Amb.		250 mL Plastic		4oz Amb/Clear	
Bisulfate-		Col./Bacteria		Flashpoint		2oz Amb/Clear	
DI-	8	Other Plastic		Other Glass		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock		9/12/17 1610	

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:

did not receive WS-ACC-10-50-25-3

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: 17I1140

Laboratory Sample ID(s):

17I1140-01

Sample Date(s):

09/12/2017

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:** **10/03/17**

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 25, 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: 17I0540

Enclosed are results of analyses for samples received by the laboratory on September 13, 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: 9/25/2017

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 2170495

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 17I0540

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-10-SO-45-1	17I0540-01	Soil		SM 2540G	
				SW-846 8082A	
WS-AOC-10-SO-45-2	17I0540-02	Soil		SM 2540G	
				SW-846 8082A	
WS-AOC-10-SO-45-3	17I0540-03	Soil		SM 2540G	
				SW-846 8082A	
WS-AOC-10-SO-42-1	17I0540-04	Soil		SM 2540G	
				SW-846 8082A	
WS-AOC-10-SO-42-2	17I0540-05	Soil		SM 2540G	
				SW-846 8082A	
WS-AOC-10-SO-42-3	17I0540-06	Soil		SM 2540G	
				SW-846 8082A	
WS-AOC-10-SO-41-1	17I0540-07	Soil		SM 2540G	
				SW-846 8082A	
WS-AOC-10-SO-41-2	17I0540-08	Soil		SM 2540G	
				SW-846 8082A	
WS-AOC-10-SO-41-3	17I0540-09	Soil		SM 2540G	
				SW-846 8082A	
WS-AOC-10-SO-43-1	17I0540-10	Soil		SM 2540G	
				SW-846 8082A	
WS-AOC-10-SO-43-2	17I0540-11	Soil		SM 2540G	
				SW-846 8082A	
WS-AOC-10-SO-43-3	17I0540-12	Soil		SM 2540G	
				SW-846 8082A	
WS-AOC-10-SO-25-3	17I0540-13	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.

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: 17I0540

Date Received: 9/13/2017

Field Sample #: WS-AOC-10-SO-45-1 Sampled: 9/13/2017 09:50

Sample ID: 17I0540-01

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	0.085	mg/Kg dry	4		SW-846 8082A	9/20/17	9/22/17 23:41	JMB
Aroclor-1221 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	9/20/17	9/22/17 23:41	JMB
Aroclor-1232 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	9/20/17	9/22/17 23:41	JMB
Aroclor-1242 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	9/20/17	9/22/17 23:41	JMB
Aroclor-1248 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	9/20/17	9/22/17 23:41	JMB
Aroclor-1254 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	9/20/17	9/22/17 23:41	JMB
Aroclor-1260 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	9/20/17	9/22/17 23:41	JMB
Aroclor-1262 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	9/20/17	9/22/17 23:41	JMB
Aroclor-1268 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	9/20/17	9/22/17 23:41	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	102	30-150		9/22/17 23:41
Decachlorobiphenyl [2]	114	30-150		9/22/17 23:41
Tetrachloro-m-xylene [1]	90.5	30-150		9/22/17 23:41
Tetrachloro-m-xylene [2]	96.8	30-150		9/22/17 23:41

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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: 17I0540

Date Received: 9/13/2017

Field Sample #: WS-AOC-10-SO-45-1 Sampled: 9/13/2017 09:50

Sample ID: 17I0540-01

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	92.0		% Wt	1		SM 2540G	9/20/17	9/21/17 9:38	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: 17I0540

Date Received: 9/13/2017

Field Sample #: WS-AOC-10-SO-45-2 Sampled: 9/13/2017 09:51

Sample ID: 17I0540-02

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	0.085	mg/Kg dry	4		SW-846 8082A	9/20/17	9/22/17 23:58	JMB
Aroclor-1221 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	9/20/17	9/22/17 23:58	JMB
Aroclor-1232 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	9/20/17	9/22/17 23:58	JMB
Aroclor-1242 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	9/20/17	9/22/17 23:58	JMB
Aroclor-1248 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	9/20/17	9/22/17 23:58	JMB
Aroclor-1254 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	9/20/17	9/22/17 23:58	JMB
Aroclor-1260 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	9/20/17	9/22/17 23:58	JMB
Aroclor-1262 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	9/20/17	9/22/17 23:58	JMB
Aroclor-1268 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	9/20/17	9/22/17 23:58	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	98.9	30-150		9/22/17 23:58
Decachlorobiphenyl [2]	111	30-150		9/22/17 23:58
Tetrachloro-m-xylene [1]	80.1	30-150		9/22/17 23:58
Tetrachloro-m-xylene [2]	83.8	30-150		9/22/17 23:58

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: 17I0540

Date Received: 9/13/2017

Field Sample #: WS-AOC-10-SO-45-2 Sampled: 9/13/2017 09:51

Sample ID: 17I0540-02

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	91.3		% Wt	1		SM 2540G	9/20/17	9/21/17 9:38	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: 17I0540

Date Received: 9/13/2017

Field Sample #: WS-AOC-10-SO-45-3 Sampled: 9/13/2017 09:52

Sample ID: 17I0540-03

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	0.085	mg/Kg dry	4		SW-846 8082A	9/20/17	9/23/17 0:15	JMB
Aroclor-1221 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	9/20/17	9/23/17 0:15	JMB
Aroclor-1232 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	9/20/17	9/23/17 0:15	JMB
Aroclor-1242 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	9/20/17	9/23/17 0:15	JMB
Aroclor-1248 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	9/20/17	9/23/17 0:15	JMB
Aroclor-1254 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	9/20/17	9/23/17 0:15	JMB
Aroclor-1260 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	9/20/17	9/23/17 0:15	JMB
Aroclor-1262 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	9/20/17	9/23/17 0:15	JMB
Aroclor-1268 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	9/20/17	9/23/17 0:15	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	103	30-150		9/23/17 0:15
Decachlorobiphenyl [2]	116	30-150		9/23/17 0:15
Tetrachloro-m-xylene [1]	89.4	30-150		9/23/17 0:15
Tetrachloro-m-xylene [2]	98.9	30-150		9/23/17 0:15

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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: 17I0540

Date Received: 9/13/2017

Field Sample #: WS-AOC-10-SO-45-3 Sampled: 9/13/2017 09:52

Sample ID: 17I0540-03

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	91.9		% Wt	1		SM 2540G	9/20/17	9/21/17 9:38	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: 17I0540

Date Received: 9/13/2017

Field Sample #: WS-AOC-10-SO-42-1 Sampled: 9/13/2017 09:53

Sample ID: 17I0540-04

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	0.077	mg/Kg dry	4		SW-846 8082A	9/20/17	9/23/17 0:33	JMB
Aroclor-1221 [1]	ND	0.077	mg/Kg dry	4		SW-846 8082A	9/20/17	9/23/17 0:33	JMB
Aroclor-1232 [1]	ND	0.077	mg/Kg dry	4		SW-846 8082A	9/20/17	9/23/17 0:33	JMB
Aroclor-1242 [1]	ND	0.077	mg/Kg dry	4		SW-846 8082A	9/20/17	9/23/17 0:33	JMB
Aroclor-1248 [1]	ND	0.077	mg/Kg dry	4		SW-846 8082A	9/20/17	9/23/17 0:33	JMB
Aroclor-1254 [1]	ND	0.077	mg/Kg dry	4		SW-846 8082A	9/20/17	9/23/17 0:33	JMB
Aroclor-1260 [1]	ND	0.077	mg/Kg dry	4		SW-846 8082A	9/20/17	9/23/17 0:33	JMB
Aroclor-1262 [1]	ND	0.077	mg/Kg dry	4		SW-846 8082A	9/20/17	9/23/17 0:33	JMB
Aroclor-1268 [1]	ND	0.077	mg/Kg dry	4		SW-846 8082A	9/20/17	9/23/17 0:33	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	96.6	30-150		9/23/17 0:33
Decachlorobiphenyl [2]	109	30-150		9/23/17 0:33
Tetrachloro-m-xylene [1]	85.4	30-150		9/23/17 0:33
Tetrachloro-m-xylene [2]	95.5	30-150		9/23/17 0:33

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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: 17I0540

Date Received: 9/13/2017

Field Sample #: WS-AOC-10-SO-42-1 Sampled: 9/13/2017 09:53

Sample ID: 17I0540-04

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	98.1		% Wt	1		SM 2540G	9/20/17	9/21/17 9:38	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: 17I0540

Date Received: 9/13/2017

Field Sample #: WS-AOC-10-SO-42-2 Sampled: 9/13/2017 09:54

Sample ID: 17I0540-05

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	0.085	mg/Kg dry	4		SW-846 8082A	9/20/17	9/23/17 0:50	JMB
Aroclor-1221 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	9/20/17	9/23/17 0:50	JMB
Aroclor-1232 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	9/20/17	9/23/17 0:50	JMB
Aroclor-1242 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	9/20/17	9/23/17 0:50	JMB
Aroclor-1248 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	9/20/17	9/23/17 0:50	JMB
Aroclor-1254 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	9/20/17	9/23/17 0:50	JMB
Aroclor-1260 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	9/20/17	9/23/17 0:50	JMB
Aroclor-1262 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	9/20/17	9/23/17 0:50	JMB
Aroclor-1268 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	9/20/17	9/23/17 0:50	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	110	30-150		9/23/17 0:50
Decachlorobiphenyl [2]	124	30-150		9/23/17 0:50
Tetrachloro-m-xylene [1]	93.2	30-150		9/23/17 0:50
Tetrachloro-m-xylene [2]	103	30-150		9/23/17 0:50

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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: 17I0540

Date Received: 9/13/2017

Field Sample #: WS-AOC-10-SO-42-2 Sampled: 9/13/2017 09:54

Sample ID: 17I0540-05

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	92.2		% Wt	1		SM 2540G	9/20/17	9/21/17 9:38	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: 17I0540

Date Received: 9/13/2017

Field Sample #: WS-AOC-10-SO-42-3 Sampled: 9/13/2017 09:55

Sample ID: 17I0540-06

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	0.089	mg/Kg dry	4		SW-846 8082A	9/20/17	9/23/17 1:08	JMB
Aroclor-1221 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	9/20/17	9/23/17 1:08	JMB
Aroclor-1232 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	9/20/17	9/23/17 1:08	JMB
Aroclor-1242 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	9/20/17	9/23/17 1:08	JMB
Aroclor-1248 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	9/20/17	9/23/17 1:08	JMB
Aroclor-1254 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	9/20/17	9/23/17 1:08	JMB
Aroclor-1260 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	9/20/17	9/23/17 1:08	JMB
Aroclor-1262 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	9/20/17	9/23/17 1:08	JMB
Aroclor-1268 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	9/20/17	9/23/17 1:08	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	101	30-150		9/23/17 1:08
Decachlorobiphenyl [2]	114	30-150		9/23/17 1:08
Tetrachloro-m-xylene [1]	87.3	30-150		9/23/17 1:08
Tetrachloro-m-xylene [2]	95.2	30-150		9/23/17 1:08

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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: 17I0540

Date Received: 9/13/2017

Field Sample #: WS-AOC-10-SO-42-3 Sampled: 9/13/2017 09:55

Sample ID: 17I0540-06

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	89.1		% Wt	1		SM 2540G	9/20/17	9/21/17 9:38	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: 17I0540

Date Received: 9/13/2017

Field Sample #: WS-AOC-10-SO-41-1 Sampled: 9/13/2017 10:03

Sample ID: 17I0540-07

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	0.085	mg/Kg dry	4		SW-846 8082A	9/20/17	9/23/17 1:25	JMB
Aroclor-1221 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	9/20/17	9/23/17 1:25	JMB
Aroclor-1232 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	9/20/17	9/23/17 1:25	JMB
Aroclor-1242 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	9/20/17	9/23/17 1:25	JMB
Aroclor-1248 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	9/20/17	9/23/17 1:25	JMB
Aroclor-1254 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	9/20/17	9/23/17 1:25	JMB
Aroclor-1260 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	9/20/17	9/23/17 1:25	JMB
Aroclor-1262 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	9/20/17	9/23/17 1:25	JMB
Aroclor-1268 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	9/20/17	9/23/17 1:25	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	90.1	30-150		9/23/17 1:25
Decachlorobiphenyl [2]	101	30-150		9/23/17 1:25
Tetrachloro-m-xylene [1]	83.2	30-150		9/23/17 1:25
Tetrachloro-m-xylene [2]	90.6	30-150		9/23/17 1:25

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: 17I0540

Date Received: 9/13/2017

Field Sample #: WS-AOC-10-SO-41-1 Sampled: 9/13/2017 10:03

Sample ID: 17I0540-07

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	92.1		% Wt	1		SM 2540G	9/20/17	9/21/17 9:38	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: 17I0540

Date Received: 9/13/2017

Field Sample #: WS-AOC-10-SO-41-2 Sampled: 9/13/2017 10:04

Sample ID: 17I0540-08

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	0.088	mg/Kg dry	4		SW-846 8082A	9/20/17	9/23/17 1:43	JMB
Aroclor-1221 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	9/20/17	9/23/17 1:43	JMB
Aroclor-1232 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	9/20/17	9/23/17 1:43	JMB
Aroclor-1242 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	9/20/17	9/23/17 1:43	JMB
Aroclor-1248 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	9/20/17	9/23/17 1:43	JMB
Aroclor-1254 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	9/20/17	9/23/17 1:43	JMB
Aroclor-1260 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	9/20/17	9/23/17 1:43	JMB
Aroclor-1262 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	9/20/17	9/23/17 1:43	JMB
Aroclor-1268 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	9/20/17	9/23/17 1:43	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	94.0	30-150		9/23/17 1:43
Decachlorobiphenyl [2]	106	30-150		9/23/17 1:43
Tetrachloro-m-xylene [1]	83.4	30-150		9/23/17 1:43
Tetrachloro-m-xylene [2]	90.0	30-150		9/23/17 1:43

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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: 17I0540

Date Received: 9/13/2017

Field Sample #: WS-AOC-10-SO-41-2 Sampled: 9/13/2017 10:04

Sample ID: 17I0540-08

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	90.7		% Wt	1		SM 2540G	9/20/17	9/21/17 9:38	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: 17I0540

Date Received: 9/13/2017

Field Sample #: WS-AOC-10-SO-41-3 Sampled: 9/13/2017 10:05

Sample ID: 17I0540-09

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	0.087	mg/Kg dry	4		SW-846 8082A	9/20/17	9/23/17 4:24	JMB
Aroclor-1221 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	9/20/17	9/23/17 4:24	JMB
Aroclor-1232 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	9/20/17	9/23/17 4:24	JMB
Aroclor-1242 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	9/20/17	9/23/17 4:24	JMB
Aroclor-1248 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	9/20/17	9/23/17 4:24	JMB
Aroclor-1254 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	9/20/17	9/23/17 4:24	JMB
Aroclor-1260 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	9/20/17	9/23/17 4:24	JMB
Aroclor-1262 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	9/20/17	9/23/17 4:24	JMB
Aroclor-1268 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	9/20/17	9/23/17 4:24	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	99.2	30-150		9/23/17 4:24
Decachlorobiphenyl [2]	113	30-150		9/23/17 4:24
Tetrachloro-m-xylene [1]	88.0	30-150		9/23/17 4:24
Tetrachloro-m-xylene [2]	94.7	30-150		9/23/17 4:24

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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: 17I0540

Date Received: 9/13/2017

Field Sample #: WS-AOC-10-SO-41-3 Sampled: 9/13/2017 10:05

Sample ID: 17I0540-09

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	90.3		% Wt	1		SM 2540G	9/20/17	9/21/17 9:38	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: 17I0540

Date Received: 9/13/2017

Field Sample #: WS-AOC-10-SO-43-1 Sampled: 9/13/2017 10:07

Sample ID: 17I0540-10

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	0.085	mg/Kg dry	4		SW-846 8082A	9/20/17	9/23/17 4:42	JMB
Aroclor-1221 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	9/20/17	9/23/17 4:42	JMB
Aroclor-1232 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	9/20/17	9/23/17 4:42	JMB
Aroclor-1242 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	9/20/17	9/23/17 4:42	JMB
Aroclor-1248 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	9/20/17	9/23/17 4:42	JMB
Aroclor-1254 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	9/20/17	9/23/17 4:42	JMB
Aroclor-1260 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	9/20/17	9/23/17 4:42	JMB
Aroclor-1262 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	9/20/17	9/23/17 4:42	JMB
Aroclor-1268 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	9/20/17	9/23/17 4:42	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	98.9	30-150		9/23/17 4:42
Decachlorobiphenyl [2]	112	30-150		9/23/17 4:42
Tetrachloro-m-xylene [1]	89.3	30-150		9/23/17 4:42
Tetrachloro-m-xylene [2]	94.6	30-150		9/23/17 4:42

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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: 17I0540

Date Received: 9/13/2017

Field Sample #: WS-AOC-10-SO-43-1 Sampled: 9/13/2017 10:07

Sample ID: 17I0540-10

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	92.6		% Wt	1		SM 2540G	9/20/17	9/21/17 9:38	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: 17I0540

Date Received: 9/13/2017

Field Sample #: WS-AOC-10-SO-43-2 Sampled: 9/13/2017 10:08

Sample ID: 17I0540-11

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	0.083	mg/Kg dry	4		SW-846 8082A	9/20/17	9/23/17 4:59	JMB
Aroclor-1221 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	9/20/17	9/23/17 4:59	JMB
Aroclor-1232 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	9/20/17	9/23/17 4:59	JMB
Aroclor-1242 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	9/20/17	9/23/17 4:59	JMB
Aroclor-1248 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	9/20/17	9/23/17 4:59	JMB
Aroclor-1254 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	9/20/17	9/23/17 4:59	JMB
Aroclor-1260 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	9/20/17	9/23/17 4:59	JMB
Aroclor-1262 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	9/20/17	9/23/17 4:59	JMB
Aroclor-1268 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	9/20/17	9/23/17 4:59	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	102	30-150		9/23/17 4:59
Decachlorobiphenyl [2]	115	30-150		9/23/17 4:59
Tetrachloro-m-xylene [1]	89.5	30-150		9/23/17 4:59
Tetrachloro-m-xylene [2]	94.0	30-150		9/23/17 4:59

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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: 17I0540

Date Received: 9/13/2017

Field Sample #: WS-AOC-10-SO-43-2 Sampled: 9/13/2017 10:08

Sample ID: 17I0540-11

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	92.4		% Wt	1		SM 2540G	9/20/17	9/21/17 9:38	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: 17I0540

Date Received: 9/13/2017

Field Sample #: WS-AOC-10-SO-43-3 Sampled: 9/13/2017 10:09

Sample ID: 17I0540-12

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	0.095	mg/Kg dry	4		SW-846 8082A	9/20/17	9/23/17 5:17	JMB
Aroclor-1221 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	9/20/17	9/23/17 5:17	JMB
Aroclor-1232 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	9/20/17	9/23/17 5:17	JMB
Aroclor-1242 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	9/20/17	9/23/17 5:17	JMB
Aroclor-1248 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	9/20/17	9/23/17 5:17	JMB
Aroclor-1254 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	9/20/17	9/23/17 5:17	JMB
Aroclor-1260 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	9/20/17	9/23/17 5:17	JMB
Aroclor-1262 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	9/20/17	9/23/17 5:17	JMB
Aroclor-1268 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	9/20/17	9/23/17 5:17	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	102	30-150		9/23/17 5:17
Decachlorobiphenyl [2]	115	30-150		9/23/17 5:17
Tetrachloro-m-xylene [1]	89.6	30-150		9/23/17 5:17
Tetrachloro-m-xylene [2]	95.3	30-150		9/23/17 5:17

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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: 17I0540

Date Received: 9/13/2017

Field Sample #: WS-AOC-10-SO-43-3 Sampled: 9/13/2017 10:09

Sample ID: 17I0540-12

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	83.1		% Wt	1		SM 2540G	9/20/17	9/21/17 9:38	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: 17I0540

Date Received: 9/13/2017

Field Sample #: WS-AOC-10-SO-25-3 Sampled: 9/13/2017 11:02

Sample ID: 17I0540-13

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	0.095	mg/Kg dry	4		SW-846 8082A	9/20/17	9/23/17 5:34	JMB
Aroclor-1221 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	9/20/17	9/23/17 5:34	JMB
Aroclor-1232 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	9/20/17	9/23/17 5:34	JMB
Aroclor-1242 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	9/20/17	9/23/17 5:34	JMB
Aroclor-1248 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	9/20/17	9/23/17 5:34	JMB
Aroclor-1254 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	9/20/17	9/23/17 5:34	JMB
Aroclor-1260 [2]	0.11	0.095	mg/Kg dry	4		SW-846 8082A	9/20/17	9/23/17 5:34	JMB
Aroclor-1262 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	9/20/17	9/23/17 5:34	JMB
Aroclor-1268 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	9/20/17	9/23/17 5:34	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	74.2	30-150		9/23/17 5:34
Decachlorobiphenyl [2]	91.2	30-150		9/23/17 5:34
Tetrachloro-m-xylene [1]	80.4	30-150		9/23/17 5:34
Tetrachloro-m-xylene [2]	79.1	30-150		9/23/17 5:34

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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: 17I0540

Date Received: 9/13/2017

Field Sample #: WS-AOC-10-SO-25-3 Sampled: 9/13/2017 11:02

Sample ID: 17I0540-13

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	79.8		% Wt	1		SM 2540G	9/20/17	9/21/17 9:38	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: % Solids-SM 2540G

Lab Number [Field ID]	Batch	Date
17I0540-01 [WS-AOC-10-SO-45-1]	B186663	09/20/17
17I0540-02 [WS-AOC-10-SO-45-2]	B186663	09/20/17
17I0540-03 [WS-AOC-10-SO-45-3]	B186663	09/20/17
17I0540-04 [WS-AOC-10-SO-42-1]	B186663	09/20/17
17I0540-05 [WS-AOC-10-SO-42-2]	B186663	09/20/17
17I0540-06 [WS-AOC-10-SO-42-3]	B186663	09/20/17
17I0540-07 [WS-AOC-10-SO-41-1]	B186663	09/20/17
17I0540-08 [WS-AOC-10-SO-41-2]	B186663	09/20/17
17I0540-09 [WS-AOC-10-SO-41-3]	B186663	09/20/17
17I0540-10 [WS-AOC-10-SO-43-1]	B186663	09/20/17
17I0540-11 [WS-AOC-10-SO-43-2]	B186663	09/20/17
17I0540-12 [WS-AOC-10-SO-43-3]	B186663	09/20/17
17I0540-13 [WS-AOC-10-SO-25-3]	B186663	09/20/17

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17I0540-01 [WS-AOC-10-SO-45-1]	B186715	10.2	10.0	09/20/17
17I0540-02 [WS-AOC-10-SO-45-2]	B186715	10.3	10.0	09/20/17
17I0540-03 [WS-AOC-10-SO-45-3]	B186715	10.3	10.0	09/20/17
17I0540-04 [WS-AOC-10-SO-42-1]	B186715	10.6	10.0	09/20/17
17I0540-05 [WS-AOC-10-SO-42-2]	B186715	10.2	10.0	09/20/17
17I0540-06 [WS-AOC-10-SO-42-3]	B186715	10.1	10.0	09/20/17
17I0540-07 [WS-AOC-10-SO-41-1]	B186715	10.2	10.0	09/20/17
17I0540-08 [WS-AOC-10-SO-41-2]	B186715	10.0	10.0	09/20/17
17I0540-09 [WS-AOC-10-SO-41-3]	B186715	10.2	10.0	09/20/17
17I0540-10 [WS-AOC-10-SO-43-1]	B186715	10.2	10.0	09/20/17
17I0540-11 [WS-AOC-10-SO-43-2]	B186715	10.4	10.0	09/20/17
17I0540-12 [WS-AOC-10-SO-43-3]	B186715	10.1	10.0	09/20/17
17I0540-13 [WS-AOC-10-SO-25-3]	B186715	10.5	10.0	09/20/17

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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 B186715 - SW-846 3540C										
Blank (B186715-BLK1)				Prepared: 09/20/17 Analyzed: 09/22/17						
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	*0.210*		mg/Kg wet	0.200		105	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.187*		mg/Kg wet	0.200		93.5	30-150			
Surrogate: Tetrachloro-m-xylene	*0.187*		mg/Kg wet	0.200		93.6	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.141*		mg/Kg wet	0.200		70.3	30-150			
LCS (B186715-BS1)				Prepared: 09/20/17 Analyzed: 09/22/17						
Aroclor-1016	0.19	0.020	mg/Kg wet	0.200		94.2	40-140			
Aroclor-1016 [2C]	0.18	0.020	mg/Kg wet	0.200		91.1	40-140			
Aroclor-1260	0.19	0.020	mg/Kg wet	0.200		96.2	40-140			
Aroclor-1260 [2C]	0.20	0.020	mg/Kg wet	0.200		99.1	40-140			
Surrogate: Decachlorobiphenyl	*0.243*		mg/Kg wet	0.200		121	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.201*		mg/Kg wet	0.200		101	30-150			
Surrogate: Tetrachloro-m-xylene	*0.215*		mg/Kg wet	0.200		108	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.149*		mg/Kg wet	0.200		74.7	30-150			
LCS Dup (B186715-BSD1)				Prepared: 09/20/17 Analyzed: 09/22/17						
Aroclor-1016	0.16	0.020	mg/Kg wet	0.200		82.4	40-140	13.4	30	
Aroclor-1016 [2C]	0.16	0.020	mg/Kg wet	0.200		79.0	40-140	14.3	30	
Aroclor-1260	0.17	0.020	mg/Kg wet	0.200		86.2	40-140	11.0	30	
Aroclor-1260 [2C]	0.18	0.020	mg/Kg wet	0.200		88.9	40-140	10.9	30	
Surrogate: Decachlorobiphenyl	*0.235*		mg/Kg wet	0.200		117	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.197*		mg/Kg wet	0.200		98.4	30-150			
Surrogate: Tetrachloro-m-xylene	*0.199*		mg/Kg wet	0.200		99.3	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.139*		mg/Kg wet	0.200		69.7	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 B186715 - SW-846 3540C										
Matrix Spike (B186715-MS1)		**Source: 17I0540-01**		Prepared: 09/20/17 Analyzed: 09/23/17						
Aroclor-1016	0.21	0.085	mg/Kg dry	0.213	ND	99.5	40-140			
Aroclor-1016 [2C]	0.21	0.085	mg/Kg dry	0.213	ND	96.8	40-140			
Aroclor-1260	0.20	0.085	mg/Kg dry	0.213	ND	94.6	40-140			
Aroclor-1260 [2C]	0.22	0.085	mg/Kg dry	0.213	ND	101	40-140			
Surrogate: Decachlorobiphenyl	*0.212*		mg/Kg dry	0.213		99.5	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.238*		mg/Kg dry	0.213		112	30-150			
Surrogate: Tetrachloro-m-xylene	*0.183*		mg/Kg dry	0.213		85.8	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.200*		mg/Kg dry	0.213		93.8	30-150			
Matrix Spike Dup (B186715-MSD1)		**Source: 17I0540-01**		Prepared: 09/20/17 Analyzed: 09/23/17						
Aroclor-1016	0.21	0.085	mg/Kg dry	0.213	ND	98.4	40-140	1.13	50	
Aroclor-1016 [2C]	0.21	0.085	mg/Kg dry	0.213	ND	96.7	40-140	0.103	50	
Aroclor-1260	0.21	0.085	mg/Kg dry	0.213	ND	96.8	40-140	2.31	50	
Aroclor-1260 [2C]	0.22	0.085	mg/Kg dry	0.213	ND	102	40-140	1.33	50	
Surrogate: Decachlorobiphenyl	*0.215*		mg/Kg dry	0.213		101	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.242*		mg/Kg dry	0.213		113	30-150			
Surrogate: Tetrachloro-m-xylene	*0.184*		mg/Kg dry	0.213		86.5	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.199*		mg/Kg dry	0.213		93.2	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 B186663 - % Solids										
Duplicate (B186663-DUP1)		**Source: 17I0540-01**		Prepared: 09/20/17 Analyzed: 09/21/17						
% Solids	90.9		% Wt		92.0			1.20	20	
Duplicate (B186663-DUP2)		**Source: 17I0540-02**		Prepared: 09/20/17 Analyzed: 09/21/17						
% Solids	91.5		% Wt		91.3			0.219	20	
Duplicate (B186663-DUP3)		**Source: 17I0540-03**		Prepared: 09/20/17 Analyzed: 09/21/17						
% Solids	88.4		% Wt		91.9			3.88	20	

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC-10-SO-25-3

Lab Sample ID: 17I0540-13

Date(s) Analyzed: 09/23/2017 09/23/2017

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	0.11	
	2	0.000	-0.030	0.030	0.11	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.

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
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