



con-test[®]
ANALYTICAL LABORATORY

Phone: 413-525-2332
Fax: 413-525-6405

Email: info@contestlabs.com

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 Sirotiak

Doc # 381 Rev 0 5 8 2015

39 Spruce Street
East Longmeadow, MA 01028

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CHAIN OF CUSTODY RECORD

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

(Soxhlet) PCB

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	Matrix Code	Conc Code
01	WS-AOC12W-60-116	8/1/17	14:50		X	O	
02	WS-AOC12W-60-117		14:55				
03	WS-AOC12W-60-118		14:40				
04	WS-AOC12W-60-119		14:35				
05	WS-AOC12W-60-120		14:30				

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:	Detection Limit Requirements
	8/1/17 15:25	MA
Received by: (signature)	Date/Time:	
	8/1/17 15:56	
Relinquished by: (signature)	Date/Time:	
	8/1/17 15:58	CT
Received by: (signature)	Date/Time:	
	8/1/17 17:00	RES DEC
Relinquished by: (signature)	Date/Time:	
	8/1/17 17:00	Other

Program Information

☐ MCP Analytical Certification Form Required
☒ RCP Analytical Certification Form Required
☐ MA State DW Form Required

PWSID # 8/1/17 1700
 NELAC and AHA-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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ANALYTICAL LABORATORY

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Weston & Sampson Engineers

273 Dividend Rd Rcoky Hill, CT

860 513-1473

English Station

510 Grand Ave, New Haven, CT

2170495

Malcolm Beeber

.....

Malcolm Beeler (Weston & Sampson)

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:	beeler@wvseinc.com
Fax To #:	

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	Matrix Code	Conc Code
029	WS-AOC9-SO-DUP-39	8/11/17			X	S	U
027	WS-AOC3-SO-DUP-40						
028	WS-AOC9-SO-DUP-41						
029	WS-AOC9-SO-DUP-42						
110	WS-AOC9-SO-DUP-43						
111	WS-AOC9-SO-DUP-44						

Comments:	Please hold excess volumes for possible SPLP analyses.	Relinquished by: (signature) Received by: (signature) Relinquished by: (signature) Received by: (signature) 3.9	Date/Time: 8/1/7 1700	Date/Time: 8/1/7 1700	Date/Time: 8/1/7 1700	Date/Time: 8/1/7 1700
			MA	CT	Other	
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		Detection Limit Requirements				
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		Program Information				
MCP Analytical Certification Form Required RCP Analysis Certification Form Required MA State DW Form Required		PWSID # 8/1/7 1700				
NELAC and AIHA-LAP, LLC Accredited		8/1/7 1700				

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

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East Longmeadow, MA. 01028
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F: 413-525-6405
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ANALYTICAL LABORATORY

Doc# 277 Rev 5 2017

Login Sample Receipt Checklist - (Rejection Criteria Listing - Using Acceptance Policy) Any False

Statement will be brought to the attention of the Client - State True or False

Client Weston & Sampson
 Received By JM Date 8/1/17 Time 1200
 How were the samples received? In Cooler T No Cooler On Ice T No Ice
 Direct from Sampling Ambient Melted Ice
 Were samples within Temperature? 2-6°C T By Gun # 1 Actual Temp - 3.9, 2.8, 3.2
 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 Client T Analysis T Sampler Name T
 pertinent Information? Project T ID's T Collection Dates/Times T
 Are Sample labels filled out and legible? T
 Are there Lab to Filters? N/A Who was notified?
 Are there Rushes? N/A Who was notified?
 Are there Short Holds? N/A Who was notified?
 Is there enough Volume? T
 Is there Headspace where applicable? N/A MS/MSD? N/A
 Proper Media/Containers Used? T Is splitting samples required? N/A
 Were trip blanks received? N/A On COC? N/A
 Do all samples have the proper pH? N/A Acid Base

Vials	#	Containers:	#	#	#	#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear
Meoh-	1	250 mL Amb.		250 mL Plastic		4oz Amb/Clear
Bisulfate-		Col./Bacteria		Flashpoint		2oz Amb/Clear
DI-	2	Other Plastic		Other Glass		Encore
Thiosulfate-		SOC Kit		Plastic Bag		Frozen: 8/1/17 1200
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\A081017.SEC\A0810007.D

CT ETPH DISCRIMINATION CHECK

Date Acquired 8/10/17
 Data File Name A0810007.D
 Sample Name ETPH 1500
 Instrument Name 5890DFID

Compound	Ret Time	Target Response	Average Response	*%D +/- 20
c - 9	1.28	549789	587403	-6
c - 10	1.63	570796	587403	-3
c - 12	2.35	588096	587403	0
c - 14	3.01	598274	587403	2
c - 16	3.62	610876	587403	4
c - 18	4.23	602897	587403	3
o-Terphenyl	4.51	673282	587403	
c - 20	4.84	609692	587403	4
c - 22	5.34	618889	587403	5
c - 24	5.78	575484	587403	-2
c - 26	6.17	603193	587403	3
c - 28	6.53	591414	587403	1
c - 30	6.86	587541	587403	0
c - 32	7.17	570324	587403	-3
c - 34	7.46	568452	587403	-3
c - 36	7.78	565330	587403	-4

* One compound allowed %D <= 50%

Samples

17H0066-01RE1
 17H0066-02RE1

D:\HPCHEM\1\DATA\A081017\A0810006.D

CT ETPH DISCRIMINATION CHECK

Date Acquired 8/10/17
 Data File Name A0810006.D
 Sample Name ETPH 1500
 Instrument Name 5890DFID

Compound	Ret Time	Target Response	Average Response	***D +/- 20
c - 9	1.29	431989	461906	-6
c - 10	1.64	447601	461906	-3
c - 12	2.37	460504	461906	0
c - 14	3.05	469314	461906	2
c - 16	3.66	480138	461906	4
c - 18	4.29	474119	461906	3
o-Terphenyl	4.57	522769	461906	
c - 20	4.90	477615	461906	3
c - 22	5.40	480223	461906	4
c - 24	5.84	443377	461906	-4
c - 26	6.24	463794	461906	0
c - 28	6.60	458650	461906	-1
c - 30	6.93	461551	461906	0
c - 32	7.25	457112	461906	-1
c - 34	7.54	461242	461906	0
c - 36	7.90	461367	461906	0

* One compound allowed %D <= 50%

Samples

17H0058-12
 17H0058-13
 17H0059-06
 17H0059-07
 17H0059-11
 17H0059-14
 17H0059-17
 17H0059-05
 17H0058-06@5X
 17H0058-08@5X
 17H0058-18@5X
 17H0059-03@5X
 17H0064-07



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: 17H0064

Laboratory Sample ID(s):

17H0064-01 thru 17H0064-11

Sample Date(s):

08/01/2017

List RCP Methods Used:

CTDEP ETPH, SW-846 6010C-D, 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:
Position: Project Manager
Printed Name: Lisa A. Worthington
Date: 08/25/17
Name of Laboratory: Con-Test Analytical Laboratory

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

August 21, 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: 17H0112

Enclosed are results of analyses for samples received by the laboratory on August 2, 2017. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink, appearing to read "James Georgantas", with a long, sweeping horizontal line extending to the right.

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: 8/21/2017

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 2170495

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 17H0112

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

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

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
WS-AOC-12E-AS-44	17H0112-01	Product/Solid		SW-846 8082A	
WS-AOC-12E-AS-33	17H0112-02	Product/Solid		SW-846 8082A	
WS-AOC-12E-AS-28	17H0112-03	Product/Solid		SW-846 8082A	
WS-AOC-12E-AS-20	17H0112-04	Product/Solid		SW-846 8082A	
WS-AOC-12E-AS-46	17H0112-05	Product/Solid		SW-846 8082A	
WS-AOC-12E-AS-32	17H0112-06	Product/Solid		SW-846 8082A	
WS-AOC-12E-AS-29	17H0112-07	Product/Solid		SW-846 8082A	
WS-AOC-12E-AS-22	17H0112-08	Product/Solid		SW-846 8082A	
WS-AOC-12E-AS-47	17H0112-09	Product/Solid		SW-846 8082A	
WS-AOC-12E-AS-34	17H0112-10	Product/Solid		SW-846 8082A	
WS-AOC-12E-AS-Dup5	17H0112-11	Product/Solid		SW-846 8082A	
WS-AOC-12E-AS-50	17H0112-12	Product/Solid		SW-846 8082A	
WS-AOC-12E-AS-36	17H0112-13	Product/Solid		SW-846 8082A	
WS-AOC-12E-AS-30	17H0112-14	Product/Solid		SW-846 8082A	
WS-AOC12E-AS-23	17H0112-15	Product/Solid		SW-846 8082A	
WS-AOC-12E-AS-53	17H0112-16	Product/Solid		SW-846 8082A	
WS-AOC-12E-AS-40	17H0112-17	Product/Solid		SW-846 8082A	
WS-AOC-12E-AS-26	17H0112-18	Product/Solid		SW-846 8082A	
WS-AOC-12E-AS-38	17H0112-19	Product/Solid		SW-846 8082A	
WS-AOC-12E-AS-43	17H0112-20	Product/Solid		SW-846 8082A	

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.

A handwritten signature in black ink, appearing to read "Lisa Worthington", is written over a light pink rectangular background.

Lisa A. Worthington
Project Manager

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

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

Sample Description:

Work Order: 17H0112

Date Received: 8/2/2017

Field Sample #: WS-AOC-12E-AS-44

Sampled: 8/2/2017 13:59

Sample ID: 17H0112-01

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	0.49	mg/Kg	5		SW-846 8082A	8/11/17	8/18/17 21:38	TG
Aroclor-1221 [1]	ND	0.49	mg/Kg	5		SW-846 8082A	8/11/17	8/18/17 21:38	TG
Aroclor-1232 [1]	ND	0.49	mg/Kg	5		SW-846 8082A	8/11/17	8/18/17 21:38	TG
Aroclor-1242 [1]	ND	0.49	mg/Kg	5		SW-846 8082A	8/11/17	8/18/17 21:38	TG
Aroclor-1248 [1]	ND	0.49	mg/Kg	5		SW-846 8082A	8/11/17	8/18/17 21:38	TG
Aroclor-1254 [1]	ND	0.49	mg/Kg	5		SW-846 8082A	8/11/17	8/18/17 21:38	TG
Aroclor-1260 [1]	ND	0.49	mg/Kg	5		SW-846 8082A	8/11/17	8/18/17 21:38	TG
Aroclor-1262 [1]	ND	0.49	mg/Kg	5		SW-846 8082A	8/11/17	8/18/17 21:38	TG
Aroclor-1268 [1]	ND	0.49	mg/Kg	5		SW-846 8082A	8/11/17	8/18/17 21:38	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	104	30-150							
Decachlorobiphenyl [2]	109	30-150							
Tetrachloro-m-xylene [1]	106	30-150							
Tetrachloro-m-xylene [2]	114	30-150							

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

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

Sample Description:

Work Order: 17H0112

Date Received: 8/2/2017

Field Sample #: WS-AOC-12E-AS-33

Sampled: 8/2/2017 14:25

Sample ID: 17H0112-02

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	0.46	mg/Kg	5		SW-846 8082A	8/11/17	8/18/17 21:56	TG
Aroclor-1221 [1]	ND	0.46	mg/Kg	5		SW-846 8082A	8/11/17	8/18/17 21:56	TG
Aroclor-1232 [1]	ND	0.46	mg/Kg	5		SW-846 8082A	8/11/17	8/18/17 21:56	TG
Aroclor-1242 [1]	ND	0.46	mg/Kg	5		SW-846 8082A	8/11/17	8/18/17 21:56	TG
Aroclor-1248 [1]	ND	0.46	mg/Kg	5		SW-846 8082A	8/11/17	8/18/17 21:56	TG
Aroclor-1254 [1]	ND	0.46	mg/Kg	5		SW-846 8082A	8/11/17	8/18/17 21:56	TG
Aroclor-1260 [1]	ND	0.46	mg/Kg	5		SW-846 8082A	8/11/17	8/18/17 21:56	TG
Aroclor-1262 [1]	ND	0.46	mg/Kg	5		SW-846 8082A	8/11/17	8/18/17 21:56	TG
Aroclor-1268 [1]	ND	0.46	mg/Kg	5		SW-846 8082A	8/11/17	8/18/17 21:56	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	95.7	30-150							
Decachlorobiphenyl [2]	104	30-150							
Tetrachloro-m-xylene [1]	100	30-150							
Tetrachloro-m-xylene [2]	108	30-150							

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

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

Sample Description:

Work Order: 17H0112

Date Received: 8/2/2017

Field Sample #: WS-AOC-12E-AS-28

Sampled: 8/2/2017 13:58

Sample ID: 17H0112-03

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	0.46	mg/Kg	5		SW-846 8082A	8/11/17	8/18/17 22:14	TG
Aroclor-1221 [1]	ND	0.46	mg/Kg	5		SW-846 8082A	8/11/17	8/18/17 22:14	TG
Aroclor-1232 [1]	ND	0.46	mg/Kg	5		SW-846 8082A	8/11/17	8/18/17 22:14	TG
Aroclor-1242 [1]	ND	0.46	mg/Kg	5		SW-846 8082A	8/11/17	8/18/17 22:14	TG
Aroclor-1248 [1]	ND	0.46	mg/Kg	5		SW-846 8082A	8/11/17	8/18/17 22:14	TG
Aroclor-1254 [1]	ND	0.46	mg/Kg	5		SW-846 8082A	8/11/17	8/18/17 22:14	TG
Aroclor-1260 [1]	ND	0.46	mg/Kg	5		SW-846 8082A	8/11/17	8/18/17 22:14	TG
Aroclor-1262 [1]	ND	0.46	mg/Kg	5		SW-846 8082A	8/11/17	8/18/17 22:14	TG
Aroclor-1268 [1]	ND	0.46	mg/Kg	5		SW-846 8082A	8/11/17	8/18/17 22:14	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	86.8	30-150							
Decachlorobiphenyl [2]	97.1	30-150							
Tetrachloro-m-xylene [1]	103	30-150							
Tetrachloro-m-xylene [2]	112	30-150							

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

Sample Description:

Work Order: 17H0112

Date Received: 8/2/2017

Field Sample #: WS-AOC-12E-AS-20

Sampled: 8/2/2017 13:15

Sample ID: 17H0112-04

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	0.49	mg/Kg	5		SW-846 8082A	8/11/17	8/18/17 22:32	TG
Aroclor-1221 [1]	ND	0.49	mg/Kg	5		SW-846 8082A	8/11/17	8/18/17 22:32	TG
Aroclor-1232 [1]	ND	0.49	mg/Kg	5		SW-846 8082A	8/11/17	8/18/17 22:32	TG
Aroclor-1242 [1]	ND	0.49	mg/Kg	5		SW-846 8082A	8/11/17	8/18/17 22:32	TG
Aroclor-1248 [1]	ND	0.49	mg/Kg	5		SW-846 8082A	8/11/17	8/18/17 22:32	TG
Aroclor-1254 [1]	ND	0.49	mg/Kg	5		SW-846 8082A	8/11/17	8/18/17 22:32	TG
Aroclor-1260 [1]	ND	0.49	mg/Kg	5		SW-846 8082A	8/11/17	8/18/17 22:32	TG
Aroclor-1262 [1]	ND	0.49	mg/Kg	5		SW-846 8082A	8/11/17	8/18/17 22:32	TG
Aroclor-1268 [1]	ND	0.49	mg/Kg	5		SW-846 8082A	8/11/17	8/18/17 22:32	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	86.8	30-150						8/18/17 22:32	
Decachlorobiphenyl [2]	94.3	30-150						8/18/17 22:32	
Tetrachloro-m-xylene [1]	105	30-150						8/18/17 22:32	
Tetrachloro-m-xylene [2]	114	30-150						8/18/17 22:32	

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

Sample Description:

Work Order: 17H0112

Date Received: 8/2/2017

Field Sample #: WS-AOC-12E-AS-46

Sampled: 8/2/2017 14:51

Sample ID: 17H0112-05

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	0.48	mg/Kg	5		SW-846 8082A	8/11/17	8/18/17 22:49	TG
Aroclor-1221 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	8/11/17	8/18/17 22:49	TG
Aroclor-1232 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	8/11/17	8/18/17 22:49	TG
Aroclor-1242 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	8/11/17	8/18/17 22:49	TG
Aroclor-1248 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	8/11/17	8/18/17 22:49	TG
Aroclor-1254 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	8/11/17	8/18/17 22:49	TG
Aroclor-1260 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	8/11/17	8/18/17 22:49	TG
Aroclor-1262 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	8/11/17	8/18/17 22:49	TG
Aroclor-1268 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	8/11/17	8/18/17 22:49	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	87.6	30-150							
Decachlorobiphenyl [2]	99.3	30-150							
Tetrachloro-m-xylene [1]	108	30-150							
Tetrachloro-m-xylene [2]	118	30-150							

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

Sample Description:

Work Order: 17H0112

Date Received: 8/2/2017

Field Sample #: WS-AOC-12E-AS-32

Sampled: 8/2/2017 14:20

Sample ID: 17H0112-06

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	0.49	mg/Kg	5		SW-846 8082A	8/11/17	8/18/17 23:07	TG
Aroclor-1221 [1]	ND	0.49	mg/Kg	5		SW-846 8082A	8/11/17	8/18/17 23:07	TG
Aroclor-1232 [1]	ND	0.49	mg/Kg	5		SW-846 8082A	8/11/17	8/18/17 23:07	TG
Aroclor-1242 [1]	ND	0.49	mg/Kg	5		SW-846 8082A	8/11/17	8/18/17 23:07	TG
Aroclor-1248 [2]	1.0	0.49	mg/Kg	5		SW-846 8082A	8/11/17	8/18/17 23:07	TG
Aroclor-1254 [1]	ND	0.49	mg/Kg	5		SW-846 8082A	8/11/17	8/18/17 23:07	TG
Aroclor-1260 [2]	0.64	0.49	mg/Kg	5		SW-846 8082A	8/11/17	8/18/17 23:07	TG
Aroclor-1262 [1]	ND	0.49	mg/Kg	5		SW-846 8082A	8/11/17	8/18/17 23:07	TG
Aroclor-1268 [1]	ND	0.49	mg/Kg	5		SW-846 8082A	8/11/17	8/18/17 23:07	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	84.2	30-150							
Decachlorobiphenyl [2]	93.3	30-150							
Tetrachloro-m-xylene [1]	104	30-150							
Tetrachloro-m-xylene [2]	113	30-150							

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

Sample Description:

Work Order: 17H0112

Date Received: 8/2/2017

Field Sample #: WS-AOC-12E-AS-29

Sampled: 8/2/2017 14:00

Sample ID: 17H0112-07

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	0.48	mg/Kg	5		SW-846 8082A	8/11/17	8/18/17 23:25	TG
Aroclor-1221 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	8/11/17	8/18/17 23:25	TG
Aroclor-1232 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	8/11/17	8/18/17 23:25	TG
Aroclor-1242 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	8/11/17	8/18/17 23:25	TG
Aroclor-1248 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	8/11/17	8/18/17 23:25	TG
Aroclor-1254 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	8/11/17	8/18/17 23:25	TG
Aroclor-1260 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	8/11/17	8/18/17 23:25	TG
Aroclor-1262 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	8/11/17	8/18/17 23:25	TG
Aroclor-1268 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	8/11/17	8/18/17 23:25	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	85.6	30-150						8/18/17 23:25	
Decachlorobiphenyl [2]	92.5	30-150						8/18/17 23:25	
Tetrachloro-m-xylene [1]	106	30-150						8/18/17 23:25	
Tetrachloro-m-xylene [2]	112	30-150						8/18/17 23:25	

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

Sample Description:

Work Order: 17H0112

Date Received: 8/2/2017

Field Sample #: WS-AOC-12E-AS-22

Sampled: 8/2/2017 13:32

Sample ID: 17H0112-08

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	0.46	mg/Kg	5		SW-846 8082A	8/11/17	8/19/17 0:36	TG
Aroclor-1221 [1]	ND	0.46	mg/Kg	5		SW-846 8082A	8/11/17	8/19/17 0:36	TG
Aroclor-1232 [1]	ND	0.46	mg/Kg	5		SW-846 8082A	8/11/17	8/19/17 0:36	TG
Aroclor-1242 [1]	ND	0.46	mg/Kg	5		SW-846 8082A	8/11/17	8/19/17 0:36	TG
Aroclor-1248 [1]	ND	0.46	mg/Kg	5		SW-846 8082A	8/11/17	8/19/17 0:36	TG
Aroclor-1254 [1]	ND	0.46	mg/Kg	5		SW-846 8082A	8/11/17	8/19/17 0:36	TG
Aroclor-1260 [1]	ND	0.46	mg/Kg	5		SW-846 8082A	8/11/17	8/19/17 0:36	TG
Aroclor-1262 [1]	ND	0.46	mg/Kg	5		SW-846 8082A	8/11/17	8/19/17 0:36	TG
Aroclor-1268 [1]	ND	0.46	mg/Kg	5		SW-846 8082A	8/11/17	8/19/17 0:36	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	89.7	30-150							
Decachlorobiphenyl [2]	96.8	30-150							
Tetrachloro-m-xylene [1]	106	30-150							
Tetrachloro-m-xylene [2]	116	30-150							

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

Sample Description:

Work Order: 17H0112

Date Received: 8/2/2017

Field Sample #: WS-AOC-12E-AS-47

Sampled: 8/2/2017 14:52

Sample ID: 17H0112-09

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	0.50	mg/Kg	5		SW-846 8082A	8/11/17	8/19/17 0:53	TG
Aroclor-1221 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	8/11/17	8/19/17 0:53	TG
Aroclor-1232 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	8/11/17	8/19/17 0:53	TG
Aroclor-1242 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	8/11/17	8/19/17 0:53	TG
Aroclor-1248 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	8/11/17	8/19/17 0:53	TG
Aroclor-1254 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	8/11/17	8/19/17 0:53	TG
Aroclor-1260 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	8/11/17	8/19/17 0:53	TG
Aroclor-1262 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	8/11/17	8/19/17 0:53	TG
Aroclor-1268 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	8/11/17	8/19/17 0:53	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	91.6	30-150							
Decachlorobiphenyl [2]	103	30-150							
Tetrachloro-m-xylene [1]	110	30-150							
Tetrachloro-m-xylene [2]	119	30-150							

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

Sample Description:

Work Order: 17H0112

Date Received: 8/2/2017

Field Sample #: WS-AOC-12E-AS-34

Sampled: 8/2/2017 14:26

Sample ID: 17H0112-10

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	0.50	mg/Kg	5		SW-846 8082A	8/11/17	8/19/17 1:11	TG
Aroclor-1221 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	8/11/17	8/19/17 1:11	TG
Aroclor-1232 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	8/11/17	8/19/17 1:11	TG
Aroclor-1242 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	8/11/17	8/19/17 1:11	TG
Aroclor-1248 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	8/11/17	8/19/17 1:11	TG
Aroclor-1254 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	8/11/17	8/19/17 1:11	TG
Aroclor-1260 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	8/11/17	8/19/17 1:11	TG
Aroclor-1262 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	8/11/17	8/19/17 1:11	TG
Aroclor-1268 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	8/11/17	8/19/17 1:11	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	83.7	30-150						8/19/17 1:11	
Decachlorobiphenyl [2]	90.8	30-150						8/19/17 1:11	
Tetrachloro-m-xylene [1]	104	30-150						8/19/17 1:11	
Tetrachloro-m-xylene [2]	114	30-150						8/19/17 1:11	

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

Sample Description:

Work Order: 17H0112

Date Received: 8/2/2017

Field Sample #: WS-AOC-12E-AS-Dup5

Sampled: 8/2/2017 00:00

Sample ID: 17H0112-11

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	0.48	mg/Kg	5		SW-846 8082A	8/11/17	8/19/17 1:29	TG
Aroclor-1221 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	8/11/17	8/19/17 1:29	TG
Aroclor-1232 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	8/11/17	8/19/17 1:29	TG
Aroclor-1242 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	8/11/17	8/19/17 1:29	TG
Aroclor-1248 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	8/11/17	8/19/17 1:29	TG
Aroclor-1254 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	8/11/17	8/19/17 1:29	TG
Aroclor-1260 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	8/11/17	8/19/17 1:29	TG
Aroclor-1262 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	8/11/17	8/19/17 1:29	TG
Aroclor-1268 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	8/11/17	8/19/17 1:29	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	81.2	30-150						8/19/17 1:29	
Decachlorobiphenyl [2]	88.7	30-150						8/19/17 1:29	
Tetrachloro-m-xylene [1]	103	30-150						8/19/17 1:29	
Tetrachloro-m-xylene [2]	110	30-150						8/19/17 1:29	

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

Sample Description:

Work Order: 17H0112

Date Received: 8/2/2017

Field Sample #: WS-AOC-12E-AS-50

Sampled: 8/2/2017 14:53

Sample ID: 17H0112-12

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	0.49	mg/Kg	5		SW-846 8082A	8/11/17	8/19/17 1:46	TG
Aroclor-1221 [1]	ND	0.49	mg/Kg	5		SW-846 8082A	8/11/17	8/19/17 1:46	TG
Aroclor-1232 [1]	ND	0.49	mg/Kg	5		SW-846 8082A	8/11/17	8/19/17 1:46	TG
Aroclor-1242 [1]	ND	0.49	mg/Kg	5		SW-846 8082A	8/11/17	8/19/17 1:46	TG
Aroclor-1248 [1]	ND	0.49	mg/Kg	5		SW-846 8082A	8/11/17	8/19/17 1:46	TG
Aroclor-1254 [1]	ND	0.49	mg/Kg	5		SW-846 8082A	8/11/17	8/19/17 1:46	TG
Aroclor-1260 [1]	ND	0.49	mg/Kg	5		SW-846 8082A	8/11/17	8/19/17 1:46	TG
Aroclor-1262 [1]	ND	0.49	mg/Kg	5		SW-846 8082A	8/11/17	8/19/17 1:46	TG
Aroclor-1268 [1]	ND	0.49	mg/Kg	5		SW-846 8082A	8/11/17	8/19/17 1:46	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	85.5	30-150						8/19/17 1:46	
Decachlorobiphenyl [2]	95.5	30-150						8/19/17 1:46	
Tetrachloro-m-xylene [1]	105	30-150						8/19/17 1:46	
Tetrachloro-m-xylene [2]	114	30-150						8/19/17 1:46	

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

Sample Description:

Work Order: 17H0112

Date Received: 8/2/2017

Field Sample #: WS-AOC-12E-AS-36

Sampled: 8/2/2017 14:33

Sample ID: 17H0112-13

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	0.49	mg/Kg	5		SW-846 8082A	8/11/17	8/19/17 2:04	TG
Aroclor-1221 [1]	ND	0.49	mg/Kg	5		SW-846 8082A	8/11/17	8/19/17 2:04	TG
Aroclor-1232 [1]	ND	0.49	mg/Kg	5		SW-846 8082A	8/11/17	8/19/17 2:04	TG
Aroclor-1242 [1]	ND	0.49	mg/Kg	5		SW-846 8082A	8/11/17	8/19/17 2:04	TG
Aroclor-1248 [1]	ND	0.49	mg/Kg	5		SW-846 8082A	8/11/17	8/19/17 2:04	TG
Aroclor-1254 [1]	ND	0.49	mg/Kg	5		SW-846 8082A	8/11/17	8/19/17 2:04	TG
Aroclor-1260 [1]	ND	0.49	mg/Kg	5		SW-846 8082A	8/11/17	8/19/17 2:04	TG
Aroclor-1262 [1]	ND	0.49	mg/Kg	5		SW-846 8082A	8/11/17	8/19/17 2:04	TG
Aroclor-1268 [1]	ND	0.49	mg/Kg	5		SW-846 8082A	8/11/17	8/19/17 2:04	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	78.2	30-150							
Decachlorobiphenyl [2]	84.7	30-150							
Tetrachloro-m-xylene [1]	97.6	30-150							
Tetrachloro-m-xylene [2]	106	30-150							

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

Sample Description:

Work Order: 17H0112

Date Received: 8/2/2017

Field Sample #: WS-AOC-12E-AS-30

Sampled: 8/2/2017 14:02

Sample ID: 17H0112-14

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	0.50	mg/Kg	5		SW-846 8082A	8/11/17	8/19/17 2:22	TG
Aroclor-1221 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	8/11/17	8/19/17 2:22	TG
Aroclor-1232 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	8/11/17	8/19/17 2:22	TG
Aroclor-1242 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	8/11/17	8/19/17 2:22	TG
Aroclor-1248 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	8/11/17	8/19/17 2:22	TG
Aroclor-1254 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	8/11/17	8/19/17 2:22	TG
Aroclor-1260 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	8/11/17	8/19/17 2:22	TG
Aroclor-1262 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	8/11/17	8/19/17 2:22	TG
Aroclor-1268 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	8/11/17	8/19/17 2:22	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	70.9	30-150						8/19/17 2:22	
Decachlorobiphenyl [2]	76.1	30-150						8/19/17 2:22	
Tetrachloro-m-xylene [1]	87.4	30-150						8/19/17 2:22	
Tetrachloro-m-xylene [2]	97.8	30-150						8/19/17 2:22	

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

Sample Description:

Work Order: 17H0112

Date Received: 8/2/2017

Field Sample #: WS-AOC12E-AS-23

Sampled: 8/2/2017 13:36

Sample ID: 17H0112-15

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	0.49	mg/Kg	5		SW-846 8082A	8/11/17	8/19/17 2:39	TG
Aroclor-1221 [1]	ND	0.49	mg/Kg	5		SW-846 8082A	8/11/17	8/19/17 2:39	TG
Aroclor-1232 [1]	ND	0.49	mg/Kg	5		SW-846 8082A	8/11/17	8/19/17 2:39	TG
Aroclor-1242 [1]	ND	0.49	mg/Kg	5		SW-846 8082A	8/11/17	8/19/17 2:39	TG
Aroclor-1248 [1]	ND	0.49	mg/Kg	5		SW-846 8082A	8/11/17	8/19/17 2:39	TG
Aroclor-1254 [1]	ND	0.49	mg/Kg	5		SW-846 8082A	8/11/17	8/19/17 2:39	TG
Aroclor-1260 [1]	ND	0.49	mg/Kg	5		SW-846 8082A	8/11/17	8/19/17 2:39	TG
Aroclor-1262 [1]	ND	0.49	mg/Kg	5		SW-846 8082A	8/11/17	8/19/17 2:39	TG
Aroclor-1268 [1]	ND	0.49	mg/Kg	5		SW-846 8082A	8/11/17	8/19/17 2:39	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	80.1	30-150						8/19/17 2:39	
Decachlorobiphenyl [2]	88.9	30-150						8/19/17 2:39	
Tetrachloro-m-xylene [1]	100	30-150						8/19/17 2:39	
Tetrachloro-m-xylene [2]	110	30-150						8/19/17 2:39	

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

Sample Description:

Work Order: 17H0112

Date Received: 8/2/2017

Field Sample #: WS-AOC-12E-AS-53

Sampled: 8/2/2017 14:54

Sample ID: 17H0112-16

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	0.48	mg/Kg	5		SW-846 8082A	8/11/17	8/19/17 2:57	TG
Aroclor-1221 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	8/11/17	8/19/17 2:57	TG
Aroclor-1232 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	8/11/17	8/19/17 2:57	TG
Aroclor-1242 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	8/11/17	8/19/17 2:57	TG
Aroclor-1248 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	8/11/17	8/19/17 2:57	TG
Aroclor-1254 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	8/11/17	8/19/17 2:57	TG
Aroclor-1260 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	8/11/17	8/19/17 2:57	TG
Aroclor-1262 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	8/11/17	8/19/17 2:57	TG
Aroclor-1268 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	8/11/17	8/19/17 2:57	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	81.4	30-150							
Decachlorobiphenyl [2]	90.7	30-150							
Tetrachloro-m-xylene [1]	97.0	30-150							
Tetrachloro-m-xylene [2]	107	30-150							

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

Sample Description:

Work Order: 17H0112

Date Received: 8/2/2017

Field Sample #: WS-AOC-12E-AS-40

Sampled: 8/2/2017 14:42

Sample ID: 17H0112-17

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	0.48	mg/Kg	5		SW-846 8082A	8/11/17	8/19/17 3:15	TG
Aroclor-1221 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	8/11/17	8/19/17 3:15	TG
Aroclor-1232 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	8/11/17	8/19/17 3:15	TG
Aroclor-1242 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	8/11/17	8/19/17 3:15	TG
Aroclor-1248 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	8/11/17	8/19/17 3:15	TG
Aroclor-1254 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	8/11/17	8/19/17 3:15	TG
Aroclor-1260 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	8/11/17	8/19/17 3:15	TG
Aroclor-1262 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	8/11/17	8/19/17 3:15	TG
Aroclor-1268 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	8/11/17	8/19/17 3:15	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	81.6	30-150						8/19/17 3:15	
Decachlorobiphenyl [2]	87.4	30-150						8/19/17 3:15	
Tetrachloro-m-xylene [1]	102	30-150						8/19/17 3:15	
Tetrachloro-m-xylene [2]	113	30-150						8/19/17 3:15	

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

Sample Description:

Work Order: 17H0112

Date Received: 8/2/2017

Field Sample #: WS-AOC-12E-AS-26

Sampled: 8/2/2017 13:40

Sample ID: 17H0112-18

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	0.46	mg/Kg	5		SW-846 8082A	8/11/17	8/19/17 3:32	TG
Aroclor-1221 [1]	ND	0.46	mg/Kg	5		SW-846 8082A	8/11/17	8/19/17 3:32	TG
Aroclor-1232 [1]	ND	0.46	mg/Kg	5		SW-846 8082A	8/11/17	8/19/17 3:32	TG
Aroclor-1242 [1]	ND	0.46	mg/Kg	5		SW-846 8082A	8/11/17	8/19/17 3:32	TG
Aroclor-1248 [1]	ND	0.46	mg/Kg	5		SW-846 8082A	8/11/17	8/19/17 3:32	TG
Aroclor-1254 [1]	ND	0.46	mg/Kg	5		SW-846 8082A	8/11/17	8/19/17 3:32	TG
Aroclor-1260 [1]	ND	0.46	mg/Kg	5		SW-846 8082A	8/11/17	8/19/17 3:32	TG
Aroclor-1262 [1]	ND	0.46	mg/Kg	5		SW-846 8082A	8/11/17	8/19/17 3:32	TG
Aroclor-1268 [1]	ND	0.46	mg/Kg	5		SW-846 8082A	8/11/17	8/19/17 3:32	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	83.7	30-150						8/19/17 3:32	
Decachlorobiphenyl [2]	91.0	30-150						8/19/17 3:32	
Tetrachloro-m-xylene [1]	105	30-150						8/19/17 3:32	
Tetrachloro-m-xylene [2]	114	30-150						8/19/17 3:32	

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

Sample Description:

Work Order: 17H0112

Date Received: 8/2/2017

Field Sample #: WS-AOC-12E-AS-38

Sampled: 8/2/2017 14:35

Sample ID: 17H0112-19

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	0.44	mg/Kg	5		SW-846 8082A	8/11/17	8/19/17 3:50	TG
Aroclor-1221 [1]	ND	0.44	mg/Kg	5		SW-846 8082A	8/11/17	8/19/17 3:50	TG
Aroclor-1232 [1]	ND	0.44	mg/Kg	5		SW-846 8082A	8/11/17	8/19/17 3:50	TG
Aroclor-1242 [1]	ND	0.44	mg/Kg	5		SW-846 8082A	8/11/17	8/19/17 3:50	TG
Aroclor-1248 [1]	ND	0.44	mg/Kg	5		SW-846 8082A	8/11/17	8/19/17 3:50	TG
Aroclor-1254 [1]	ND	0.44	mg/Kg	5		SW-846 8082A	8/11/17	8/19/17 3:50	TG
Aroclor-1260 [1]	ND	0.44	mg/Kg	5		SW-846 8082A	8/11/17	8/19/17 3:50	TG
Aroclor-1262 [1]	ND	0.44	mg/Kg	5		SW-846 8082A	8/11/17	8/19/17 3:50	TG
Aroclor-1268 [1]	ND	0.44	mg/Kg	5		SW-846 8082A	8/11/17	8/19/17 3:50	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	77.5	30-150							
Decachlorobiphenyl [2]	82.6	30-150							
Tetrachloro-m-xylene [1]	95.0	30-150							
Tetrachloro-m-xylene [2]	105	30-150							

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

Sample Description:

Work Order: 17H0112

Date Received: 8/2/2017

Field Sample #: WS-AOC-12E-AS-43

Sampled: 8/2/2017 14:44

Sample ID: 17H0112-20

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	0.47	mg/Kg	5		SW-846 8082A	8/11/17	8/19/17 4:08	TG
Aroclor-1221 [1]	ND	0.47	mg/Kg	5		SW-846 8082A	8/11/17	8/19/17 4:08	TG
Aroclor-1232 [1]	ND	0.47	mg/Kg	5		SW-846 8082A	8/11/17	8/19/17 4:08	TG
Aroclor-1242 [1]	ND	0.47	mg/Kg	5		SW-846 8082A	8/11/17	8/19/17 4:08	TG
Aroclor-1248 [1]	ND	0.47	mg/Kg	5		SW-846 8082A	8/11/17	8/19/17 4:08	TG
Aroclor-1254 [1]	ND	0.47	mg/Kg	5		SW-846 8082A	8/11/17	8/19/17 4:08	TG
Aroclor-1260 [1]	ND	0.47	mg/Kg	5		SW-846 8082A	8/11/17	8/19/17 4:08	TG
Aroclor-1262 [1]	ND	0.47	mg/Kg	5		SW-846 8082A	8/11/17	8/19/17 4:08	TG
Aroclor-1268 [1]	ND	0.47	mg/Kg	5		SW-846 8082A	8/11/17	8/19/17 4:08	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	85.3	30-150							
Decachlorobiphenyl [2]	94.9	30-150							
Tetrachloro-m-xylene [1]	103	30-150							
Tetrachloro-m-xylene [2]	112	30-150							

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
17H0112-01 [WS-AOC-12E-AS-44]	B183909	2.05	10.0	08/11/17
17H0112-02 [WS-AOC-12E-AS-33]	B183909	2.16	10.0	08/11/17
17H0112-03 [WS-AOC-12E-AS-28]	B183909	2.17	10.0	08/11/17
17H0112-04 [WS-AOC-12E-AS-20]	B183909	2.03	10.0	08/11/17
17H0112-05 [WS-AOC-12E-AS-46]	B183909	2.10	10.0	08/11/17
17H0112-06 [WS-AOC-12E-AS-32]	B183909	2.06	10.0	08/11/17
17H0112-07 [WS-AOC-12E-AS-29]	B183909	2.07	10.0	08/11/17
17H0112-08 [WS-AOC-12E-AS-22]	B183909	2.17	10.0	08/11/17
17H0112-09 [WS-AOC-12E-AS-47]	B183909	2.00	10.0	08/11/17
17H0112-10 [WS-AOC-12E-AS-34]	B183909	2.01	10.0	08/11/17
17H0112-11 [WS-AOC-12E-AS-Dup5]	B183909	2.09	10.0	08/11/17
17H0112-12 [WS-AOC-12E-AS-50]	B183909	2.05	10.0	08/11/17
17H0112-13 [WS-AOC-12E-AS-36]	B183909	2.03	10.0	08/11/17
17H0112-14 [WS-AOC-12E-AS-30]	B183909	2.00	10.0	08/11/17
17H0112-15 [WS-AOC12E-AS-23]	B183909	2.05	10.0	08/11/17
17H0112-16 [WS-AOC-12E-AS-53]	B183909	2.08	10.0	08/11/17
17H0112-17 [WS-AOC-12E-AS-40]	B183909	2.09	10.0	08/11/17
17H0112-18 [WS-AOC-12E-AS-26]	B183909	2.17	10.0	08/11/17
17H0112-19 [WS-AOC-12E-AS-38]	B183909	2.27	10.0	08/11/17
17H0112-20 [WS-AOC-12E-AS-43]	B183909	2.14	10.0	08/11/17

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QUALITY CONTROL
Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B183909 - SW-846 3540C
Blank (B183909-BLK1)

Prepared: 08/11/17 Analyzed: 08/18/17

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	0.999		mg/Kg	1.00		99.9	30-150			
Surrogate: Decachlorobiphenyl [2C]	1.00		mg/Kg	1.00		100	30-150			
Surrogate: Tetrachloro-m-xylene	1.01		mg/Kg	1.00		101	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	1.06		mg/Kg	1.00		106	30-150			

LCS (B183909-BS1)

Prepared: 08/11/17 Analyzed: 08/18/17

Aroclor-1016	0.99	0.10	mg/Kg	1.00		98.9	40-140			
Aroclor-1016 [2C]	0.98	0.10	mg/Kg	1.00		98.2	40-140			
Aroclor-1260	0.90	0.10	mg/Kg	1.00		89.5	40-140			
Aroclor-1260 [2C]	0.87	0.10	mg/Kg	1.00		87.3	40-140			
Surrogate: Decachlorobiphenyl	1.04		mg/Kg	1.00		104	30-150			
Surrogate: Decachlorobiphenyl [2C]	1.05		mg/Kg	1.00		105	30-150			
Surrogate: Tetrachloro-m-xylene	1.01		mg/Kg	1.00		101	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	1.07		mg/Kg	1.00		107	30-150			

LCS Dup (B183909-BSD1)

Prepared: 08/11/17 Analyzed: 08/18/17

Aroclor-1016	0.99	0.10	mg/Kg	1.00		99.1	40-140	0.232	30	
Aroclor-1016 [2C]	1.0	0.10	mg/Kg	1.00		99.6	40-140	1.38	30	
Aroclor-1260	0.89	0.10	mg/Kg	1.00		88.7	40-140	0.879	30	
Aroclor-1260 [2C]	0.87	0.10	mg/Kg	1.00		87.1	40-140	0.203	30	
Surrogate: Decachlorobiphenyl	1.03		mg/Kg	1.00		103	30-150			
Surrogate: Decachlorobiphenyl [2C]	1.04		mg/Kg	1.00		104	30-150			
Surrogate: Tetrachloro-m-xylene	0.986		mg/Kg	1.00		98.6	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	1.05		mg/Kg	1.00		105	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
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Batch B183909 - SW-846 3540C

Matrix Spike (B183909-MS1)	Source: 17H0112-14			Prepared: 08/11/17 Analyzed: 08/19/17						
Aroclor-1016	1.0	0.49	mg/Kg	0.971	ND	103	40-140			
Aroclor-1016 [2C]	1.2	0.49	mg/Kg	0.971	ND	120	40-140			
Aroclor-1260	0.86	0.49	mg/Kg	0.971	ND	88.3	40-140			
Aroclor-1260 [2C]	1.0	0.49	mg/Kg	0.971	ND	104	40-140			
Surrogate: Decachlorobiphenyl	0.801		mg/Kg	0.971		82.5	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.854		mg/Kg	0.971		88.0	30-150			
Surrogate: Tetrachloro-m-xylene	0.979		mg/Kg	0.971		101	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	1.08		mg/Kg	0.971		111	30-150			

Matrix Spike Dup (B183909-MSD1)	Source: 17H0112-14			Prepared: 08/11/17 Analyzed: 08/19/17						
Aroclor-1016	0.94	0.47	mg/Kg	0.948	ND	99.5	40-140	5.64	50	
Aroclor-1016 [2C]	1.1	0.47	mg/Kg	0.948	ND	114	40-140	7.31	50	
Aroclor-1260	0.82	0.47	mg/Kg	0.948	ND	86.3	40-140	4.69	50	
Aroclor-1260 [2C]	0.96	0.47	mg/Kg	0.948	ND	101	40-140	5.34	50	
Surrogate: Decachlorobiphenyl	0.772		mg/Kg	0.948		81.4	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.821		mg/Kg	0.948		86.6	30-150			
Surrogate: Tetrachloro-m-xylene	0.944		mg/Kg	0.948		99.6	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	1.04		mg/Kg	0.948		109	30-150			

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES****WS-AOC-12E-AS-32***SW-846 8082A*Lab Sample ID: 17H0112-06 Date(s) Analyzed: 08/18/2017 08/18/2017

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1248	1	0.000	0.000	0.000	0.72	
	2	0.000	0.000	0.000	1.0	32.6
Aroclor-1260	1	0.000	0.000	0.000	0.50	
	2	0.000	0.000	0.000	0.64	24.6

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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.

CERTIFICATIONS
Certified Analyses included in this Report

Analyte	Certifications
<i>SW-846 8082A in Product/Solid</i>	
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 Public 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



Phone: 413-525-2332
Fax: 413-525-6405

Email: info@contestlabs.com

Weston & Sampson Engineers

273 Dividend Rd Rocky Hill, CT

Phone: 860 513-1473

English Station

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 Sirotinak

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	Matrix Code	Conc Code
11	WS-AOC-12E-AS-26	8/2/17	-	X	O	V	
12	WS-AOC-12E-AS-50		1453				
13	WS-AOC-12E-AS-36		1433				
14	WS-AOC-12E-AS-30		1402				
15	WS-AOC12E-AS-23		1336				
16	WS-AOC-12E-AS-53		1454				
17	WS-AOC-12E-AS-40		1442				
18	WS-AOC-12E-AS-26		14340				
19	WS-AOC-12E-AS-36		1435				
20	WS-AOC-12E-AS-43		1444				

Comments: WS-AOC-12E-AS-30 is MSMSD

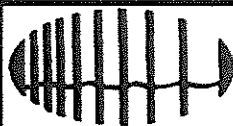
Please hold excess volumes for possible SPLP analyses.

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: 8/2/17 1525	Detection Limit Requirements MA CT 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
Received by: (signature)	Date/Time: 8/2/17 1525		
Relinquished by: (signature)	Date/Time: 8/2/17 1535		
Received by: (signature)	Date/Time: 8/2/17 1535		
Relinquished by: (signature)	Date/Time:	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.	
Received by: (signature)	Date/Time:	PLEASE BE CAREFUL NOT TO CONTAMINATE THIS DOCUMENT	

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 J Sampson

Received By PLF Date 8/2/17 Time 1755

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 - 2.9°C
By Blank # Actual Temp -

Was Custody Seal Intact? LA Were Samples Tampered with? TF

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? LA MS/MSD? T

Proper Media/Containers Used? T Is splitting samples required? F

Were trip blanks received? F On COC? LA

Do all samples have the proper pH? Acid LA Base LA

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		

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: 17H0112

Laboratory Sample ID(s):

17H0112-01 thru 17H0112-20

Sample Date(s):

08/02/2017

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:
Position: Project Manager
Printed Name: Lisa A. Worthington
Date: 08/21/17
Name of Laboratory: Con-Test Analytical Laboratory

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

August 23, 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: 17H0114

Enclosed are results of analyses for samples received by the laboratory on August 2, 2017. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink, appearing to read "James Georgantas", with a long, sweeping horizontal line extending to the right.

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: 8/23/2017

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 2170495

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 17H0114

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-CO-127	17H0114-01	Product/Solid		SW-846 8082A	
WS-AOC-12W-CO-126	17H0114-02	Product/Solid		SW-846 8082A	
WS-AOC-12W-CO-128	17H0114-03	Product/Solid		SW-846 8082A	
WS-AOC-12W-CO-125	17H0114-04	Product/Solid		SW-846 8082A	
WS-AOC-12W-CO-124	17H0114-05	Product/Solid		SW-846 8082A	
WS-AOC-12W-CO-123	17H0114-06	Product/Solid		SW-846 8082A	
WS-AOC-12W-CO-122	17H0114-07	Product/Solid		SW-846 8082A	
WS-AOC-12W-CO-121	17H0114-08	Product/Solid		SW-846 8082A	
WS-AOC-12E-AS-6	17H0114-09	Product/Solid		SW-846 8082A	
WS-AOC-12E-AS-7	17H0114-10	Product/Solid		SW-846 8082A	
WS-AOC-12E-AS-8	17H0114-11	Product/Solid		SW-846 8082A	
WS-AOC-12E-AS-9	17H0114-12	Product/Solid		SW-846 8082A	
WS-AOC-12E-AS-10	17H0114-13	Product/Solid		SW-846 8082A	
WS-AOC-12E-AS-11	17H0114-14	Product/Solid		SW-846 8082A	
WS-AOC-12E-AS-12	17H0114-15	Product/Solid		SW-846 8082A	
WS-AOC-12E-AS-13	17H0114-16	Product/Solid		SW-846 8082A	
WS-AOC-12E-AS-14	17H0114-17	Product/Solid		SW-846 8082A	
WS-AOC-12E-AS-15	17H0114-18	Product/Solid		SW-846 8082A	
WS-AOC-12E-AS-16	17H0114-19	Product/Solid		SW-846 8082A	
WS-AOC-12E-AS-18	17H0114-20	Product/Solid		SW-846 8082A	
WS-AOC-12E-AS-19	17H0114-21	Product/Solid		SW-846 8082A	
WS-AOC-12E-AS-Dup4	17H0114-22	Product/Solid		SW-846 8082A	
WS-AOC-12E-AS-27	17H0114-23	Product/Solid		SW-846 8082A	

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.

A handwritten signature in black ink, appearing to read "Lisa Worthington", is written over a light pink rectangular background.

Lisa A. Worthington
Project Manager

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

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

Sample Description:

Work Order: 17H0114

Date Received: 8/2/2017

Field Sample #: WS-AOC-12W-CO-127

Sampled: 8/2/2017 08:30

Sample ID: 17H0114-01

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	0.095	mg/Kg	1		SW-846 8082A	8/11/17	8/22/17 17:28	TG
Aroclor-1221 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	8/11/17	8/22/17 17:28	TG
Aroclor-1232 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	8/11/17	8/22/17 17:28	TG
Aroclor-1242 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	8/11/17	8/22/17 17:28	TG
Aroclor-1248 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	8/11/17	8/22/17 17:28	TG
Aroclor-1254 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	8/11/17	8/22/17 17:28	TG
Aroclor-1260 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	8/11/17	8/22/17 17:28	TG
Aroclor-1262 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	8/11/17	8/22/17 17:28	TG
Aroclor-1268 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	8/11/17	8/22/17 17:28	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	98.3	30-150							
Decachlorobiphenyl [2]	101	30-150							
Tetrachloro-m-xylene [1]	99.5	30-150							
Tetrachloro-m-xylene [2]	108	30-150							

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

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

Sample Description:

Work Order: 17H0114

Date Received: 8/2/2017

Field Sample #: WS-AOC-12W-CO-126

Sampled: 8/2/2017 08:25

Sample ID: 17H0114-02

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	0.094	mg/Kg	1		SW-846 8082A	8/11/17	8/22/17 17:45	TG
Aroclor-1221 [1]	ND	0.094	mg/Kg	1		SW-846 8082A	8/11/17	8/22/17 17:45	TG
Aroclor-1232 [1]	ND	0.094	mg/Kg	1		SW-846 8082A	8/11/17	8/22/17 17:45	TG
Aroclor-1242 [1]	ND	0.094	mg/Kg	1		SW-846 8082A	8/11/17	8/22/17 17:45	TG
Aroclor-1248 [1]	ND	0.094	mg/Kg	1		SW-846 8082A	8/11/17	8/22/17 17:45	TG
Aroclor-1254 [1]	ND	0.094	mg/Kg	1		SW-846 8082A	8/11/17	8/22/17 17:45	TG
Aroclor-1260 [1]	ND	0.094	mg/Kg	1		SW-846 8082A	8/11/17	8/22/17 17:45	TG
Aroclor-1262 [1]	ND	0.094	mg/Kg	1		SW-846 8082A	8/11/17	8/22/17 17:45	TG
Aroclor-1268 [1]	ND	0.094	mg/Kg	1		SW-846 8082A	8/11/17	8/22/17 17:45	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	96.6	30-150							
Decachlorobiphenyl [2]	98.6	30-150							
Tetrachloro-m-xylene [1]	97.5	30-150							
Tetrachloro-m-xylene [2]	105	30-150							

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

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

Sample Description:

Work Order: 17H0114

Date Received: 8/2/2017

Field Sample #: WS-AOC-12W-CO-128

Sampled: 8/2/2017 08:55

Sample ID: 17H0114-03

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	8/11/17	8/22/17 18:03	TG
Aroclor-1221 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	8/11/17	8/22/17 18:03	TG
Aroclor-1232 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	8/11/17	8/22/17 18:03	TG
Aroclor-1242 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	8/11/17	8/22/17 18:03	TG
Aroclor-1248 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	8/11/17	8/22/17 18:03	TG
Aroclor-1254 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	8/11/17	8/22/17 18:03	TG
Aroclor-1260 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	8/11/17	8/22/17 18:03	TG
Aroclor-1262 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	8/11/17	8/22/17 18:03	TG
Aroclor-1268 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	8/11/17	8/22/17 18:03	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	93.2	30-150							
Decachlorobiphenyl [2]	95.2	30-150							
Tetrachloro-m-xylene [1]	93.6	30-150							
Tetrachloro-m-xylene [2]	100	30-150							

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

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

Sample Description:

Work Order: 17H0114

Date Received: 8/2/2017

Field Sample #: WS-AOC-12W-CO-125

Sampled: 8/2/2017 09:25

Sample ID: 17H0114-04

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	0.099	mg/Kg	1		SW-846 8082A	8/11/17	8/22/17 18:21	TG
Aroclor-1221 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/11/17	8/22/17 18:21	TG
Aroclor-1232 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/11/17	8/22/17 18:21	TG
Aroclor-1242 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/11/17	8/22/17 18:21	TG
Aroclor-1248 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/11/17	8/22/17 18:21	TG
Aroclor-1254 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/11/17	8/22/17 18:21	TG
Aroclor-1260 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/11/17	8/22/17 18:21	TG
Aroclor-1262 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/11/17	8/22/17 18:21	TG
Aroclor-1268 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/11/17	8/22/17 18:21	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	110	30-150							
Decachlorobiphenyl [2]	112	30-150							
Tetrachloro-m-xylene [1]	110	30-150							
Tetrachloro-m-xylene [2]	119	30-150							

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

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

Sample Description:

Work Order: 17H0114

Date Received: 8/2/2017

Field Sample #: WS-AOC-12W-CO-124

Sampled: 8/2/2017 09:35

Sample ID: 17H0114-05

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	0.093	mg/Kg	1		SW-846 8082A	8/11/17	8/22/17 18:39	TG
Aroclor-1221 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	8/11/17	8/22/17 18:39	TG
Aroclor-1232 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	8/11/17	8/22/17 18:39	TG
Aroclor-1242 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	8/11/17	8/22/17 18:39	TG
Aroclor-1248 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	8/11/17	8/22/17 18:39	TG
Aroclor-1254 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	8/11/17	8/22/17 18:39	TG
Aroclor-1260 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	8/11/17	8/22/17 18:39	TG
Aroclor-1262 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	8/11/17	8/22/17 18:39	TG
Aroclor-1268 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	8/11/17	8/22/17 18:39	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	93.5	30-150							
Decachlorobiphenyl [2]	94.1	30-150							
Tetrachloro-m-xylene [1]	92.3	30-150							
Tetrachloro-m-xylene [2]	101	30-150							

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

Sample Description:

Work Order: 17H0114

Date Received: 8/2/2017

Field Sample #: WS-AOC-12W-CO-123

Sampled: 8/2/2017 10:00

Sample ID: 17H0114-06

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	0.092	mg/Kg	1		SW-846 8082A	8/11/17	8/22/17 18:56	TG
Aroclor-1221 [1]	ND	0.092	mg/Kg	1		SW-846 8082A	8/11/17	8/22/17 18:56	TG
Aroclor-1232 [1]	ND	0.092	mg/Kg	1		SW-846 8082A	8/11/17	8/22/17 18:56	TG
Aroclor-1242 [1]	ND	0.092	mg/Kg	1		SW-846 8082A	8/11/17	8/22/17 18:56	TG
Aroclor-1248 [1]	ND	0.092	mg/Kg	1		SW-846 8082A	8/11/17	8/22/17 18:56	TG
Aroclor-1254 [1]	ND	0.092	mg/Kg	1		SW-846 8082A	8/11/17	8/22/17 18:56	TG
Aroclor-1260 [1]	ND	0.092	mg/Kg	1		SW-846 8082A	8/11/17	8/22/17 18:56	TG
Aroclor-1262 [1]	ND	0.092	mg/Kg	1		SW-846 8082A	8/11/17	8/22/17 18:56	TG
Aroclor-1268 [1]	ND	0.092	mg/Kg	1		SW-846 8082A	8/11/17	8/22/17 18:56	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	80.5	30-150							
Decachlorobiphenyl [2]	81.7	30-150							
Tetrachloro-m-xylene [1]	79.6	30-150							
Tetrachloro-m-xylene [2]	86.8	30-150							

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

Sample Description:

Work Order: 17H0114

Date Received: 8/2/2017

Field Sample #: WS-AOC-12W-CO-122

Sampled: 8/2/2017 10:40

Sample ID: 17H0114-07

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	0.097	mg/Kg	1		SW-846 8082A	8/11/17	8/22/17 19:14	TG
Aroclor-1221 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	8/11/17	8/22/17 19:14	TG
Aroclor-1232 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	8/11/17	8/22/17 19:14	TG
Aroclor-1242 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	8/11/17	8/22/17 19:14	TG
Aroclor-1248 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	8/11/17	8/22/17 19:14	TG
Aroclor-1254 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	8/11/17	8/22/17 19:14	TG
Aroclor-1260 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	8/11/17	8/22/17 19:14	TG
Aroclor-1262 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	8/11/17	8/22/17 19:14	TG
Aroclor-1268 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	8/11/17	8/22/17 19:14	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	94.3	30-150							
Decachlorobiphenyl [2]	96.4	30-150							
Tetrachloro-m-xylene [1]	95.2	30-150							
Tetrachloro-m-xylene [2]	103	30-150							

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

Sample Description:

Work Order: 17H0114

Date Received: 8/2/2017

Field Sample #: WS-AOC-12W-CO-121

Sampled: 8/2/2017 10:30

Sample ID: 17H0114-08

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	0.089	mg/Kg	1		SW-846 8082A	8/11/17	8/22/17 19:32	TG
Aroclor-1221 [1]	ND	0.089	mg/Kg	1		SW-846 8082A	8/11/17	8/22/17 19:32	TG
Aroclor-1232 [1]	ND	0.089	mg/Kg	1		SW-846 8082A	8/11/17	8/22/17 19:32	TG
Aroclor-1242 [1]	ND	0.089	mg/Kg	1		SW-846 8082A	8/11/17	8/22/17 19:32	TG
Aroclor-1248 [1]	ND	0.089	mg/Kg	1		SW-846 8082A	8/11/17	8/22/17 19:32	TG
Aroclor-1254 [1]	ND	0.089	mg/Kg	1		SW-846 8082A	8/11/17	8/22/17 19:32	TG
Aroclor-1260 [1]	ND	0.089	mg/Kg	1		SW-846 8082A	8/11/17	8/22/17 19:32	TG
Aroclor-1262 [1]	ND	0.089	mg/Kg	1		SW-846 8082A	8/11/17	8/22/17 19:32	TG
Aroclor-1268 [1]	ND	0.089	mg/Kg	1		SW-846 8082A	8/11/17	8/22/17 19:32	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	109	30-150							
Decachlorobiphenyl [2]	111	30-150							
Tetrachloro-m-xylene [1]	107	30-150							
Tetrachloro-m-xylene [2]	116	30-150							

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

Sample Description:

Work Order: 17H0114

Date Received: 8/2/2017

Field Sample #: WS-AOC-12E-AS-6

Sampled: 8/2/2017 10:55

Sample ID: 17H0114-09

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	0.46	mg/Kg	5		SW-846 8082A	8/11/17	8/22/17 20:38	TG
Aroclor-1221 [1]	ND	0.46	mg/Kg	5		SW-846 8082A	8/11/17	8/22/17 20:38	TG
Aroclor-1232 [1]	ND	0.46	mg/Kg	5		SW-846 8082A	8/11/17	8/22/17 20:38	TG
Aroclor-1242 [1]	ND	0.46	mg/Kg	5		SW-846 8082A	8/11/17	8/22/17 20:38	TG
Aroclor-1248 [1]	ND	0.46	mg/Kg	5		SW-846 8082A	8/11/17	8/22/17 20:38	TG
Aroclor-1254 [1]	ND	0.46	mg/Kg	5		SW-846 8082A	8/11/17	8/22/17 20:38	TG
Aroclor-1260 [1]	ND	0.46	mg/Kg	5		SW-846 8082A	8/11/17	8/22/17 20:38	TG
Aroclor-1262 [1]	ND	0.46	mg/Kg	5		SW-846 8082A	8/11/17	8/22/17 20:38	TG
Aroclor-1268 [1]	ND	0.46	mg/Kg	5		SW-846 8082A	8/11/17	8/22/17 20:38	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	79.9	30-150						8/22/17 20:38	
Decachlorobiphenyl [2]	88.3	30-150						8/22/17 20:38	
Tetrachloro-m-xylene [1]	85.0	30-150						8/22/17 20:38	
Tetrachloro-m-xylene [2]	95.4	30-150						8/22/17 20:38	

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

Sample Description:

Work Order: 17H0114

Date Received: 8/2/2017

Field Sample #: WS-AOC-12E-AS-7

Sampled: 8/2/2017 11:00

Sample ID: 17H0114-10

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	0.46	mg/Kg	5		SW-846 8082A	8/11/17	8/22/17 20:56	TG
Aroclor-1221 [1]	ND	0.46	mg/Kg	5		SW-846 8082A	8/11/17	8/22/17 20:56	TG
Aroclor-1232 [1]	ND	0.46	mg/Kg	5		SW-846 8082A	8/11/17	8/22/17 20:56	TG
Aroclor-1242 [1]	ND	0.46	mg/Kg	5		SW-846 8082A	8/11/17	8/22/17 20:56	TG
Aroclor-1248 [1]	ND	0.46	mg/Kg	5		SW-846 8082A	8/11/17	8/22/17 20:56	TG
Aroclor-1254 [1]	ND	0.46	mg/Kg	5		SW-846 8082A	8/11/17	8/22/17 20:56	TG
Aroclor-1260 [1]	ND	0.46	mg/Kg	5		SW-846 8082A	8/11/17	8/22/17 20:56	TG
Aroclor-1262 [1]	ND	0.46	mg/Kg	5		SW-846 8082A	8/11/17	8/22/17 20:56	TG
Aroclor-1268 [1]	ND	0.46	mg/Kg	5		SW-846 8082A	8/11/17	8/22/17 20:56	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	78.1	30-150						8/22/17 20:56	
Decachlorobiphenyl [2]	88.6	30-150						8/22/17 20:56	
Tetrachloro-m-xylene [1]	88.3	30-150						8/22/17 20:56	
Tetrachloro-m-xylene [2]	99.0	30-150						8/22/17 20:56	

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

Sample Description:

Work Order: 17H0114

Date Received: 8/2/2017

Field Sample #: WS-AOC-12E-AS-8

Sampled: 8/2/2017 11:10

Sample ID: 17H0114-11

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	0.46	mg/Kg	5		SW-846 8082A	8/11/17	8/22/17 21:13	TG
Aroclor-1221 [1]	ND	0.46	mg/Kg	5		SW-846 8082A	8/11/17	8/22/17 21:13	TG
Aroclor-1232 [1]	ND	0.46	mg/Kg	5		SW-846 8082A	8/11/17	8/22/17 21:13	TG
Aroclor-1242 [1]	ND	0.46	mg/Kg	5		SW-846 8082A	8/11/17	8/22/17 21:13	TG
Aroclor-1248 [1]	ND	0.46	mg/Kg	5		SW-846 8082A	8/11/17	8/22/17 21:13	TG
Aroclor-1254 [1]	ND	0.46	mg/Kg	5		SW-846 8082A	8/11/17	8/22/17 21:13	TG
Aroclor-1260 [1]	ND	0.46	mg/Kg	5		SW-846 8082A	8/11/17	8/22/17 21:13	TG
Aroclor-1262 [1]	ND	0.46	mg/Kg	5		SW-846 8082A	8/11/17	8/22/17 21:13	TG
Aroclor-1268 [1]	ND	0.46	mg/Kg	5		SW-846 8082A	8/11/17	8/22/17 21:13	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	81.7	30-150							
Decachlorobiphenyl [2]	91.0	30-150							
Tetrachloro-m-xylene [1]	86.7	30-150							
Tetrachloro-m-xylene [2]	98.0	30-150							

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

Sample Description:

Work Order: 17H0114

Date Received: 8/2/2017

Field Sample #: WS-AOC-12E-AS-9

Sampled: 8/2/2017 11:27

Sample ID: 17H0114-12

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	0.47	mg/Kg	5		SW-846 8082A	8/11/17	8/22/17 21:31	TG
Aroclor-1221 [1]	ND	0.47	mg/Kg	5		SW-846 8082A	8/11/17	8/22/17 21:31	TG
Aroclor-1232 [1]	ND	0.47	mg/Kg	5		SW-846 8082A	8/11/17	8/22/17 21:31	TG
Aroclor-1242 [1]	ND	0.47	mg/Kg	5		SW-846 8082A	8/11/17	8/22/17 21:31	TG
Aroclor-1248 [1]	ND	0.47	mg/Kg	5		SW-846 8082A	8/11/17	8/22/17 21:31	TG
Aroclor-1254 [1]	ND	0.47	mg/Kg	5		SW-846 8082A	8/11/17	8/22/17 21:31	TG
Aroclor-1260 [1]	ND	0.47	mg/Kg	5		SW-846 8082A	8/11/17	8/22/17 21:31	TG
Aroclor-1262 [1]	ND	0.47	mg/Kg	5		SW-846 8082A	8/11/17	8/22/17 21:31	TG
Aroclor-1268 [1]	ND	0.47	mg/Kg	5		SW-846 8082A	8/11/17	8/22/17 21:31	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	71.1	30-150							
Decachlorobiphenyl [2]	78.0	30-150							
Tetrachloro-m-xylene [1]	76.6	30-150							
Tetrachloro-m-xylene [2]	86.7	30-150							

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

Sample Description:

Work Order: 17H0114

Date Received: 8/2/2017

Field Sample #: WS-AOC-12E-AS-10

Sampled: 8/2/2017 11:31

Sample ID: 17H0114-13

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	0.49	mg/Kg	5		SW-846 8082A	8/11/17	8/22/17 21:49	TG
Aroclor-1221 [1]	ND	0.49	mg/Kg	5		SW-846 8082A	8/11/17	8/22/17 21:49	TG
Aroclor-1232 [1]	ND	0.49	mg/Kg	5		SW-846 8082A	8/11/17	8/22/17 21:49	TG
Aroclor-1242 [1]	ND	0.49	mg/Kg	5		SW-846 8082A	8/11/17	8/22/17 21:49	TG
Aroclor-1248 [1]	ND	0.49	mg/Kg	5		SW-846 8082A	8/11/17	8/22/17 21:49	TG
Aroclor-1254 [1]	ND	0.49	mg/Kg	5		SW-846 8082A	8/11/17	8/22/17 21:49	TG
Aroclor-1260 [1]	ND	0.49	mg/Kg	5		SW-846 8082A	8/11/17	8/22/17 21:49	TG
Aroclor-1262 [1]	ND	0.49	mg/Kg	5		SW-846 8082A	8/11/17	8/22/17 21:49	TG
Aroclor-1268 [1]	ND	0.49	mg/Kg	5		SW-846 8082A	8/11/17	8/22/17 21:49	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	49.1	30-150							
Decachlorobiphenyl [2]	56.7	30-150							
Tetrachloro-m-xylene [1]	60.2	30-150							
Tetrachloro-m-xylene [2]	68.8	30-150							

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

Sample Description:

Work Order: 17H0114

Date Received: 8/2/2017

Field Sample #: WS-AOC-12E-AS-11

Sampled: 8/2/2017 11:38

Sample ID: 17H0114-14

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	0.44	mg/Kg	5		SW-846 8082A	8/11/17	8/22/17 22:07	TG
Aroclor-1221 [1]	ND	0.44	mg/Kg	5		SW-846 8082A	8/11/17	8/22/17 22:07	TG
Aroclor-1232 [1]	ND	0.44	mg/Kg	5		SW-846 8082A	8/11/17	8/22/17 22:07	TG
Aroclor-1242 [1]	ND	0.44	mg/Kg	5		SW-846 8082A	8/11/17	8/22/17 22:07	TG
Aroclor-1248 [1]	ND	0.44	mg/Kg	5		SW-846 8082A	8/11/17	8/22/17 22:07	TG
Aroclor-1254 [1]	ND	0.44	mg/Kg	5		SW-846 8082A	8/11/17	8/22/17 22:07	TG
Aroclor-1260 [1]	ND	0.44	mg/Kg	5		SW-846 8082A	8/11/17	8/22/17 22:07	TG
Aroclor-1262 [1]	ND	0.44	mg/Kg	5		SW-846 8082A	8/11/17	8/22/17 22:07	TG
Aroclor-1268 [1]	ND	0.44	mg/Kg	5		SW-846 8082A	8/11/17	8/22/17 22:07	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	73.4	30-150						8/22/17 22:07	
Decachlorobiphenyl [2]	81.5	30-150						8/22/17 22:07	
Tetrachloro-m-xylene [1]	85.1	30-150						8/22/17 22:07	
Tetrachloro-m-xylene [2]	95.1	30-150						8/22/17 22:07	

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

Sample Description:

Work Order: 17H0114

Date Received: 8/2/2017

Field Sample #: WS-AOC-12E-AS-12

Sampled: 8/2/2017 11:50

Sample ID: 17H0114-15

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	0.45	mg/Kg	5		SW-846 8082A	8/11/17	8/22/17 22:24	TG
Aroclor-1221 [1]	ND	0.45	mg/Kg	5		SW-846 8082A	8/11/17	8/22/17 22:24	TG
Aroclor-1232 [1]	ND	0.45	mg/Kg	5		SW-846 8082A	8/11/17	8/22/17 22:24	TG
Aroclor-1242 [1]	ND	0.45	mg/Kg	5		SW-846 8082A	8/11/17	8/22/17 22:24	TG
Aroclor-1248 [1]	ND	0.45	mg/Kg	5		SW-846 8082A	8/11/17	8/22/17 22:24	TG
Aroclor-1254 [1]	ND	0.45	mg/Kg	5		SW-846 8082A	8/11/17	8/22/17 22:24	TG
Aroclor-1260 [1]	ND	0.45	mg/Kg	5		SW-846 8082A	8/11/17	8/22/17 22:24	TG
Aroclor-1262 [1]	ND	0.45	mg/Kg	5		SW-846 8082A	8/11/17	8/22/17 22:24	TG
Aroclor-1268 [1]	ND	0.45	mg/Kg	5		SW-846 8082A	8/11/17	8/22/17 22:24	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	72.3	30-150						8/22/17 22:24	
Decachlorobiphenyl [2]	79.3	30-150						8/22/17 22:24	
Tetrachloro-m-xylene [1]	89.4	30-150						8/22/17 22:24	
Tetrachloro-m-xylene [2]	99.7	30-150						8/22/17 22:24	

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

Sample Description:

Work Order: 17H0114

Date Received: 8/2/2017

Field Sample #: WS-AOC-12E-AS-13

Sampled: 8/2/2017 11:56

Sample ID: 17H0114-16

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	0.50	mg/Kg	5		SW-846 8082A	8/11/17	8/22/17 22:42	TG
Aroclor-1221 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	8/11/17	8/22/17 22:42	TG
Aroclor-1232 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	8/11/17	8/22/17 22:42	TG
Aroclor-1242 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	8/11/17	8/22/17 22:42	TG
Aroclor-1248 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	8/11/17	8/22/17 22:42	TG
Aroclor-1254 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	8/11/17	8/22/17 22:42	TG
Aroclor-1260 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	8/11/17	8/22/17 22:42	TG
Aroclor-1262 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	8/11/17	8/22/17 22:42	TG
Aroclor-1268 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	8/11/17	8/22/17 22:42	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	66.0	30-150							
Decachlorobiphenyl [2]	74.0	30-150							
Tetrachloro-m-xylene [1]	78.4	30-150							
Tetrachloro-m-xylene [2]	88.3	30-150							

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

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

Sample Description:

Work Order: 17H0114

Date Received: 8/2/2017

Field Sample #: WS-AOC-12E-AS-14

Sampled: 8/2/2017 12:01

Sample ID: 17H0114-17

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	0.49	mg/Kg	5		SW-846 8082A	8/11/17	8/22/17 23:00	TG
Aroclor-1221 [1]	ND	0.49	mg/Kg	5		SW-846 8082A	8/11/17	8/22/17 23:00	TG
Aroclor-1232 [1]	ND	0.49	mg/Kg	5		SW-846 8082A	8/11/17	8/22/17 23:00	TG
Aroclor-1242 [1]	ND	0.49	mg/Kg	5		SW-846 8082A	8/11/17	8/22/17 23:00	TG
Aroclor-1248 [1]	ND	0.49	mg/Kg	5		SW-846 8082A	8/11/17	8/22/17 23:00	TG
Aroclor-1254 [1]	ND	0.49	mg/Kg	5		SW-846 8082A	8/11/17	8/22/17 23:00	TG
Aroclor-1260 [1]	ND	0.49	mg/Kg	5		SW-846 8082A	8/11/17	8/22/17 23:00	TG
Aroclor-1262 [1]	ND	0.49	mg/Kg	5		SW-846 8082A	8/11/17	8/22/17 23:00	TG
Aroclor-1268 [1]	ND	0.49	mg/Kg	5		SW-846 8082A	8/11/17	8/22/17 23:00	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	56.8	30-150							
Decachlorobiphenyl [2]	64.6	30-150							
Tetrachloro-m-xylene [1]	72.5	30-150							
Tetrachloro-m-xylene [2]	81.7	30-150							

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

Sample Description:

Work Order: 17H0114

Date Received: 8/2/2017

Field Sample #: WS-AOC-12E-AS-15

Sampled: 8/2/2017 12:00

Sample ID: 17H0114-18

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	0.45	mg/Kg	5		SW-846 8082A	8/11/17	8/22/17 23:18	TG
Aroclor-1221 [1]	ND	0.45	mg/Kg	5		SW-846 8082A	8/11/17	8/22/17 23:18	TG
Aroclor-1232 [1]	ND	0.45	mg/Kg	5		SW-846 8082A	8/11/17	8/22/17 23:18	TG
Aroclor-1242 [1]	ND	0.45	mg/Kg	5		SW-846 8082A	8/11/17	8/22/17 23:18	TG
Aroclor-1248 [1]	ND	0.45	mg/Kg	5		SW-846 8082A	8/11/17	8/22/17 23:18	TG
Aroclor-1254 [1]	ND	0.45	mg/Kg	5		SW-846 8082A	8/11/17	8/22/17 23:18	TG
Aroclor-1260 [1]	ND	0.45	mg/Kg	5		SW-846 8082A	8/11/17	8/22/17 23:18	TG
Aroclor-1262 [1]	ND	0.45	mg/Kg	5		SW-846 8082A	8/11/17	8/22/17 23:18	TG
Aroclor-1268 [1]	ND	0.45	mg/Kg	5		SW-846 8082A	8/11/17	8/22/17 23:18	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	68.4	30-150							
Decachlorobiphenyl [2]	78.1	30-150							
Tetrachloro-m-xylene [1]	85.2	30-150							
Tetrachloro-m-xylene [2]	95.0	30-150							

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

Sample Description:

Work Order: 17H0114

Date Received: 8/2/2017

Field Sample #: WS-AOC-12E-AS-16

Sampled: 8/2/2017 12:11

Sample ID: 17H0114-19

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	0.49	mg/Kg	5		SW-846 8082A	8/11/17	8/22/17 23:35	TG
Aroclor-1221 [1]	ND	0.49	mg/Kg	5		SW-846 8082A	8/11/17	8/22/17 23:35	TG
Aroclor-1232 [1]	ND	0.49	mg/Kg	5		SW-846 8082A	8/11/17	8/22/17 23:35	TG
Aroclor-1242 [1]	ND	0.49	mg/Kg	5		SW-846 8082A	8/11/17	8/22/17 23:35	TG
Aroclor-1248 [1]	ND	0.49	mg/Kg	5		SW-846 8082A	8/11/17	8/22/17 23:35	TG
Aroclor-1254 [1]	ND	0.49	mg/Kg	5		SW-846 8082A	8/11/17	8/22/17 23:35	TG
Aroclor-1260 [1]	ND	0.49	mg/Kg	5		SW-846 8082A	8/11/17	8/22/17 23:35	TG
Aroclor-1262 [1]	ND	0.49	mg/Kg	5		SW-846 8082A	8/11/17	8/22/17 23:35	TG
Aroclor-1268 [1]	ND	0.49	mg/Kg	5		SW-846 8082A	8/11/17	8/22/17 23:35	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	71.6	30-150						8/22/17 23:35	
Decachlorobiphenyl [2]	81.3	30-150						8/22/17 23:35	
Tetrachloro-m-xylene [1]	88.4	30-150						8/22/17 23:35	
Tetrachloro-m-xylene [2]	97.5	30-150						8/22/17 23:35	

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

Sample Description:

Work Order: 17H0114

Date Received: 8/2/2017

Field Sample #: WS-AOC-12E-AS-18

Sampled: 8/2/2017 13:05

Sample ID: 17H0114-20

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	0.50	mg/Kg	5		SW-846 8082A	8/11/17	8/22/17 23:53	TG
Aroclor-1221 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	8/11/17	8/22/17 23:53	TG
Aroclor-1232 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	8/11/17	8/22/17 23:53	TG
Aroclor-1242 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	8/11/17	8/22/17 23:53	TG
Aroclor-1248 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	8/11/17	8/22/17 23:53	TG
Aroclor-1254 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	8/11/17	8/22/17 23:53	TG
Aroclor-1260 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	8/11/17	8/22/17 23:53	TG
Aroclor-1262 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	8/11/17	8/22/17 23:53	TG
Aroclor-1268 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	8/11/17	8/22/17 23:53	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	72.0	30-150						8/22/17 23:53	
Decachlorobiphenyl [2]	82.6	30-150						8/22/17 23:53	
Tetrachloro-m-xylene [1]	90.9	30-150						8/22/17 23:53	
Tetrachloro-m-xylene [2]	100	30-150						8/22/17 23:53	

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

Sample Description:

Work Order: 17H0114

Date Received: 8/2/2017

Field Sample #: WS-AOC-12E-AS-19

Sampled: 8/2/2017 13:11

Sample ID: 17H0114-21

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	8/13/17	8/15/17 14:39	KAL
Aroclor-1221 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	8/13/17	8/15/17 14:39	KAL
Aroclor-1232 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	8/13/17	8/15/17 14:39	KAL
Aroclor-1242 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	8/13/17	8/15/17 14:39	KAL
Aroclor-1248 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	8/13/17	8/15/17 14:39	KAL
Aroclor-1254 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	8/13/17	8/15/17 14:39	KAL
Aroclor-1260 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	8/13/17	8/15/17 14:39	KAL
Aroclor-1262 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	8/13/17	8/15/17 14:39	KAL
Aroclor-1268 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	8/13/17	8/15/17 14:39	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	86.5	30-150						8/15/17 14:39	
Decachlorobiphenyl [2]	66.5	30-150						8/15/17 14:39	
Tetrachloro-m-xylene [1]	83.7	30-150						8/15/17 14:39	
Tetrachloro-m-xylene [2]	70.2	30-150						8/15/17 14:39	

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

Sample Description:

Work Order: 17H0114

Date Received: 8/2/2017

Field Sample #: WS-AOC-12E-AS-Dup4

Sampled: 8/2/2017 00:00

Sample ID: 17H0114-22

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	8/13/17	8/15/17 14:57	KAL
Aroclor-1221 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	8/13/17	8/15/17 14:57	KAL
Aroclor-1232 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	8/13/17	8/15/17 14:57	KAL
Aroclor-1242 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	8/13/17	8/15/17 14:57	KAL
Aroclor-1248 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	8/13/17	8/15/17 14:57	KAL
Aroclor-1254 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	8/13/17	8/15/17 14:57	KAL
Aroclor-1260 [1]	0.14	0.098	mg/Kg	1		SW-846 8082A	8/13/17	8/15/17 14:57	KAL
Aroclor-1262 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	8/13/17	8/15/17 14:57	KAL
Aroclor-1268 [1]	0.11	0.098	mg/Kg	1		SW-846 8082A	8/13/17	8/15/17 14:57	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	55.8	30-150						8/15/17 14:57	
Decachlorobiphenyl [2]	43.3	30-150						8/15/17 14:57	
Tetrachloro-m-xylene [1]	61.2	30-150						8/15/17 14:57	
Tetrachloro-m-xylene [2]	54.5	30-150						8/15/17 14:57	

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

Sample Description:

Work Order: 17H0114

Date Received: 8/2/2017

Field Sample #: WS-AOC-12E-AS-27

Sampled: 8/2/2017 13:44

Sample ID: 17H0114-23

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.085	mg/Kg	1		SW-846 8082A	8/13/17	8/15/17 15:16	KAL
Aroclor-1221 [1]	ND	0.085	mg/Kg	1		SW-846 8082A	8/13/17	8/15/17 15:16	KAL
Aroclor-1232 [1]	ND	0.085	mg/Kg	1		SW-846 8082A	8/13/17	8/15/17 15:16	KAL
Aroclor-1242 [2]	0.13	0.085	mg/Kg	1		SW-846 8082A	8/13/17	8/15/17 15:16	KAL
Aroclor-1248 [1]	ND	0.085	mg/Kg	1		SW-846 8082A	8/13/17	8/15/17 15:16	KAL
Aroclor-1254 [1]	ND	0.085	mg/Kg	1		SW-846 8082A	8/13/17	8/15/17 15:16	KAL
Aroclor-1260 [1]	0.14	0.085	mg/Kg	1		SW-846 8082A	8/13/17	8/15/17 15:16	KAL
Aroclor-1262 [1]	ND	0.085	mg/Kg	1		SW-846 8082A	8/13/17	8/15/17 15:16	KAL
Aroclor-1268 [1]	ND	0.085	mg/Kg	1		SW-846 8082A	8/13/17	8/15/17 15:16	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	85.5	30-150							
Decachlorobiphenyl [2]	66.1	30-150							
Tetrachloro-m-xylene [1]	85.0	30-150							
Tetrachloro-m-xylene [2]	74.2	30-150							

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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
17H0114-01 [WS-AOC-12W-CO-127]	B183910	2.11	10.0	08/11/17
17H0114-02 [WS-AOC-12W-CO-126]	B183910	2.13	10.0	08/11/17
17H0114-03 [WS-AOC-12W-CO-128]	B183910	2.14	10.0	08/11/17
17H0114-04 [WS-AOC-12W-CO-125]	B183910	2.03	10.0	08/11/17
17H0114-05 [WS-AOC-12W-CO-124]	B183910	2.14	10.0	08/11/17
17H0114-06 [WS-AOC-12W-CO-123]	B183910	2.18	10.0	08/11/17
17H0114-07 [WS-AOC-12W-CO-122]	B183910	2.07	10.0	08/11/17
17H0114-08 [WS-AOC-12W-CO-121]	B183910	2.24	10.0	08/11/17
17H0114-09 [WS-AOC-12E-AS-6]	B183910	2.16	10.0	08/11/17
17H0114-10 [WS-AOC-12E-AS-7]	B183910	2.19	10.0	08/11/17
17H0114-11 [WS-AOC-12E-AS-8]	B183910	2.19	10.0	08/11/17
17H0114-12 [WS-AOC-12E-AS-9]	B183910	2.14	10.0	08/11/17
17H0114-13 [WS-AOC-12E-AS-10]	B183910	2.03	10.0	08/11/17
17H0114-14 [WS-AOC-12E-AS-11]	B183910	2.27	10.0	08/11/17
17H0114-15 [WS-AOC-12E-AS-12]	B183910	2.23	10.0	08/11/17
17H0114-16 [WS-AOC-12E-AS-13]	B183910	2.02	10.0	08/11/17
17H0114-17 [WS-AOC-12E-AS-14]	B183910	2.04	10.0	08/11/17
17H0114-18 [WS-AOC-12E-AS-15]	B183910	2.22	10.0	08/11/17
17H0114-19 [WS-AOC-12E-AS-16]	B183910	2.06	10.0	08/11/17
17H0114-20 [WS-AOC-12E-AS-18]	B183910	2.00	10.0	08/11/17

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17H0114-21RE1 [WS-AOC-12E-AS-19]	B183952	2.15	10.0	08/13/17
17H0114-22RE1 [WS-AOC-12E-AS-Dup4]	B183952	2.04	10.0	08/13/17
17H0114-23RE1 [WS-AOC-12E-AS-27]	B183952	2.36	10.0	08/13/17

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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
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Batch B183910 - SW-846 3540C
Blank (B183910-BLK1)

Prepared: 08/11/17 Analyzed: 08/22/17

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	0.983		mg/Kg	1.00		98.3	30-150			
Surrogate: Decachlorobiphenyl [2C]	1.00		mg/Kg	1.00		100	30-150			
Surrogate: Tetrachloro-m-xylene	0.974		mg/Kg	1.00		97.4	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	1.06		mg/Kg	1.00		106	30-150			

LCS (B183910-BS1)

Prepared: 08/11/17 Analyzed: 08/22/17

Aroclor-1016	0.92	0.10	mg/Kg	1.00		91.8	40-140			
Aroclor-1016 [2C]	0.94	0.10	mg/Kg	1.00		94.5	40-140			
Aroclor-1260	0.82	0.10	mg/Kg	1.00		82.0	40-140			
Aroclor-1260 [2C]	0.82	0.10	mg/Kg	1.00		81.5	40-140			
Surrogate: Decachlorobiphenyl	0.956		mg/Kg	1.00		95.6	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.985		mg/Kg	1.00		98.5	30-150			
Surrogate: Tetrachloro-m-xylene	0.976		mg/Kg	1.00		97.6	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	1.05		mg/Kg	1.00		105	30-150			

LCS Dup (B183910-BSD1)

Prepared: 08/11/17 Analyzed: 08/22/17

Aroclor-1016	0.76	0.10	mg/Kg	1.00		76.1	40-140	18.6	30	
Aroclor-1016 [2C]	0.80	0.10	mg/Kg	1.00		80.0	40-140	16.6	30	
Aroclor-1260	0.67	0.10	mg/Kg	1.00		66.8	40-140	20.4	30	
Aroclor-1260 [2C]	0.69	0.10	mg/Kg	1.00		69.1	40-140	16.5	30	
Surrogate: Decachlorobiphenyl	0.772		mg/Kg	1.00		77.2	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.802		mg/Kg	1.00		80.2	30-150			
Surrogate: Tetrachloro-m-xylene	0.794		mg/Kg	1.00		79.4	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.854		mg/Kg	1.00		85.4	30-150			

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QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B183910 - SW-846 3540C

Matrix Spike (B183910-MS1)

Source: 17H0114-19

Prepared: 08/11/17 Analyzed: 08/23/17

Aroclor-1016	0.87	0.47	mg/Kg	0.939	ND	92.9	40-140			
Aroclor-1016 [2C]	1.0	0.47	mg/Kg	0.939	ND	108	40-140			
Aroclor-1260	0.98	0.47	mg/Kg	0.939	ND	104	40-140			
Aroclor-1260 [2C]	1.1	0.47	mg/Kg	0.939	ND	121	40-140			
Surrogate: Decachlorobiphenyl	0.682		mg/Kg	0.939		72.6	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.785		mg/Kg	0.939		83.6	30-150			
Surrogate: Tetrachloro-m-xylene	0.827		mg/Kg	0.939		88.1	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.919		mg/Kg	0.939		97.9	30-150			

Matrix Spike Dup (B183910-MSD1)

Source: 17H0114-19

Prepared: 08/11/17 Analyzed: 08/23/17

Aroclor-1016	0.89	0.47	mg/Kg	0.930	ND	95.3	40-140	1.65	50	
Aroclor-1016 [2C]	1.0	0.47	mg/Kg	0.930	ND	109	40-140	0.188	50	
Aroclor-1260	0.95	0.47	mg/Kg	0.930	ND	102	40-140	3.43	50	
Aroclor-1260 [2C]	1.1	0.47	mg/Kg	0.930	ND	118	40-140	3.77	50	
Surrogate: Decachlorobiphenyl	0.702		mg/Kg	0.930		75.5	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.794		mg/Kg	0.930		85.4	30-150			
Surrogate: Tetrachloro-m-xylene	0.838		mg/Kg	0.930		90.1	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.933		mg/Kg	0.930		100	30-150			

Batch B183952 - SW-846 3540C

Blank (B183952-BLK1)

Prepared: 08/13/17 Analyzed: 08/15/17

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	1.01		mg/Kg	1.00		101	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.943		mg/Kg	1.00		94.3	30-150			
Surrogate: Tetrachloro-m-xylene	0.903		mg/Kg	1.00		90.3	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.822		mg/Kg	1.00		82.2	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 B183952 - SW-846 3540C
LCS (B183952-BS1)

Prepared: 08/13/17 Analyzed: 08/15/17

Aroclor-1016	0.85	0.10	mg/Kg	1.00		84.7	40-140			
Aroclor-1016 [2C]	0.83	0.10	mg/Kg	1.00		82.9	40-140			
Aroclor-1260	0.78	0.10	mg/Kg	1.00		78.4	40-140			
Aroclor-1260 [2C]	0.72	0.10	mg/Kg	1.00		72.0	40-140			
Surrogate: Decachlorobiphenyl	0.965		mg/Kg	1.00		96.5	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.876		mg/Kg	1.00		87.6	30-150			
Surrogate: Tetrachloro-m-xylene	0.851		mg/Kg	1.00		85.1	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.779		mg/Kg	1.00		77.9	30-150			

LCS Dup (B183952-BSD1)

Prepared: 08/13/17 Analyzed: 08/15/17

Aroclor-1016	0.94	0.10	mg/Kg	1.00		94.4	40-140	10.9	30	
Aroclor-1016 [2C]	0.91	0.10	mg/Kg	1.00		91.1	40-140	9.40	30	
Aroclor-1260	0.87	0.10	mg/Kg	1.00		86.9	40-140	10.3	30	
Aroclor-1260 [2C]	0.80	0.10	mg/Kg	1.00		80.2	40-140	10.9	30	
Surrogate: Decachlorobiphenyl	1.06		mg/Kg	1.00		106	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.984		mg/Kg	1.00		98.4	30-150			
Surrogate: Tetrachloro-m-xylene	0.936		mg/Kg	1.00		93.6	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.850		mg/Kg	1.00		85.0	30-150			

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES***SW-846 8082A***WS-AOC-12E-AS-Dup4**

Lab Sample ID: 17H0114-22RE1 Date(s) Analyzed: 08/15/2017 08/15/2017
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	0.12	15.4

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC-12E-AS-27

Lab Sample ID: 17H0114-23RE1 Date(s) Analyzed: 08/15/2017 08/15/2017

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-1242	1	0.000	0.000	0.000	0.12	
	2	0.000	0.000	0.000	0.13	8.0
Aroclor-1260	1	0.000	0.000	0.000	0.14	
	2	0.000	0.000	0.000	0.12	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.

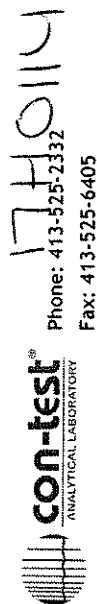
No results have been blank subtracted unless specified in the case narrative section.

CERTIFICATIONS
Certified Analyses included in this Report

Analyte	Certifications
<i>SW-846 8082A in Product/Solid</i>	
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 Public 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



Phone: 413-525-2332

Fax: 413-525-6405

Email: info@contestlabs.com

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 Sirotek

7-Day	☒	10-Day	☐
Other:		5-day	☐
Requested Turnaround Time			
1-Day	☐	3-Day	☐
2-Day	☐	4-Day	☐
Rush Approval Required			
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	Matrix Code	Conc Code
01	WS-AOC12W-CO-127	8/21/17	8:30		X	0	U
02	WS-AOC12W-CO-126		8:25				
03	WS-AOC12W-CO-128		8:55				
04	WS-AOC12W-CO-125		9:25				
05	WS-AOC12W-CO-124		9:35				
06	WS-AOC12W-CO-123		10:00				
07	WS-AOC12W-CO-122		10:40				
08	WS-AOC12W-CO-121		10:30				
09	WS-AOC12E-AS-6		10:55				
10	WS-AOC12E-AS-7		11:00				

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:	Detection Limit Requirements
<i>[Signature]</i>	8/21/17 1735	MA
Received by: (signature)	Date/Time:	
<i>[Signature]</i>	8/21/17 1525	
Relinquished by: (signature)	Date/Time:	
<i>[Signature]</i>	8/21/17 1735	RES DEC
Received by: (signature)	Date/Time:	
<i>[Signature]</i>	8/21/17 1735	Other
Relinquished by: (signature)	Date/Time:	
<i>[Signature]</i>		
Received by: (signature)	Date/Time:	
<i>[Signature]</i>		

Program Information

- ☐ MCP Analytical Certification Form Required
☒ RCP Analytical 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



Phone: 413-525-2332
Fax: 413-525-6405

Email: info@contestlabs.com

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: Malcolm Beeler (Weston & Sampson)

Invoice Recipient: Malcolm Beeler (Weston & Sampson)

Sampled By: Chris Berthiaume/Will Sirotiak

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	Matrix Code	Conc Code
11	WS-AOC12E-AS-8	8/2/17	11:10	X	O	U	
12	WS-AOC12E-AS-9		11:27				
13	WS-AOC12E-AS-10		11:31				
14	WS-AOC12E-AS-11		11:34				
15	WS-AOC12E-AS-12		11:50				
16	WS-AOC12E-AS-13		11:56				
17	WS-AOC12E-AS-14		12:01				
18	WS-AOC12E-AS-15		12:00				
19	WS-AOC12E-AS-16		12:11				
20	WS-AOC12E-AS-18		13:05				

Comments:

WS-AOC12E-AS-16 (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

Detection Limit Requirements

Date/Time: 8/2/17 15:05

Date/Time: 8/2/17 15:05

Date/Time: 8/2/17 15:05

Date/Time: 8/2/17 15:05

Date/Time: 8/2/17 15:05

Date/Time: 8/2/17 15:05

Date/Time: 8/2/17 15:05

Date/Time: 8/2/17 15:05

Date/Time: 8/2/17 15:05

Date/Time: 8/2/17 15:05

Date/Time: 8/2/17 15:05

Program Information

- ☐ MCP Analytical Certification Form Required
☒ RCP Analysis Certification Form Required
☐ MA State DWI 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

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)

39 Spruce Street
East Longmeadow, MA 01028

CHAIN OF CUSTODY RECORD

con-test
ANALYTICAL LABORATORY
Phone: 413-525-2332
Fax: 413-525-6405

Email: info@contestlabs.com

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 Sirotinak

Requested Turnaround Time	7-Day ☒ 10-Day ☐	Other: ☐
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	Matrix Code	Conc Code
21	WS-AOC12E-AS-19	8/21/17	13:11		X	0	U
22	WS-AOC12E-AS-NUP-4	8/21/17		X		0	U
23	WS-AA-12E-AS-27	8/21/17	1344	X		0	U

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 1505	Program Information ☐ MCP Analytical Certification Form Required ☒ RCP Analysis Certification Form Required ☐ MA State DW Form Required PWSID # _____ NELAC and AIHA-LAP, LLC Accredited
Received by: (signature)	Date/Time: 8/21/17 1505	
Relinquished by: (signature)	Date/Time: 8/21/17 1755	
Received by: (signature)	Date/Time: 8/21/17 1755	
Relinquished by: (signature)	Date/Time:	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.
Received by: (signature)	Date/Time:	PLEASE BE CAREFUL NOT TO CONTAMINATE THIS DOCUMENT

# of Containers	
1 Preservation Code	
2 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)
POSSIBLE

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)

39 Spruce St.
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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 J Sampson

Received By PLF Date 8/2/17 Time 1755

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 - 2.9°C
By Blank # Actual Temp -

Was Custody Seal Intact? LA Were Samples Tampered with? XF
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 Client T Analysis T Sampler Name T
pertinent Information? 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? LA MS/MSD? T
Proper Media/Containers Used? T Is splitting samples required? F
Were trip blanks received? F On COC? LA
Do all samples have the proper pH? Acid LA Base LA

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	25
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: 17H0114

Laboratory Sample ID(s):

17H0114-01 thru 17H0114-23

Sample Date(s):

08/02/2017

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:
Position: Project Manager
Printed Name: Lisa A. Worthington
Date: 08/23/17
Name of Laboratory: Con-Test Analytical Laboratory

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

August 17, 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: 17H0196

Enclosed are results of analyses for samples received by the laboratory on August 3, 2017. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink, appearing to read "James Georgantas". The signature is fluid and cursive, with a long horizontal stroke extending to the right.

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: 8/17/2017

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 2170495

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 17H0196

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-AOC2-SO-2-1	17H0196-01	Soil		CTDEP ETPH SM 2540G SW-846 8082A SW-846 8260C SW-846 8270D	
WS-AOC2-SO-2-2	17H0196-02	Soil		CTDEP ETPH SM 2540G SW-846 8082A SW-846 8260C SW-846 8270D	
WS-AOC2-SO-3-1	17H0196-03	Soil		CTDEP ETPH SM 2540G SW-846 8082A SW-846 8260C SW-846 8270D	
WS-AOC2-SO-3-2	17H0196-04	Soil		CTDEP ETPH SM 2540G SW-846 8082A SW-846 8260C SW-846 8270D	
WS-AOC2-SO-1-1	17H0196-05	Soil		CTDEP ETPH SM 2540G SW-846 8082A SW-846 8260C SW-846 8270D	
WS-AOC2-SO-1-2	17H0196-06	Soil		CTDEP ETPH SM 2540G SW-846 8082A SW-846 8260C SW-846 8270D	
WS-AOC2-SO-4-1	17H0196-07	Soil		CTDEP ETPH SM 2540G SW-846 8082A SW-846 8260C SW-846 8270D	
WS-AOC2-SO-4-2	17H0196-08	Soil		CTDEP ETPH SM 2540G SW-846 8082A SW-846 8260C SW-846 8270D	
Trip Blank	17H0196-09	Trip Blank Soil		SW-846 8260C	

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

REPORT DATE: 8/17/2017

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 2170495

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 17H0196

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-AOC2-SO-Dup-45	17H0196-10	Soil		SM 2540G SW-846 8082A	
WS-AOC-SO-Dup-46	17H0196-11	Soil		SM 2540G SW-846 8082A	

CASE NARRATIVE SUMMARY

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

For method 8270, only PAHs were requested and reported.

SW-846 8082A**Qualifications:****MS-22**

Either matrix spike or MS duplicate is outside of control limits, but the other is within limits. RPD between the two MS/MSD results is within method specified criteria.

Analyte & Samples(s) Qualified:**Aroclor-1260**

B183939-MS1

SW-846 8270D**Qualifications:****E**

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

Analyte & Samples(s) Qualified:**Fluoranthene**

17H0196-05[WS-AOC2-SO-1-1]

Pyrene

17H0196-05[WS-AOC2-SO-1-1]

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:**Benzo(a)anthracene**

17H0196-03[WS-AOC2-SO-3-1], B183764-MS1, B183764-MSD1

Benzo(g,h,i)perylene

17H0196-03[WS-AOC2-SO-3-1], B183764-MS1, B183764-MSD1

Chrysene

17H0196-03[WS-AOC2-SO-3-1], B183764-MS1, B183764-MSD1

Fluoranthene

17H0196-03[WS-AOC2-SO-3-1], B183764-MS1, B183764-MSD1

Pyrene

17H0196-03[WS-AOC2-SO-3-1], B183764-MS1, B183764-MSD1

MS-22

Either matrix spike or MS duplicate is outside of control limits, but the other is within limits. RPD between the two MS/MSD results is within method specified criteria.

Analyte & Samples(s) Qualified:**Benzo(b)fluoranthene**

B183764-MSD1

Dibenz(a,h)anthracene

B183764-MS1

Phenanthrene

B183764-MSD1

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.

A handwritten signature in black ink, appearing to read "Lisa Worthington", is written over a light pink rectangular background.

Lisa A. Worthington
Project Manager

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

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

Sample Description:

Work Order: 17H0196

Date Received: 8/3/2017

Field Sample #: WS-AOC2-SO-2-1

Sampled: 8/3/2017 09:10

Sample ID: 17H0196-01

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	0.070	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 9:51	MFF
Acrylonitrile	ND	0.0042	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 9:51	MFF
Benzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 9:51	MFF
Bromobenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 9:51	MFF
Bromodichloromethane	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 9:51	MFF
Bromoform	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 9:51	MFF
Bromomethane	ND	0.0070	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 9:51	MFF
2-Butanone (MEK)	ND	0.028	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 9:51	MFF
n-Butylbenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 9:51	MFF
sec-Butylbenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 9:51	MFF
tert-Butylbenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 9:51	MFF
Carbon Disulfide	ND	0.0042	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 9:51	MFF
Carbon Tetrachloride	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 9:51	MFF
Chlorobenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 9:51	MFF
Chlorodibromomethane	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 9:51	MFF
Chloroethane	ND	0.014	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 9:51	MFF
Chloroform	ND	0.0028	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 9:51	MFF
Chloromethane	ND	0.0070	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 9:51	MFF
2-Chlorotoluene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 9:51	MFF
4-Chlorotoluene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 9:51	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0028	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 9:51	MFF
1,2-Dibromoethane (EDB)	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 9:51	MFF
Dibromomethane	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 9:51	MFF
1,2-Dichlorobenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 9:51	MFF
1,3-Dichlorobenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 9:51	MFF
1,4-Dichlorobenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 9:51	MFF
trans-1,4-Dichloro-2-butene	ND	0.0028	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 9:51	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.014	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 9:51	MFF
1,1-Dichloroethane	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 9:51	MFF
1,2-Dichloroethane	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 9:51	MFF
1,1-Dichloroethylene	ND	0.0028	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 9:51	MFF
cis-1,2-Dichloroethylene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 9:51	MFF
trans-1,2-Dichloroethylene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 9:51	MFF
1,2-Dichloropropane	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 9:51	MFF
1,3-Dichloropropane	ND	0.00070	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 9:51	MFF
2,2-Dichloropropane	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 9:51	MFF
1,1-Dichloropropene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 9:51	MFF
cis-1,3-Dichloropropene	ND	0.00070	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 9:51	MFF
trans-1,3-Dichloropropene	ND	0.00070	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 9:51	MFF
Ethylbenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 9:51	MFF
Hexachlorobutadiene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 9:51	MFF
2-Hexanone (MBK)	ND	0.014	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 9:51	MFF
Isopropylbenzene (Cumene)	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 9:51	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 9:51	MFF

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

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

Sample Description:

Work Order: 17H0196

Date Received: 8/3/2017

Field Sample #: WS-AOC2-SO-2-1

Sampled: 8/3/2017 09:10

Sample ID: 17H0196-01

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	0.0028	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 9:51	MFF
Methylene Chloride	ND	0.014	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 9:51	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.014	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 9:51	MFF
Naphthalene	ND	0.0028	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 9:51	MFF
n-Propylbenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 9:51	MFF
Styrene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 9:51	MFF
1,1,1,2-Tetrachloroethane	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 9:51	MFF
1,1,2,2-Tetrachloroethane	ND	0.00070	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 9:51	MFF
Tetrachloroethylene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 9:51	MFF
Tetrahydrofuran	ND	0.0070	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 9:51	MFF
Toluene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 9:51	MFF
1,2,3-Trichlorobenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 9:51	MFF
1,2,4-Trichlorobenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 9:51	MFF
1,1,1-Trichloroethane	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 9:51	MFF
1,1,2-Trichloroethane	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 9:51	MFF
Trichloroethylene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 9:51	MFF
Trichlorofluoromethane (Freon 11)	ND	0.0070	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 9:51	MFF
1,2,3-Trichloropropane	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 9:51	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0070	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 9:51	MFF
1,2,4-Trimethylbenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 9:51	MFF
1,3,5-Trimethylbenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 9:51	MFF
Vinyl Chloride	ND	0.0070	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 9:51	MFF
m+p Xylene	ND	0.0028	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 9:51	MFF
o-Xylene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 9:51	MFF
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
1,2-Dichloroethane-d4	94.8	70-130							
Toluene-d8	92.8	70-130							
4-Bromofluorobenzene	88.0	70-130							

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

Sample Description:

Work Order: 17H0196

Date Received: 8/3/2017

Field Sample #: WS-AOC2-SO-2-1

Sampled: 8/3/2017 09:10

Sample ID: 17H0196-01

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	0.18	mg/Kg dry	1		SW-846 8270D	8/10/17	8/11/17 18:57	CDT
Acenaphthylene	0.24	0.18	mg/Kg dry	1		SW-846 8270D	8/10/17	8/11/17 18:57	CDT
Anthracene	0.22	0.18	mg/Kg dry	1		SW-846 8270D	8/10/17	8/11/17 18:57	CDT
Benzo(a)anthracene	1.1	0.18	mg/Kg dry	1		SW-846 8270D	8/10/17	8/11/17 18:57	CDT
Benzo(a)pyrene	1.4	0.18	mg/Kg dry	1		SW-846 8270D	8/10/17	8/11/17 18:57	CDT
Benzo(b)fluoranthene	1.6	0.18	mg/Kg dry	1		SW-846 8270D	8/10/17	8/11/17 18:57	CDT
Benzo(g,h,i)perylene	1.0	0.18	mg/Kg dry	1		SW-846 8270D	8/10/17	8/11/17 18:57	CDT
Benzo(k)fluoranthene	0.62	0.18	mg/Kg dry	1		SW-846 8270D	8/10/17	8/11/17 18:57	CDT
Chrysene	0.91	0.18	mg/Kg dry	1		SW-846 8270D	8/10/17	8/11/17 18:57	CDT
Dibenz(a,h)anthracene	0.25	0.18	mg/Kg dry	1		SW-846 8270D	8/10/17	8/11/17 18:57	CDT
Fluoranthene	1.8	0.18	mg/Kg dry	1		SW-846 8270D	8/10/17	8/11/17 18:57	CDT
Fluorene	ND	0.18	mg/Kg dry	1		SW-846 8270D	8/10/17	8/11/17 18:57	CDT
Indeno(1,2,3-cd)pyrene	0.97	0.18	mg/Kg dry	1		SW-846 8270D	8/10/17	8/11/17 18:57	CDT
2-Methylnaphthalene	ND	0.18	mg/Kg dry	1		SW-846 8270D	8/10/17	8/11/17 18:57	CDT
Naphthalene	ND	0.18	mg/Kg dry	1		SW-846 8270D	8/10/17	8/11/17 18:57	CDT
Phenanthrene	0.47	0.18	mg/Kg dry	1		SW-846 8270D	8/10/17	8/11/17 18:57	CDT
Pyrene	2.3	0.18	mg/Kg dry	1		SW-846 8270D	8/10/17	8/11/17 18:57	CDT
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Nitrobenzene-d5	66.0	30-130							
2-Fluorobiphenyl	62.5	30-130							
p-Terphenyl-d14	70.6	30-130							

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

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

Sample Description:

Work Order: 17H0196

Date Received: 8/3/2017

Field Sample #: WS-AOC2-SO-2-1

Sampled: 8/3/2017 09:10

Sample ID: 17H0196-01

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	0.11	mg/Kg dry	5		SW-846 8082A	8/12/17	8/15/17 23:30	KAL
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/12/17	8/15/17 23:30	KAL
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/12/17	8/15/17 23:30	KAL
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/12/17	8/15/17 23:30	KAL
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/12/17	8/15/17 23:30	KAL
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/12/17	8/15/17 23:30	KAL
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/12/17	8/15/17 23:30	KAL
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/12/17	8/15/17 23:30	KAL
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/12/17	8/15/17 23:30	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	91.9	30-150						8/15/17 23:30	
Decachlorobiphenyl [2]	83.5	30-150						8/15/17 23:30	
Tetrachloro-m-xylene [1]	95.7	30-150						8/15/17 23:30	
Tetrachloro-m-xylene [2]	87.7	30-150						8/15/17 23:30	

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

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

Sample Description:

Work Order: 17H0196

Date Received: 8/3/2017

Field Sample #: WS-AOC2-SO-2-1

Sampled: 8/3/2017 09:10

Sample ID: 17H0196-01

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	210	54	mg/Kg dry	5		CTDEP ETPH	8/10/17	8/11/17 1:27	SCS
Surrogates	% Recovery		Recovery Limits		Flag/Qual				
o-Terphenyl	69.0		50-150					8/11/17 1:27	

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

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

Sample Description:

Work Order: 17H0196

Date Received: 8/3/2017

Field Sample #: WS-AOC2-SO-2-1

Sampled: 8/3/2017 09:10

Sample ID: 17H0196-01

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	92.5		% Wt	1		SM 2540G	8/9/17	8/10/17 6:02	MRL

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

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

Sample Description:

Work Order: 17H0196

Date Received: 8/3/2017

Field Sample #: WS-AOC2-SO-2-2

Sampled: 8/3/2017 09:11

Sample ID: 17H0196-02

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	0.069	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 10:18	MFF
Acrylonitrile	ND	0.0041	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 10:18	MFF
Benzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 10:18	MFF
Bromobenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 10:18	MFF
Bromodichloromethane	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 10:18	MFF
Bromoform	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 10:18	MFF
Bromomethane	ND	0.0069	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 10:18	MFF
2-Butanone (MEK)	ND	0.027	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 10:18	MFF
n-Butylbenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 10:18	MFF
sec-Butylbenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 10:18	MFF
tert-Butylbenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 10:18	MFF
Carbon Disulfide	ND	0.0041	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 10:18	MFF
Carbon Tetrachloride	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 10:18	MFF
Chlorobenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 10:18	MFF
Chlorodibromomethane	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 10:18	MFF
Chloroethane	ND	0.014	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 10:18	MFF
Chloroform	ND	0.0027	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 10:18	MFF
Chloromethane	ND	0.0069	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 10:18	MFF
2-Chlorotoluene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 10:18	MFF
4-Chlorotoluene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 10:18	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0027	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 10:18	MFF
1,2-Dibromoethane (EDB)	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 10:18	MFF
Dibromomethane	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 10:18	MFF
1,2-Dichlorobenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 10:18	MFF
1,3-Dichlorobenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 10:18	MFF
1,4-Dichlorobenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 10:18	MFF
trans-1,4-Dichloro-2-butene	ND	0.0027	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 10:18	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.014	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 10:18	MFF
1,1-Dichloroethane	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 10:18	MFF
1,2-Dichloroethane	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 10:18	MFF
1,1-Dichloroethylene	ND	0.0027	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 10:18	MFF
cis-1,2-Dichloroethylene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 10:18	MFF
trans-1,2-Dichloroethylene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 10:18	MFF
1,2-Dichloropropane	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 10:18	MFF
1,3-Dichloropropane	ND	0.00069	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 10:18	MFF
2,2-Dichloropropane	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 10:18	MFF
1,1-Dichloropropene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 10:18	MFF
cis-1,3-Dichloropropene	ND	0.00069	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 10:18	MFF
trans-1,3-Dichloropropene	ND	0.00069	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 10:18	MFF
Ethylbenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 10:18	MFF
Hexachlorobutadiene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 10:18	MFF
2-Hexanone (MBK)	ND	0.014	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 10:18	MFF
Isopropylbenzene (Cumene)	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 10:18	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 10:18	MFF

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

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

Sample Description:

Work Order: 17H0196

Date Received: 8/3/2017

Field Sample #: WS-AOC2-SO-2-2

Sampled: 8/3/2017 09:11

Sample ID: 17H0196-02

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	8/8/17	8/8/17 10:18	MFF
Methylene Chloride	ND	0.014	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 10:18	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.014	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 10:18	MFF
Naphthalene	ND	0.0027	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 10:18	MFF
n-Propylbenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 10:18	MFF
Styrene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 10:18	MFF
1,1,1,2-Tetrachloroethane	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 10:18	MFF
1,1,2,2-Tetrachloroethane	ND	0.00069	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 10:18	MFF
Tetrachloroethylene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 10:18	MFF
Tetrahydrofuran	ND	0.0069	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 10:18	MFF
Toluene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 10:18	MFF
1,2,3-Trichlorobenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 10:18	MFF
1,2,4-Trichlorobenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 10:18	MFF
1,1,1-Trichloroethane	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 10:18	MFF
1,1,2-Trichloroethane	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 10:18	MFF
Trichloroethylene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 10:18	MFF
Trichlorofluoromethane (Freon 11)	ND	0.0069	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 10:18	MFF
1,2,3-Trichloropropane	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 10:18	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0069	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 10:18	MFF
1,2,4-Trimethylbenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 10:18	MFF
1,3,5-Trimethylbenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 10:18	MFF
Vinyl Chloride	ND	0.0069	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 10:18	MFF
m+p Xylene	ND	0.0027	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 10:18	MFF
o-Xylene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 10:18	MFF
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
1,2-Dichloroethane-d4	91.9	70-130						8/8/17 10:18	
Toluene-d8	93.2	70-130						8/8/17 10:18	
4-Bromofluorobenzene	84.4	70-130						8/8/17 10:18	

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

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

Sample Description:

Work Order: 17H0196

Date Received: 8/3/2017

Field Sample #: WS-AOC2-SO-2-2

Sampled: 8/3/2017 09:11

Sample ID: 17H0196-02

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	8/10/17	8/11/17 19:22	CDT
Acenaphthylene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/10/17	8/11/17 19:22	CDT
Anthracene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/10/17	8/11/17 19:22	CDT
Benzo(a)anthracene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/10/17	8/11/17 19:22	CDT
Benzo(a)pyrene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/10/17	8/11/17 19:22	CDT
Benzo(b)fluoranthene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/10/17	8/11/17 19:22	CDT
Benzo(g,h,i)perylene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/10/17	8/11/17 19:22	CDT
Benzo(k)fluoranthene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/10/17	8/11/17 19:22	CDT
Chrysene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/10/17	8/11/17 19:22	CDT
Dibenz(a,h)anthracene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/10/17	8/11/17 19:22	CDT
Fluoranthene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/10/17	8/11/17 19:22	CDT
Fluorene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/10/17	8/11/17 19:22	CDT
Indeno(1,2,3-cd)pyrene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/10/17	8/11/17 19:22	CDT
2-Methylnaphthalene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/10/17	8/11/17 19:22	CDT
Naphthalene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/10/17	8/11/17 19:22	CDT
Phenanthrene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/10/17	8/11/17 19:22	CDT
Pyrene	0.21	0.19	mg/Kg dry	1		SW-846 8270D	8/10/17	8/11/17 19:22	CDT
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Nitrobenzene-d5	82.8	30-130							
2-Fluorobiphenyl	79.6	30-130							
p-Terphenyl-d14	89.8	30-130							

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

Sample Description:

Work Order: 17H0196

Date Received: 8/3/2017

Field Sample #: WS-AOC2-SO-2-2

Sampled: 8/3/2017 09:11

Sample ID: 17H0196-02

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	0.11	mg/Kg dry	5		SW-846 8082A	8/12/17	8/15/17 23:48	KAL
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/12/17	8/15/17 23:48	KAL
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/12/17	8/15/17 23:48	KAL
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/12/17	8/15/17 23:48	KAL
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/12/17	8/15/17 23:48	KAL
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/12/17	8/15/17 23:48	KAL
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/12/17	8/15/17 23:48	KAL
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/12/17	8/15/17 23:48	KAL
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/12/17	8/15/17 23:48	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	98.7	30-150							
Decachlorobiphenyl [2]	90.4	30-150							
Tetrachloro-m-xylene [1]	97.4	30-150							
Tetrachloro-m-xylene [2]	91.9	30-150							

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

Sample Description:

Work Order: 17H0196

Date Received: 8/3/2017

Field Sample #: WS-AOC2-SO-2-2

Sampled: 8/3/2017 09:11

Sample ID: 17H0196-02

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	720	110	mg/Kg dry	10		CTDEP ETPH	8/10/17	8/11/17 1:45	SCS
Surrogates	% Recovery		Recovery Limits		Flag/Qual				
o-Terphenyl	95.5		50-150					8/11/17 1:45	

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

Sample Description:

Work Order: 17H0196

Date Received: 8/3/2017

Field Sample #: WS-AOC2-SO-2-2

Sampled: 8/3/2017 09:11

Sample ID: 17H0196-02

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	89.6		% Wt	1		SM 2540G	8/9/17	8/10/17 6:02	MRL

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

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

Sample Description:

Work Order: 17H0196

Date Received: 8/3/2017

Field Sample #: WS-AOC2-SO-3-1

Sampled: 8/3/2017 09:35

Sample ID: 17H0196-03

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	0.072	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 10:46	MFF
Acrylonitrile	ND	0.0043	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 10:46	MFF
Benzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 10:46	MFF
Bromobenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 10:46	MFF
Bromodichloromethane	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 10:46	MFF
Bromoform	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 10:46	MFF
Bromomethane	ND	0.0072	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 10:46	MFF
2-Butanone (MEK)	ND	0.029	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 10:46	MFF
n-Butylbenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 10:46	MFF
sec-Butylbenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 10:46	MFF
tert-Butylbenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 10:46	MFF
Carbon Disulfide	ND	0.0043	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 10:46	MFF
Carbon Tetrachloride	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 10:46	MFF
Chlorobenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 10:46	MFF
Chlorodibromomethane	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 10:46	MFF
Chloroethane	ND	0.014	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 10:46	MFF
Chloroform	ND	0.0029	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 10:46	MFF
Chloromethane	ND	0.0072	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 10:46	MFF
2-Chlorotoluene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 10:46	MFF
4-Chlorotoluene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 10:46	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0029	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 10:46	MFF
1,2-Dibromoethane (EDB)	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 10:46	MFF
Dibromomethane	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 10:46	MFF
1,2-Dichlorobenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 10:46	MFF
1,3-Dichlorobenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 10:46	MFF
1,4-Dichlorobenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 10:46	MFF
trans-1,4-Dichloro-2-butene	ND	0.0029	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 10:46	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.014	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 10:46	MFF
1,1-Dichloroethane	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 10:46	MFF
1,2-Dichloroethane	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 10:46	MFF
1,1-Dichloroethylene	ND	0.0029	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 10:46	MFF
cis-1,2-Dichloroethylene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 10:46	MFF
trans-1,2-Dichloroethylene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 10:46	MFF
1,2-Dichloropropane	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 10:46	MFF
1,3-Dichloropropane	ND	0.00072	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 10:46	MFF
2,2-Dichloropropane	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 10:46	MFF
1,1-Dichloropropene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 10:46	MFF
cis-1,3-Dichloropropene	ND	0.00072	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 10:46	MFF
trans-1,3-Dichloropropene	ND	0.00072	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 10:46	MFF
Ethylbenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 10:46	MFF
Hexachlorobutadiene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 10:46	MFF
2-Hexanone (MBK)	ND	0.014	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 10:46	MFF
Isopropylbenzene (Cumene)	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 10:46	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 10:46	MFF

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

Sample Description:

Work Order: 17H0196

Date Received: 8/3/2017

Field Sample #: WS-AOC2-SO-3-1

Sampled: 8/3/2017 09:35

Sample ID: 17H0196-03

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	0.0029	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 10:46	MFF
Methylene Chloride	ND	0.014	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 10:46	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.014	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 10:46	MFF
Naphthalene	ND	0.0029	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 10:46	MFF
n-Propylbenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 10:46	MFF
Styrene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 10:46	MFF
1,1,1,2-Tetrachloroethane	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 10:46	MFF
1,1,2,2-Tetrachloroethane	ND	0.00072	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 10:46	MFF
Tetrachloroethylene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 10:46	MFF
Tetrahydrofuran	ND	0.0072	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 10:46	MFF
Toluene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 10:46	MFF
1,2,3-Trichlorobenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 10:46	MFF
1,2,4-Trichlorobenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 10:46	MFF
1,1,1-Trichloroethane	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 10:46	MFF
1,1,2-Trichloroethane	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 10:46	MFF
Trichloroethylene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 10:46	MFF
Trichlorofluoromethane (Freon 11)	ND	0.0072	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 10:46	MFF
1,2,3-Trichloropropane	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 10:46	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0072	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 10:46	MFF
1,2,4-Trimethylbenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 10:46	MFF
1,3,5-Trimethylbenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 10:46	MFF
Vinyl Chloride	ND	0.0072	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 10:46	MFF
m+p Xylene	ND	0.0029	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 10:46	MFF
o-Xylene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 10:46	MFF
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
1,2-Dichloroethane-d4	98.6	70-130						8/8/17 10:46	
Toluene-d8	91.2	70-130						8/8/17 10:46	
4-Bromofluorobenzene	91.8	70-130						8/8/17 10:46	

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

Sample Description:

Work Order: 17H0196

Date Received: 8/3/2017

Field Sample #: WS-AOC2-SO-3-1

Sampled: 8/3/2017 09:35

Sample ID: 17H0196-03

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	8/10/17	8/11/17 19:46	CDT
Acenaphthylene	ND	0.18	mg/Kg dry	1		SW-846 8270D	8/10/17	8/11/17 19:46	CDT
Anthracene	0.20	0.18	mg/Kg dry	1		SW-846 8270D	8/10/17	8/11/17 19:46	CDT
Benzo(a)anthracene	0.73	0.18	mg/Kg dry	1	MS-09	SW-846 8270D	8/10/17	8/11/17 19:46	CDT
Benzo(a)pyrene	0.82	0.18	mg/Kg dry	1		SW-846 8270D	8/10/17	8/11/17 19:46	CDT
Benzo(b)fluoranthene	1.1	0.18	mg/Kg dry	1		SW-846 8270D	8/10/17	8/11/17 19:46	CDT
Benzo(g,h,i)perylene	0.49	0.18	mg/Kg dry	1	MS-09	SW-846 8270D	8/10/17	8/11/17 19:46	CDT
Benzo(k)fluoranthene	0.34	0.18	mg/Kg dry	1		SW-846 8270D	8/10/17	8/11/17 19:46	CDT
Chrysene	0.63	0.18	mg/Kg dry	1	MS-09	SW-846 8270D	8/10/17	8/11/17 19:46	CDT
Dibenz(a,h)anthracene	ND	0.18	mg/Kg dry	1		SW-846 8270D	8/10/17	8/11/17 19:46	CDT
Fluoranthene	1.6	0.18	mg/Kg dry	1	MS-09	SW-846 8270D	8/10/17	8/11/17 19:46	CDT
Fluorene	ND	0.18	mg/Kg dry	1		SW-846 8270D	8/10/17	8/11/17 19:46	CDT
Indeno(1,2,3-cd)pyrene	0.53	0.18	mg/Kg dry	1		SW-846 8270D	8/10/17	8/11/17 19:46	CDT
2-Methylnaphthalene	ND	0.18	mg/Kg dry	1		SW-846 8270D	8/10/17	8/11/17 19:46	CDT
Naphthalene	ND	0.18	mg/Kg dry	1		SW-846 8270D	8/10/17	8/11/17 19:46	CDT
Phenanthrene	0.89	0.18	mg/Kg dry	1		SW-846 8270D	8/10/17	8/11/17 19:46	CDT
Pyrene	1.6	0.18	mg/Kg dry	1	MS-09	SW-846 8270D	8/10/17	8/11/17 19:46	CDT
Surrogates	% Recovery	Recovery Limits			Flag/Qual				
Nitrobenzene-d5	76.2	30-130						8/11/17 19:46	
2-Fluorobiphenyl	72.2	30-130						8/11/17 19:46	
p-Terphenyl-d14	82.9	30-130						8/11/17 19:46	

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

Sample Description:

Work Order: 17H0196

Date Received: 8/3/2017

Field Sample #: WS-AOC2-SO-3-1

Sampled: 8/3/2017 09:35

Sample ID: 17H0196-03

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	5		SW-846 8082A	8/12/17	8/16/17 0:06	KAL
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/12/17	8/16/17 0:06	KAL
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/12/17	8/16/17 0:06	KAL
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/12/17	8/16/17 0:06	KAL
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/12/17	8/16/17 0:06	KAL
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/12/17	8/16/17 0:06	KAL
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/12/17	8/16/17 0:06	KAL
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/12/17	8/16/17 0:06	KAL
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/12/17	8/16/17 0:06	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	93.3	30-150						8/16/17 0:06	
Decachlorobiphenyl [2]	86.3	30-150						8/16/17 0:06	
Tetrachloro-m-xylene [1]	94.5	30-150						8/16/17 0:06	
Tetrachloro-m-xylene [2]	87.8	30-150						8/16/17 0:06	

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

Sample Description:

Work Order: 17H0196

Date Received: 8/3/2017

Field Sample #: WS-AOC2-SO-3-1

Sampled: 8/3/2017 09:35

Sample ID: 17H0196-03

Sample Matrix: Soil

Petrolium Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	140	54	mg/Kg dry	5		CTDEP ETPH	8/10/17	8/11/17 2:03	SCS
Surrogates	% Recovery		Recovery Limits		Flag/Qual				
o-Terphenyl	72.5		50-150					8/11/17 2:03	

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

Sample Description:

Work Order: 17H0196

Date Received: 8/3/2017

Field Sample #: WS-AOC2-SO-3-1

Sampled: 8/3/2017 09:35

Sample ID: 17H0196-03

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	92.1		% Wt	1		SM 2540G	8/9/17	8/10/17 6:02	MRL

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

Sample Description:

Work Order: 17H0196

Date Received: 8/3/2017

Field Sample #: WS-AOC2-SO-3-2

Sampled: 8/3/2017 09:36

Sample ID: 17H0196-04

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	0.064	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 11:13	MFF
Acrylonitrile	ND	0.0039	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 11:13	MFF
Benzene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 11:13	MFF
Bromobenzene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 11:13	MFF
Bromodichloromethane	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 11:13	MFF
Bromoform	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 11:13	MFF
Bromomethane	ND	0.0064	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 11:13	MFF
2-Butanone (MEK)	ND	0.026	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 11:13	MFF
n-Butylbenzene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 11:13	MFF
sec-Butylbenzene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 11:13	MFF
tert-Butylbenzene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 11:13	MFF
Carbon Disulfide	ND	0.0039	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 11:13	MFF
Carbon Tetrachloride	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 11:13	MFF
Chlorobenzene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 11:13	MFF
Chlorodibromomethane	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 11:13	MFF
Chloroethane	ND	0.013	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 11:13	MFF
Chloroform	ND	0.0026	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 11:13	MFF
Chloromethane	ND	0.0064	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 11:13	MFF
2-Chlorotoluene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 11:13	MFF
4-Chlorotoluene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 11:13	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0026	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 11:13	MFF
1,2-Dibromoethane (EDB)	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 11:13	MFF
Dibromomethane	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 11:13	MFF
1,2-Dichlorobenzene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 11:13	MFF
1,3-Dichlorobenzene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 11:13	MFF
1,4-Dichlorobenzene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 11:13	MFF
trans-1,4-Dichloro-2-butene	ND	0.0026	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 11:13	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.013	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 11:13	MFF
1,1-Dichloroethane	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 11:13	MFF
1,2-Dichloroethane	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 11:13	MFF
1,1-Dichloroethylene	ND	0.0026	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 11:13	MFF
cis-1,2-Dichloroethylene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 11:13	MFF
trans-1,2-Dichloroethylene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 11:13	MFF
1,2-Dichloropropane	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 11:13	MFF
1,3-Dichloropropane	ND	0.00064	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 11:13	MFF
2,2-Dichloropropane	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 11:13	MFF
1,1-Dichloropropene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 11:13	MFF
cis-1,3-Dichloropropene	ND	0.00064	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 11:13	MFF
trans-1,3-Dichloropropene	ND	0.00064	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 11:13	MFF
Ethylbenzene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 11:13	MFF
Hexachlorobutadiene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 11:13	MFF
2-Hexanone (MBK)	ND	0.013	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 11:13	MFF
Isopropylbenzene (Cumene)	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 11:13	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 11:13	MFF

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

Sample Description:

Work Order: 17H0196

Date Received: 8/3/2017

Field Sample #: WS-AOC2-SO-3-2

Sampled: 8/3/2017 09:36

Sample ID: 17H0196-04

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	0.0026	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 11:13	MFF
Methylene Chloride	ND	0.013	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 11:13	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.013	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 11:13	MFF
Naphthalene	ND	0.0026	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 11:13	MFF
n-Propylbenzene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 11:13	MFF
Styrene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 11:13	MFF
1,1,1,2-Tetrachloroethane	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 11:13	MFF
1,1,2,2-Tetrachloroethane	ND	0.00064	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 11:13	MFF
Tetrachloroethylene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 11:13	MFF
Tetrahydrofuran	ND	0.0064	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 11:13	MFF
Toluene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 11:13	MFF
1,2,3-Trichlorobenzene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 11:13	MFF
1,2,4-Trichlorobenzene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 11:13	MFF
1,1,1-Trichloroethane	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 11:13	MFF
1,1,2-Trichloroethane	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 11:13	MFF
Trichloroethylene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 11:13	MFF
Trichlorofluoromethane (Freon 11)	ND	0.0064	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 11:13	MFF
1,2,3-Trichloropropane	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 11:13	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0064	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 11:13	MFF
1,2,4-Trimethylbenzene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 11:13	MFF
1,3,5-Trimethylbenzene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 11:13	MFF
Vinyl Chloride	ND	0.0064	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 11:13	MFF
m+p Xylene	ND	0.0026	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 11:13	MFF
o-Xylene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 11:13	MFF
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
1,2-Dichloroethane-d4	92.9	70-130							
Toluene-d8	94.3	70-130							
4-Bromofluorobenzene	86.4	70-130							

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

Sample Description:

Work Order: 17H0196

Date Received: 8/3/2017

Field Sample #: WS-AOC2-SO-3-2

Sampled: 8/3/2017 09:36

Sample ID: 17H0196-04

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	0.19	mg/Kg dry	1		SW-846 8270D	8/10/17	8/11/17 20:11	CDT
Acenaphthylene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/10/17	8/11/17 20:11	CDT
Anthracene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/10/17	8/11/17 20:11	CDT
Benzo(a)anthracene	0.20	0.19	mg/Kg dry	1		SW-846 8270D	8/10/17	8/11/17 20:11	CDT
Benzo(a)pyrene	0.33	0.19	mg/Kg dry	1		SW-846 8270D	8/10/17	8/11/17 20:11	CDT
Benzo(b)fluoranthene	0.40	0.19	mg/Kg dry	1		SW-846 8270D	8/10/17	8/11/17 20:11	CDT
Benzo(g,h,i)perylene	0.26	0.19	mg/Kg dry	1		SW-846 8270D	8/10/17	8/11/17 20:11	CDT
Benzo(k)fluoranthene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/10/17	8/11/17 20:11	CDT
Chrysene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/10/17	8/11/17 20:11	CDT
Dibenz(a,h)anthracene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/10/17	8/11/17 20:11	CDT
Fluoranthene	0.30	0.19	mg/Kg dry	1		SW-846 8270D	8/10/17	8/11/17 20:11	CDT
Fluorene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/10/17	8/11/17 20:11	CDT
Indeno(1,2,3-cd)pyrene	0.26	0.19	mg/Kg dry	1		SW-846 8270D	8/10/17	8/11/17 20:11	CDT
2-Methylnaphthalene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/10/17	8/11/17 20:11	CDT
Naphthalene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/10/17	8/11/17 20:11	CDT
Phenanthrene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/10/17	8/11/17 20:11	CDT
Pyrene	0.46	0.19	mg/Kg dry	1		SW-846 8270D	8/10/17	8/11/17 20:11	CDT
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Nitrobenzene-d5	74.3	30-130							
2-Fluorobiphenyl	68.4	30-130							
p-Terphenyl-d14	81.5	30-130							

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

Sample Description:

Work Order: 17H0196

Date Received: 8/3/2017

Field Sample #: WS-AOC2-SO-3-2

Sampled: 8/3/2017 09:36

Sample ID: 17H0196-04

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	0.11	mg/Kg dry	5		SW-846 8082A	8/12/17	8/16/17 0:24	KAL
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/12/17	8/16/17 0:24	KAL
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/12/17	8/16/17 0:24	KAL
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/12/17	8/16/17 0:24	KAL
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/12/17	8/16/17 0:24	KAL
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/12/17	8/16/17 0:24	KAL
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/12/17	8/16/17 0:24	KAL
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/12/17	8/16/17 0:24	KAL
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/12/17	8/16/17 0:24	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	92.0	30-150							
Decachlorobiphenyl [2]	83.8	30-150							
Tetrachloro-m-xylene [1]	87.0	30-150							
Tetrachloro-m-xylene [2]	81.5	30-150							

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

Sample Description:

Work Order: 17H0196

Date Received: 8/3/2017

Field Sample #: WS-AOC2-SO-3-2

Sampled: 8/3/2017 09:36

Sample ID: 17H0196-04

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	29	11	mg/Kg dry	1		CTDEP ETPH	8/10/17	8/10/17 23:58	SCS
Surrogates	% Recovery		Recovery Limits		Flag/Qual				
o-Terphenyl	80.2		50-150				8/10/17 23:58		

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

Sample Description:

Work Order: 17H0196

Date Received: 8/3/2017

Field Sample #: WS-AOC2-SO-3-2

Sampled: 8/3/2017 09:36

Sample ID: 17H0196-04

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	89.2		% Wt	1		SM 2540G	8/9/17	8/10/17 6:02	MRL

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

Sample Description:

Work Order: 17H0196

Date Received: 8/3/2017

Field Sample #: WS-AOC2-SO-1-1

Sampled: 8/3/2017 10:35

Sample ID: 17H0196-05

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	8/8/17	8/8/17 11:40	MFF
Acrylonitrile	ND	0.0042	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 11:40	MFF
Benzene	0.0021	0.0014	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 11:40	MFF
Bromobenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 11:40	MFF
Bromodichloromethane	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 11:40	MFF
Bromoform	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 11:40	MFF
Bromomethane	ND	0.0069	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 11:40	MFF
2-Butanone (MEK)	ND	0.028	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 11:40	MFF
n-Butylbenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 11:40	MFF
sec-Butylbenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 11:40	MFF
tert-Butylbenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 11:40	MFF
Carbon Disulfide	ND	0.0042	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 11:40	MFF
Carbon Tetrachloride	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 11:40	MFF
Chlorobenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 11:40	MFF
Chlorodibromomethane	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 11:40	MFF
Chloroethane	ND	0.014	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 11:40	MFF
Chloroform	ND	0.0028	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 11:40	MFF
Chloromethane	ND	0.0069	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 11:40	MFF
2-Chlorotoluene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 11:40	MFF
4-Chlorotoluene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 11:40	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0028	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 11:40	MFF
1,2-Dibromoethane (EDB)	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 11:40	MFF
Dibromomethane	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 11:40	MFF
1,2-Dichlorobenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 11:40	MFF
1,3-Dichlorobenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 11:40	MFF
1,4-Dichlorobenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 11:40	MFF
trans-1,4-Dichloro-2-butene	ND	0.0028	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 11:40	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.014	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 11:40	MFF
1,1-Dichloroethane	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 11:40	MFF
1,2-Dichloroethane	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 11:40	MFF
1,1-Dichloroethylene	ND	0.0028	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 11:40	MFF
cis-1,2-Dichloroethylene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 11:40	MFF
trans-1,2-Dichloroethylene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 11:40	MFF
1,2-Dichloropropane	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 11:40	MFF
1,3-Dichloropropane	ND	0.00069	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 11:40	MFF
2,2-Dichloropropane	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 11:40	MFF
1,1-Dichloropropene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 11:40	MFF
cis-1,3-Dichloropropene	ND	0.00069	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 11:40	MFF
trans-1,3-Dichloropropene	ND	0.00069	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 11:40	MFF
Ethylbenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 11:40	MFF
Hexachlorobutadiene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 11:40	MFF
2-Hexanone (MBK)	ND	0.014	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 11:40	MFF
Isopropylbenzene (Cumene)	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 11:40	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 11:40	MFF

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

Sample Description:

Work Order: 17H0196

Date Received: 8/3/2017

Field Sample #: WS-AOC2-SO-1-1

Sampled: 8/3/2017 10:35

Sample ID: 17H0196-05

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	0.0028	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 11:40	MFF
Methylene Chloride	ND	0.014	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 11:40	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.014	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 11:40	MFF
Naphthalene	ND	0.0028	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 11:40	MFF
n-Propylbenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 11:40	MFF
Styrene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 11:40	MFF
1,1,1,2-Tetrachloroethane	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 11:40	MFF
1,1,2,2-Tetrachloroethane	ND	0.00069	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 11:40	MFF
Tetrachloroethylene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 11:40	MFF
Tetrahydrofuran	ND	0.0069	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 11:40	MFF
Toluene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 11:40	MFF
1,2,3-Trichlorobenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 11:40	MFF
1,2,4-Trichlorobenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 11:40	MFF
1,1,1-Trichloroethane	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 11:40	MFF
1,1,2-Trichloroethane	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 11:40	MFF
Trichloroethylene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 11:40	MFF
Trichlorofluoromethane (Freon 11)	ND	0.0069	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 11:40	MFF
1,2,3-Trichloropropane	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 11:40	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0069	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 11:40	MFF
1,2,4-Trimethylbenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 11:40	MFF
1,3,5-Trimethylbenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 11:40	MFF
Vinyl Chloride	ND	0.0069	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 11:40	MFF
m+p Xylene	ND	0.0028	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 11:40	MFF
o-Xylene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 11:40	MFF
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
1,2-Dichloroethane-d4	93.2	70-130						8/8/17 11:40	
Toluene-d8	93.1	70-130						8/8/17 11:40	
4-Bromofluorobenzene	86.0	70-130						8/8/17 11:40	

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

Sample Description:

Work Order: 17H0196

Date Received: 8/3/2017

Field Sample #: WS-AOC2-SO-1-1

Sampled: 8/3/2017 10:35

Sample ID: 17H0196-05

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	8/10/17	8/11/17 20:35	CDT
Acenaphthene	ND	0.76	mg/Kg dry	4		SW-846 8270D	8/10/17	8/14/17 12:25	BGL
Acenaphthylene	0.58	0.19	mg/Kg dry	1		SW-846 8270D	8/10/17	8/11/17 20:35	CDT
Acenaphthylene	ND	0.76	mg/Kg dry	4		SW-846 8270D	8/10/17	8/14/17 12:25	BGL
Anthracene	1.1	0.19	mg/Kg dry	1		SW-846 8270D	8/10/17	8/11/17 20:35	CDT
Anthracene	0.95	0.76	mg/Kg dry	4		SW-846 8270D	8/10/17	8/14/17 12:25	BGL
Benzo(a)anthracene	3.3	0.19	mg/Kg dry	1		SW-846 8270D	8/10/17	8/11/17 20:35	CDT
Benzo(a)anthracene	3.0	0.76	mg/Kg dry	4		SW-846 8270D	8/10/17	8/14/17 12:25	BGL
Benzo(a)pyrene	3.7	0.19	mg/Kg dry	1		SW-846 8270D	8/10/17	8/11/17 20:35	CDT
Benzo(a)pyrene	3.2	0.76	mg/Kg dry	4		SW-846 8270D	8/10/17	8/14/17 12:25	BGL
Benzo(b)fluoranthene	4.2	0.19	mg/Kg dry	1		SW-846 8270D	8/10/17	8/11/17 20:35	CDT
Benzo(b)fluoranthene	3.9	0.76	mg/Kg dry	4		SW-846 8270D	8/10/17	8/14/17 12:25	BGL
Benzo(g,h,i)perylene	2.1	0.19	mg/Kg dry	1		SW-846 8270D	8/10/17	8/11/17 20:35	CDT
Benzo(g,h,i)perylene	1.8	0.76	mg/Kg dry	4		SW-846 8270D	8/10/17	8/14/17 12:25	BGL
Benzo(k)fluoranthene	1.5	0.19	mg/Kg dry	1		SW-846 8270D	8/10/17	8/11/17 20:35	CDT
Benzo(k)fluoranthene	1.5	0.76	mg/Kg dry	4		SW-846 8270D	8/10/17	8/14/17 12:25	BGL
Chrysene	2.9	0.19	mg/Kg dry	1		SW-846 8270D	8/10/17	8/11/17 20:35	CDT
Chrysene	2.8	0.76	mg/Kg dry	4		SW-846 8270D	8/10/17	8/14/17 12:25	BGL
Dibenz(a,h)anthracene	0.52	0.19	mg/Kg dry	1		SW-846 8270D	8/10/17	8/11/17 20:35	CDT
Dibenz(a,h)anthracene	ND	0.76	mg/Kg dry	4		SW-846 8270D	8/10/17	8/14/17 12:25	BGL
Fluoranthene	8.9	0.19	mg/Kg dry	1	E	SW-846 8270D	8/10/17	8/11/17 20:35	CDT
Fluoranthene	7.5	0.76	mg/Kg dry	4		SW-846 8270D	8/10/17	8/14/17 12:25	BGL
Fluorene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/10/17	8/11/17 20:35	CDT
Fluorene	ND	0.76	mg/Kg dry	4		SW-846 8270D	8/10/17	8/14/17 12:25	BGL
Indeno(1,2,3-cd)pyrene	2.0	0.19	mg/Kg dry	1		SW-846 8270D	8/10/17	8/11/17 20:35	CDT
Indeno(1,2,3-cd)pyrene	1.8	0.76	mg/Kg dry	4		SW-846 8270D	8/10/17	8/14/17 12:25	BGL
2-Methylnaphthalene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/10/17	8/11/17 20:35	CDT
2-Methylnaphthalene	ND	0.76	mg/Kg dry	4		SW-846 8270D	8/10/17	8/14/17 12:25	BGL
Naphthalene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/10/17	8/11/17 20:35	CDT
Naphthalene	ND	0.76	mg/Kg dry	4		SW-846 8270D	8/10/17	8/14/17 12:25	BGL
Phenanthrene	2.1	0.19	mg/Kg dry	1		SW-846 8270D	8/10/17	8/11/17 20:35	CDT
Phenanthrene	2.0	0.76	mg/Kg dry	4		SW-846 8270D	8/10/17	8/14/17 12:25	BGL
Pyrene	10	0.19	mg/Kg dry	1	E	SW-846 8270D	8/10/17	8/11/17 20:35	CDT
Pyrene	7.8	0.76	mg/Kg dry	4		SW-846 8270D	8/10/17	8/14/17 12:25	BGL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Nitrobenzene-d5	59.6	30-130							
Nitrobenzene-d5	60.2	30-130							
2-Fluorobiphenyl	60.1	30-130							
2-Fluorobiphenyl	55.5	30-130							
p-Terphenyl-d14	73.7	30-130							
p-Terphenyl-d14	58.6	30-130							

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

Sample Description:

Work Order: 17H0196

Date Received: 8/3/2017

Field Sample #: WS-AOC2-SO-1-1

Sampled: 8/3/2017 10:35

Sample ID: 17H0196-05

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	0.11	mg/Kg dry	5		SW-846 8082A	8/12/17	8/16/17 0:43	KAL
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/12/17	8/16/17 0:43	KAL
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/12/17	8/16/17 0:43	KAL
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/12/17	8/16/17 0:43	KAL
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/12/17	8/16/17 0:43	KAL
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/12/17	8/16/17 0:43	KAL
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/12/17	8/16/17 0:43	KAL
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/12/17	8/16/17 0:43	KAL
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/12/17	8/16/17 0:43	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	90.0	30-150							
Decachlorobiphenyl [2]	84.6	30-150							
Tetrachloro-m-xylene [1]	88.6	30-150							
Tetrachloro-m-xylene [2]	80.4	30-150							

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

Sample Description:

Work Order: 17H0196

Date Received: 8/3/2017

Field Sample #: WS-AOC2-SO-1-1

Sampled: 8/3/2017 10:35

Sample ID: 17H0196-05

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	370	56	mg/Kg dry	5		CTDEP ETPH	8/10/17	8/11/17 2:56	SCS
Surrogates	% Recovery		Recovery Limits		Flag/Qual				
o-Terphenyl	65.6		50-150					8/11/17 2:56	

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

Sample Description:

Work Order: 17H0196

Date Received: 8/3/2017

Field Sample #: WS-AOC2-SO-1-1

Sampled: 8/3/2017 10:35

Sample ID: 17H0196-05

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	90.0		% Wt	1		SM 2540G	8/9/17	8/10/17 6:02	MRL

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

Sample Description:

Work Order: 17H0196

Date Received: 8/3/2017

Field Sample #: WS-AOC2-SO-1-2

Sampled: 8/3/2017 10:36

Sample ID: 17H0196-06

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	0.066	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 12:07	MFF
Acrylonitrile	ND	0.0040	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 12:07	MFF
Benzene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 12:07	MFF
Bromobenzene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 12:07	MFF
Bromodichloromethane	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 12:07	MFF
Bromoform	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 12:07	MFF
Bromomethane	ND	0.0066	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 12:07	MFF
2-Butanone (MEK)	ND	0.026	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 12:07	MFF
n-Butylbenzene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 12:07	MFF
sec-Butylbenzene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 12:07	MFF
tert-Butylbenzene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 12:07	MFF
Carbon Disulfide	ND	0.0040	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 12:07	MFF
Carbon Tetrachloride	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 12:07	MFF
Chlorobenzene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 12:07	MFF
Chlorodibromomethane	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 12:07	MFF
Chloroethane	ND	0.013	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 12:07	MFF
Chloroform	ND	0.0026	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 12:07	MFF
Chloromethane	ND	0.0066	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 12:07	MFF
2-Chlorotoluene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 12:07	MFF
4-Chlorotoluene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 12:07	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0026	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 12:07	MFF
1,2-Dibromoethane (EDB)	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 12:07	MFF
Dibromomethane	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 12:07	MFF
1,2-Dichlorobenzene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 12:07	MFF
1,3-Dichlorobenzene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 12:07	MFF
1,4-Dichlorobenzene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 12:07	MFF
trans-1,4-Dichloro-2-butene	ND	0.0026	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 12:07	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.013	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 12:07	MFF
1,1-Dichloroethane	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 12:07	MFF
1,2-Dichloroethane	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 12:07	MFF
1,1-Dichloroethylene	ND	0.0026	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 12:07	MFF
cis-1,2-Dichloroethylene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 12:07	MFF
trans-1,2-Dichloroethylene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 12:07	MFF
1,2-Dichloropropane	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 12:07	MFF
1,3-Dichloropropane	ND	0.00066	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 12:07	MFF
2,2-Dichloropropane	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 12:07	MFF
1,1-Dichloropropene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 12:07	MFF
cis-1,3-Dichloropropene	ND	0.00066	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 12:07	MFF
trans-1,3-Dichloropropene	ND	0.00066	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 12:07	MFF
Ethylbenzene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 12:07	MFF
Hexachlorobutadiene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 12:07	MFF
2-Hexanone (MBK)	ND	0.013	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 12:07	MFF
Isopropylbenzene (Cumene)	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 12:07	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 12:07	MFF

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

Sample Description:

Work Order: 17H0196

Date Received: 8/3/2017

Field Sample #: WS-AOC2-SO-1-2

Sampled: 8/3/2017 10:36

Sample ID: 17H0196-06

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	0.0026	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 12:07	MFF
Methylene Chloride	ND	0.013	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 12:07	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.013	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 12:07	MFF
Naphthalene	ND	0.0026	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 12:07	MFF
n-Propylbenzene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 12:07	MFF
Styrene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 12:07	MFF
1,1,1,2-Tetrachloroethane	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 12:07	MFF
1,1,2,2-Tetrachloroethane	ND	0.00066	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 12:07	MFF
Tetrachloroethylene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 12:07	MFF
Tetrahydrofuran	ND	0.0066	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 12:07	MFF
Toluene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 12:07	MFF
1,2,3-Trichlorobenzene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 12:07	MFF
1,2,4-Trichlorobenzene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 12:07	MFF
1,1,1-Trichloroethane	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 12:07	MFF
1,1,2-Trichloroethane	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 12:07	MFF
Trichloroethylene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 12:07	MFF
Trichlorofluoromethane (Freon 11)	ND	0.0066	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 12:07	MFF
1,2,3-Trichloropropane	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 12:07	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0066	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 12:07	MFF
1,2,4-Trimethylbenzene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 12:07	MFF
1,3,5-Trimethylbenzene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 12:07	MFF
Vinyl Chloride	ND	0.0066	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 12:07	MFF
m+p Xylene	ND	0.0026	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 12:07	MFF
o-Xylene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 12:07	MFF
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
1,2-Dichloroethane-d4	91.8	70-130						8/8/17 12:07	
Toluene-d8	93.0	70-130						8/8/17 12:07	
4-Bromofluorobenzene	87.8	70-130						8/8/17 12:07	

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

Sample Description:

Work Order: 17H0196

Date Received: 8/3/2017

Field Sample #: WS-AOC2-SO-1-2

Sampled: 8/3/2017 10:36

Sample ID: 17H0196-06

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.20	mg/Kg dry	1		SW-846 8270D	8/10/17	8/11/17 20:59	CDT
Acenaphthylene	ND	0.20	mg/Kg dry	1		SW-846 8270D	8/10/17	8/11/17 20:59	CDT
Anthracene	ND	0.20	mg/Kg dry	1		SW-846 8270D	8/10/17	8/11/17 20:59	CDT
Benzo(a)anthracene	ND	0.20	mg/Kg dry	1		SW-846 8270D	8/10/17	8/11/17 20:59	CDT
Benzo(a)pyrene	ND	0.20	mg/Kg dry	1		SW-846 8270D	8/10/17	8/11/17 20:59	CDT
Benzo(b)fluoranthene	ND	0.20	mg/Kg dry	1		SW-846 8270D	8/10/17	8/11/17 20:59	CDT
Benzo(g,h,i)perylene	ND	0.20	mg/Kg dry	1		SW-846 8270D	8/10/17	8/11/17 20:59	CDT
Benzo(k)fluoranthene	ND	0.20	mg/Kg dry	1		SW-846 8270D	8/10/17	8/11/17 20:59	CDT
Chrysene	ND	0.20	mg/Kg dry	1		SW-846 8270D	8/10/17	8/11/17 20:59	CDT
Dibenz(a,h)anthracene	ND	0.20	mg/Kg dry	1		SW-846 8270D	8/10/17	8/11/17 20:59	CDT
Fluoranthene	ND	0.20	mg/Kg dry	1		SW-846 8270D	8/10/17	8/11/17 20:59	CDT
Fluorene	ND	0.20	mg/Kg dry	1		SW-846 8270D	8/10/17	8/11/17 20:59	CDT
Indeno(1,2,3-cd)pyrene	ND	0.20	mg/Kg dry	1		SW-846 8270D	8/10/17	8/11/17 20:59	CDT
2-Methylnaphthalene	ND	0.20	mg/Kg dry	1		SW-846 8270D	8/10/17	8/11/17 20:59	CDT
Naphthalene	ND	0.20	mg/Kg dry	1		SW-846 8270D	8/10/17	8/11/17 20:59	CDT
Phenanthrene	ND	0.20	mg/Kg dry	1		SW-846 8270D	8/10/17	8/11/17 20:59	CDT
Pyrene	ND	0.20	mg/Kg dry	1		SW-846 8270D	8/10/17	8/11/17 20:59	CDT
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Nitrobenzene-d5	69.7	30-130						8/11/17 20:59	
2-Fluorobiphenyl	72.8	30-130						8/11/17 20:59	
p-Terphenyl-d14	93.8	30-130						8/11/17 20:59	

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

Sample Description:

Work Order: 17H0196

Date Received: 8/3/2017

Field Sample #: WS-AOC2-SO-1-2

Sampled: 8/3/2017 10:36

Sample ID: 17H0196-06

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	0.12	mg/Kg dry	5		SW-846 8082A	8/12/17	8/16/17 1:01	KAL
Aroclor-1221 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	8/12/17	8/16/17 1:01	KAL
Aroclor-1232 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	8/12/17	8/16/17 1:01	KAL
Aroclor-1242 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	8/12/17	8/16/17 1:01	KAL
Aroclor-1248 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	8/12/17	8/16/17 1:01	KAL
Aroclor-1254 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	8/12/17	8/16/17 1:01	KAL
Aroclor-1260 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	8/12/17	8/16/17 1:01	KAL
Aroclor-1262 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	8/12/17	8/16/17 1:01	KAL
Aroclor-1268 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	8/12/17	8/16/17 1:01	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	101	30-150						8/16/17 1:01	
Decachlorobiphenyl [2]	95.8	30-150						8/16/17 1:01	
Tetrachloro-m-xylene [1]	97.8	30-150						8/16/17 1:01	
Tetrachloro-m-xylene [2]	93.0	30-150						8/16/17 1:01	

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

Sample Description:

Work Order: 17H0196

Date Received: 8/3/2017

Field Sample #: WS-AOC2-SO-1-2

Sampled: 8/3/2017 10:36

Sample ID: 17H0196-06

Sample Matrix: Soil

Petrolium Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	29	12	mg/Kg dry	1		CTDEP ETPH	8/10/17	8/11/17 0:16	SCS
Surrogates	% Recovery	Recovery Limits			Flag/Qual				
o-Terphenyl	73.2	50-150						8/11/17 0:16	

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

Sample Description:

Work Order: 17H0196

Date Received: 8/3/2017

Field Sample #: WS-AOC2-SO-1-2

Sampled: 8/3/2017 10:36

Sample ID: 17H0196-06

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	86.1		% Wt	1		SM 2540G	8/9/17	8/10/17 6:02	MRL

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

Sample Description:

Work Order: 17H0196

Date Received: 8/3/2017

Field Sample #: WS-AOC2-SO-4-1

Sampled: 8/3/2017 10:55

Sample ID: 17H0196-07

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	0.076	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 12:34	MFF
Acrylonitrile	ND	0.0046	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 12:34	MFF
Benzene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 12:34	MFF
Bromobenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 12:34	MFF
Bromodichloromethane	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 12:34	MFF
Bromoform	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 12:34	MFF
Bromomethane	ND	0.0076	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 12:34	MFF
2-Butanone (MEK)	ND	0.030	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 12:34	MFF
n-Butylbenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 12:34	MFF
sec-Butylbenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 12:34	MFF
tert-Butylbenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 12:34	MFF
Carbon Disulfide	ND	0.0046	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 12:34	MFF
Carbon Tetrachloride	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 12:34	MFF
Chlorobenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 12:34	MFF
Chlorodibromomethane	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 12:34	MFF
Chloroethane	ND	0.015	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 12:34	MFF
Chloroform	ND	0.0030	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 12:34	MFF
Chloromethane	ND	0.0076	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 12:34	MFF
2-Chlorotoluene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 12:34	MFF
4-Chlorotoluene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 12:34	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0030	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 12:34	MFF
1,2-Dibromoethane (EDB)	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 12:34	MFF
Dibromomethane	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 12:34	MFF
1,2-Dichlorobenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 12:34	MFF
1,3-Dichlorobenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 12:34	MFF
1,4-Dichlorobenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 12:34	MFF
trans-1,4-Dichloro-2-butene	ND	0.0030	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 12:34	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.015	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 12:34	MFF
1,1-Dichloroethane	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 12:34	MFF
1,2-Dichloroethane	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 12:34	MFF
1,1-Dichloroethylene	ND	0.0030	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 12:34	MFF
cis-1,2-Dichloroethylene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 12:34	MFF
trans-1,2-Dichloroethylene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 12:34	MFF
1,2-Dichloropropane	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 12:34	MFF
1,3-Dichloropropane	ND	0.00076	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 12:34	MFF
2,2-Dichloropropane	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 12:34	MFF
1,1-Dichloropropene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 12:34	MFF
cis-1,3-Dichloropropene	ND	0.00076	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 12:34	MFF
trans-1,3-Dichloropropene	ND	0.00076	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 12:34	MFF
Ethylbenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 12:34	MFF
Hexachlorobutadiene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 12:34	MFF
2-Hexanone (MBK)	ND	0.015	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 12:34	MFF
Isopropylbenzene (Cumene)	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 12:34	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 12:34	MFF

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

Sample Description:

Work Order: 17H0196

Date Received: 8/3/2017

Field Sample #: WS-AOC2-SO-4-1

Sampled: 8/3/2017 10:55

Sample ID: 17H0196-07

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	0.0030	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 12:34	MFF
Methylene Chloride	ND	0.015	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 12:34	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.015	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 12:34	MFF
Naphthalene	ND	0.0030	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 12:34	MFF
n-Propylbenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 12:34	MFF
Styrene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 12:34	MFF
1,1,1,2-Tetrachloroethane	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 12:34	MFF
1,1,2,2-Tetrachloroethane	ND	0.00076	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 12:34	MFF
Tetrachloroethylene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 12:34	MFF
Tetrahydrofuran	ND	0.0076	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 12:34	MFF
Toluene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 12:34	MFF
1,2,3-Trichlorobenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 12:34	MFF
1,2,4-Trichlorobenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 12:34	MFF
1,1,1-Trichloroethane	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 12:34	MFF
1,1,2-Trichloroethane	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 12:34	MFF
Trichloroethylene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 12:34	MFF
Trichlorofluoromethane (Freon 11)	ND	0.0076	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 12:34	MFF
1,2,3-Trichloropropane	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 12:34	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0076	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 12:34	MFF
1,2,4-Trimethylbenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 12:34	MFF
1,3,5-Trimethylbenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 12:34	MFF
Vinyl Chloride	ND	0.0076	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 12:34	MFF
m+p Xylene	ND	0.0030	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 12:34	MFF
o-Xylene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 12:34	MFF
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
1,2-Dichloroethane-d4	90.8	70-130						8/8/17 12:34	
Toluene-d8	92.2	70-130						8/8/17 12:34	
4-Bromofluorobenzene	85.6	70-130						8/8/17 12:34	

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

Sample Description:

Work Order: 17H0196

Date Received: 8/3/2017

Field Sample #: WS-AOC2-SO-4-1

Sampled: 8/3/2017 10:55

Sample ID: 17H0196-07

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/10/17	8/11/17 21:23	CDT
Acenaphthylene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/10/17	8/11/17 21:23	CDT
Anthracene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/10/17	8/11/17 21:23	CDT
Benzo(a)anthracene	0.36	0.19	mg/Kg dry	1		SW-846 8270D	8/10/17	8/11/17 21:23	CDT
Benzo(a)pyrene	0.47	0.19	mg/Kg dry	1		SW-846 8270D	8/10/17	8/11/17 21:23	CDT
Benzo(b)fluoranthene	0.60	0.19	mg/Kg dry	1		SW-846 8270D	8/10/17	8/11/17 21:23	CDT
Benzo(g,h,i)perylene	0.34	0.19	mg/Kg dry	1		SW-846 8270D	8/10/17	8/11/17 21:23	CDT
Benzo(k)fluoranthene	0.21	0.19	mg/Kg dry	1		SW-846 8270D	8/10/17	8/11/17 21:23	CDT
Chrysene	0.35	0.19	mg/Kg dry	1		SW-846 8270D	8/10/17	8/11/17 21:23	CDT
Dibenz(a,h)anthracene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/10/17	8/11/17 21:23	CDT
Fluoranthene	0.67	0.19	mg/Kg dry	1		SW-846 8270D	8/10/17	8/11/17 21:23	CDT
Fluorene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/10/17	8/11/17 21:23	CDT
Indeno(1,2,3-cd)pyrene	0.31	0.19	mg/Kg dry	1		SW-846 8270D	8/10/17	8/11/17 21:23	CDT
2-Methylnaphthalene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/10/17	8/11/17 21:23	CDT
Naphthalene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/10/17	8/11/17 21:23	CDT
Phenanthrene	0.29	0.19	mg/Kg dry	1		SW-846 8270D	8/10/17	8/11/17 21:23	CDT
Pyrene	0.81	0.19	mg/Kg dry	1		SW-846 8270D	8/10/17	8/11/17 21:23	CDT
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Nitrobenzene-d5	70.8	30-130						8/11/17 21:23	
2-Fluorobiphenyl	67.3	30-130						8/11/17 21:23	
p-Terphenyl-d14	80.8	30-130						8/11/17 21:23	

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

Sample Description:

Work Order: 17H0196

Date Received: 8/3/2017

Field Sample #: WS-AOC2-SO-4-1

Sampled: 8/3/2017 10:55

Sample ID: 17H0196-07

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	0.11	mg/Kg dry	5		SW-846 8082A	8/12/17	8/16/17 1:19	KAL
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/12/17	8/16/17 1:19	KAL
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/12/17	8/16/17 1:19	KAL
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/12/17	8/16/17 1:19	KAL
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/12/17	8/16/17 1:19	KAL
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/12/17	8/16/17 1:19	KAL
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/12/17	8/16/17 1:19	KAL
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/12/17	8/16/17 1:19	KAL
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/12/17	8/16/17 1:19	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	92.6	30-150							
Decachlorobiphenyl [2]	84.7	30-150							
Tetrachloro-m-xylene [1]	92.1	30-150							
Tetrachloro-m-xylene [2]	84.1	30-150							

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

Sample Description:

Work Order: 17H0196

Date Received: 8/3/2017

Field Sample #: WS-AOC2-SO-4-1

Sampled: 8/3/2017 10:55

Sample ID: 17H0196-07

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	120	55	mg/Kg dry	5		CTDEP ETPH	8/10/17	8/11/17 3:14	SCS
Surrogates	% Recovery		Recovery Limits		Flag/Qual				
o-Terphenyl	84.7		50-150					8/11/17 3:14	

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

Sample Description:

Work Order: 17H0196

Date Received: 8/3/2017

Field Sample #: WS-AOC2-SO-4-1

Sampled: 8/3/2017 10:55

Sample ID: 17H0196-07

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	91.0		% Wt	1		SM 2540G	8/9/17	8/10/17 6:02	MRL

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

Sample Description:

Work Order: 17H0196

Date Received: 8/3/2017

Field Sample #: WS-AOC2-SO-4-2

Sampled: 8/3/2017 10:56

Sample ID: 17H0196-08

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	8/8/17	8/8/17 13:01	MFF
Acrylonitrile	ND	0.0040	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 13:01	MFF
Benzene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 13:01	MFF
Bromobenzene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 13:01	MFF
Bromodichloromethane	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 13:01	MFF
Bromoform	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 13:01	MFF
Bromomethane	ND	0.0067	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 13:01	MFF
2-Butanone (MEK)	ND	0.027	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 13:01	MFF
n-Butylbenzene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 13:01	MFF
sec-Butylbenzene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 13:01	MFF
tert-Butylbenzene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 13:01	MFF
Carbon Disulfide	ND	0.0040	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 13:01	MFF
Carbon Tetrachloride	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 13:01	MFF
Chlorobenzene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 13:01	MFF
Chlorodibromomethane	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 13:01	MFF
Chloroethane	ND	0.013	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 13:01	MFF
Chloroform	ND	0.0027	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 13:01	MFF
Chloromethane	ND	0.0067	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 13:01	MFF
2-Chlorotoluene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 13:01	MFF
4-Chlorotoluene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 13:01	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0027	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 13:01	MFF
1,2-Dibromoethane (EDB)	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 13:01	MFF
Dibromomethane	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 13:01	MFF
1,2-Dichlorobenzene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 13:01	MFF
1,3-Dichlorobenzene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 13:01	MFF
1,4-Dichlorobenzene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 13:01	MFF
trans-1,4-Dichloro-2-butene	ND	0.0027	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 13:01	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.013	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 13:01	MFF
1,1-Dichloroethane	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 13:01	MFF
1,2-Dichloroethane	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 13:01	MFF
1,1-Dichloroethylene	ND	0.0027	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 13:01	MFF
cis-1,2-Dichloroethylene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 13:01	MFF
trans-1,2-Dichloroethylene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 13:01	MFF
1,2-Dichloropropane	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 13:01	MFF
1,3-Dichloropropane	ND	0.00067	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 13:01	MFF
2,2-Dichloropropane	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 13:01	MFF
1,1-Dichloropropene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 13:01	MFF
cis-1,3-Dichloropropene	ND	0.00067	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 13:01	MFF
trans-1,3-Dichloropropene	ND	0.00067	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 13:01	MFF
Ethylbenzene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 13:01	MFF
Hexachlorobutadiene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 13:01	MFF
2-Hexanone (MBK)	ND	0.013	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 13:01	MFF
Isopropylbenzene (Cumene)	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 13:01	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 13:01	MFF

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

Sample Description:

Work Order: 17H0196

Date Received: 8/3/2017

Field Sample #: WS-AOC2-SO-4-2

Sampled: 8/3/2017 10:56

Sample ID: 17H0196-08

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	8/8/17	8/8/17 13:01	MFF
Methylene Chloride	ND	0.013	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 13:01	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.013	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 13:01	MFF
Naphthalene	ND	0.0027	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 13:01	MFF
n-Propylbenzene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 13:01	MFF
Styrene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 13:01	MFF
1,1,1,2-Tetrachloroethane	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 13:01	MFF
1,1,2,2-Tetrachloroethane	ND	0.00067	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 13:01	MFF
Tetrachloroethylene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 13:01	MFF
Tetrahydrofuran	ND	0.0067	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 13:01	MFF
Toluene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 13:01	MFF
1,2,3-Trichlorobenzene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 13:01	MFF
1,2,4-Trichlorobenzene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 13:01	MFF
1,1,1-Trichloroethane	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 13:01	MFF
1,1,2-Trichloroethane	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 13:01	MFF
Trichloroethylene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 13:01	MFF
Trichlorofluoromethane (Freon 11)	ND	0.0067	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 13:01	MFF
1,2,3-Trichloropropane	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 13:01	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0067	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 13:01	MFF
1,2,4-Trimethylbenzene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 13:01	MFF
1,3,5-Trimethylbenzene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 13:01	MFF
Vinyl Chloride	ND	0.0067	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 13:01	MFF
m+p Xylene	ND	0.0027	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 13:01	MFF
o-Xylene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/8/17	8/8/17 13:01	MFF
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
1,2-Dichloroethane-d4	95.8	70-130							
Toluene-d8	95.6	70-130							
4-Bromofluorobenzene	87.7	70-130							

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

Sample Description:

Work Order: 17H0196

Date Received: 8/3/2017

Field Sample #: WS-AOC2-SO-4-2

Sampled: 8/3/2017 10:56

Sample ID: 17H0196-08

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	0.19	mg/Kg dry	1		SW-846 8270D	8/10/17	8/11/17 21:47	CDT
Acenaphthylene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/10/17	8/11/17 21:47	CDT
Anthracene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/10/17	8/11/17 21:47	CDT
Benzo(a)anthracene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/10/17	8/11/17 21:47	CDT
Benzo(a)pyrene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/10/17	8/11/17 21:47	CDT
Benzo(b)fluoranthene	0.22	0.19	mg/Kg dry	1		SW-846 8270D	8/10/17	8/11/17 21:47	CDT
Benzo(g,h,i)perylene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/10/17	8/11/17 21:47	CDT
Benzo(k)fluoranthene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/10/17	8/11/17 21:47	CDT
Chrysene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/10/17	8/11/17 21:47	CDT
Dibenz(a,h)anthracene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/10/17	8/11/17 21:47	CDT
Fluoranthene	0.30	0.19	mg/Kg dry	1		SW-846 8270D	8/10/17	8/11/17 21:47	CDT
Fluorene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/10/17	8/11/17 21:47	CDT
Indeno(1,2,3-cd)pyrene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/10/17	8/11/17 21:47	CDT
2-Methylnaphthalene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/10/17	8/11/17 21:47	CDT
Naphthalene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/10/17	8/11/17 21:47	CDT
Phenanthrene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/10/17	8/11/17 21:47	CDT
Pyrene	0.59	0.19	mg/Kg dry	1		SW-846 8270D	8/10/17	8/11/17 21:47	CDT
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Nitrobenzene-d5	73.6	30-130							
2-Fluorobiphenyl	72.6	30-130							
p-Terphenyl-d14	83.6	30-130							

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

Sample Description:

Work Order: 17H0196

Date Received: 8/3/2017

Field Sample #: WS-AOC2-SO-4-2

Sampled: 8/3/2017 10:56

Sample ID: 17H0196-08

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	0.11	mg/Kg dry	5		SW-846 8082A	8/12/17	8/16/17 1:37	KAL
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/12/17	8/16/17 1:37	KAL
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/12/17	8/16/17 1:37	KAL
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/12/17	8/16/17 1:37	KAL
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/12/17	8/16/17 1:37	KAL
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/12/17	8/16/17 1:37	KAL
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/12/17	8/16/17 1:37	KAL
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/12/17	8/16/17 1:37	KAL
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/12/17	8/16/17 1:37	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	100	30-150						8/16/17 1:37	
Decachlorobiphenyl [2]	93.7	30-150						8/16/17 1:37	
Tetrachloro-m-xylene [1]	94.2	30-150						8/16/17 1:37	
Tetrachloro-m-xylene [2]	89.1	30-150						8/16/17 1:37	

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

Sample Description:

Work Order: 17H0196

Date Received: 8/3/2017

Field Sample #: WS-AOC2-SO-4-2

Sampled: 8/3/2017 10:56

Sample ID: 17H0196-08

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	8/10/17	8/10/17 17:04	SCS
Surrogates	% Recovery		Recovery Limits		Flag/Qual				
o-Terphenyl	72.8		50-150				8/10/17 17:04		

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

Sample Description:

Work Order: 17H0196

Date Received: 8/3/2017

Field Sample #: WS-AOC2-SO-4-2

Sampled: 8/3/2017 10:56

Sample ID: 17H0196-08

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	8/9/17	8/10/17 6:02	MRL

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

Sample Description:

Work Order: 17H0196

Date Received: 8/3/2017

Field Sample #: Trip Blank

Sampled: 8/3/2017 00:00

Sample ID: 17H0196-09

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	8/8/17	8/8/17 13:28	MFF
Acrylonitrile	ND	0.0060	mg/Kg wet	1		SW-846 8260C	8/8/17	8/8/17 13:28	MFF
Benzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/8/17	8/8/17 13:28	MFF
Bromobenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/8/17	8/8/17 13:28	MFF
Bromodichloromethane	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/8/17	8/8/17 13:28	MFF
Bromoform	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/8/17	8/8/17 13:28	MFF
Bromomethane	ND	0.010	mg/Kg wet	1		SW-846 8260C	8/8/17	8/8/17 13:28	MFF
2-Butanone (MEK)	ND	0.040	mg/Kg wet	1		SW-846 8260C	8/8/17	8/8/17 13:28	MFF
n-Butylbenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/8/17	8/8/17 13:28	MFF
sec-Butylbenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/8/17	8/8/17 13:28	MFF
tert-Butylbenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/8/17	8/8/17 13:28	MFF
Carbon Disulfide	ND	0.0060	mg/Kg wet	1		SW-846 8260C	8/8/17	8/8/17 13:28	MFF
Carbon Tetrachloride	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/8/17	8/8/17 13:28	MFF
Chlorobenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/8/17	8/8/17 13:28	MFF
Chlorodibromomethane	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/8/17	8/8/17 13:28	MFF
Chloroethane	ND	0.020	mg/Kg wet	1		SW-846 8260C	8/8/17	8/8/17 13:28	MFF
Chloroform	ND	0.0040	mg/Kg wet	1		SW-846 8260C	8/8/17	8/8/17 13:28	MFF
Chloromethane	ND	0.010	mg/Kg wet	1		SW-846 8260C	8/8/17	8/8/17 13:28	MFF
2-Chlorotoluene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/8/17	8/8/17 13:28	MFF
4-Chlorotoluene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/8/17	8/8/17 13:28	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0040	mg/Kg wet	1		SW-846 8260C	8/8/17	8/8/17 13:28	MFF
1,2-Dibromoethane (EDB)	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/8/17	8/8/17 13:28	MFF
Dibromomethane	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/8/17	8/8/17 13:28	MFF
1,2-Dichlorobenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/8/17	8/8/17 13:28	MFF
1,3-Dichlorobenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/8/17	8/8/17 13:28	MFF
1,4-Dichlorobenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/8/17	8/8/17 13:28	MFF
trans-1,4-Dichloro-2-butene	ND	0.0040	mg/Kg wet	1		SW-846 8260C	8/8/17	8/8/17 13:28	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.020	mg/Kg wet	1		SW-846 8260C	8/8/17	8/8/17 13:28	MFF
1,1-Dichloroethane	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/8/17	8/8/17 13:28	MFF
1,2-Dichloroethane	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/8/17	8/8/17 13:28	MFF
1,1-Dichloroethylene	ND	0.0040	mg/Kg wet	1		SW-846 8260C	8/8/17	8/8/17 13:28	MFF
cis-1,2-Dichloroethylene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/8/17	8/8/17 13:28	MFF
trans-1,2-Dichloroethylene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/8/17	8/8/17 13:28	MFF
1,2-Dichloropropane	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/8/17	8/8/17 13:28	MFF
1,3-Dichloropropane	ND	0.0010	mg/Kg wet	1		SW-846 8260C	8/8/17	8/8/17 13:28	MFF
2,2-Dichloropropane	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/8/17	8/8/17 13:28	MFF
1,1-Dichloropropene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/8/17	8/8/17 13:28	MFF
cis-1,3-Dichloropropene	ND	0.0010	mg/Kg wet	1		SW-846 8260C	8/8/17	8/8/17 13:28	MFF
trans-1,3-Dichloropropene	ND	0.0010	mg/Kg wet	1		SW-846 8260C	8/8/17	8/8/17 13:28	MFF
Ethylbenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/8/17	8/8/17 13:28	MFF
Hexachlorobutadiene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/8/17	8/8/17 13:28	MFF
2-Hexanone (MBK)	ND	0.020	mg/Kg wet	1		SW-846 8260C	8/8/17	8/8/17 13:28	MFF
Isopropylbenzene (Cumene)	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/8/17	8/8/17 13:28	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/8/17	8/8/17 13:28	MFF

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

Sample Description:

Work Order: 17H0196

Date Received: 8/3/2017

Field Sample #: Trip Blank

Sampled: 8/3/2017 00:00

Sample ID: 17H0196-09

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	8/8/17	8/8/17 13:28	MFF
Methylene Chloride	ND	0.020	mg/Kg wet	1		SW-846 8260C	8/8/17	8/8/17 13:28	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.020	mg/Kg wet	1		SW-846 8260C	8/8/17	8/8/17 13:28	MFF
Naphthalene	ND	0.0040	mg/Kg wet	1		SW-846 8260C	8/8/17	8/8/17 13:28	MFF
n-Propylbenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/8/17	8/8/17 13:28	MFF
Styrene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/8/17	8/8/17 13:28	MFF
1,1,1,2-Tetrachloroethane	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/8/17	8/8/17 13:28	MFF
1,1,2,2-Tetrachloroethane	ND	0.0010	mg/Kg wet	1		SW-846 8260C	8/8/17	8/8/17 13:28	MFF
Tetrachloroethylene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/8/17	8/8/17 13:28	MFF
Tetrahydrofuran	ND	0.010	mg/Kg wet	1		SW-846 8260C	8/8/17	8/8/17 13:28	MFF
Toluene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/8/17	8/8/17 13:28	MFF
1,2,3-Trichlorobenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/8/17	8/8/17 13:28	MFF
1,2,4-Trichlorobenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/8/17	8/8/17 13:28	MFF
1,1,1-Trichloroethane	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/8/17	8/8/17 13:28	MFF
1,1,2-Trichloroethane	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/8/17	8/8/17 13:28	MFF
Trichloroethylene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/8/17	8/8/17 13:28	MFF
Trichlorofluoromethane (Freon 11)	ND	0.010	mg/Kg wet	1		SW-846 8260C	8/8/17	8/8/17 13:28	MFF
1,2,3-Trichloropropane	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/8/17	8/8/17 13:28	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.010	mg/Kg wet	1		SW-846 8260C	8/8/17	8/8/17 13:28	MFF
1,2,4-Trimethylbenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/8/17	8/8/17 13:28	MFF
1,3,5-Trimethylbenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/8/17	8/8/17 13:28	MFF
Vinyl Chloride	ND	0.010	mg/Kg wet	1		SW-846 8260C	8/8/17	8/8/17 13:28	MFF
m+p Xylene	ND	0.0040	mg/Kg wet	1		SW-846 8260C	8/8/17	8/8/17 13:28	MFF
o-Xylene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/8/17	8/8/17 13:28	MFF
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
1,2-Dichloroethane-d4	97.0	70-130						8/8/17 13:28	
Toluene-d8	92.9	70-130						8/8/17 13:28	
4-Bromofluorobenzene	87.8	70-130						8/8/17 13:28	

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

Sample Description:

Work Order: 17H0196

Date Received: 8/3/2017

Field Sample #: WS-AOC2-SO-Dup-45

Sampled: 8/3/2017 00:00

Sample ID: 17H0196-10

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	5		SW-846 8082A	8/12/17	8/16/17 1:55	KAL
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/12/17	8/16/17 1:55	KAL
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/12/17	8/16/17 1:55	KAL
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/12/17	8/16/17 1:55	KAL
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/12/17	8/16/17 1:55	KAL
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/12/17	8/16/17 1:55	KAL
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/12/17	8/16/17 1:55	KAL
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/12/17	8/16/17 1:55	KAL
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/12/17	8/16/17 1:55	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	91.4	30-150						8/16/17 1:55	
Decachlorobiphenyl [2]	86.1	30-150						8/16/17 1:55	
Tetrachloro-m-xylene [1]	90.8	30-150						8/16/17 1:55	
Tetrachloro-m-xylene [2]	80.9	30-150						8/16/17 1:55	

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

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

Sample Description:

Work Order: 17H0196

Date Received: 8/3/2017

Field Sample #: WS-AOC2-SO-Dup-45

Sampled: 8/3/2017 00:00

Sample ID: 17H0196-10

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	91.7		% Wt	1		SM 2540G	8/9/17	8/10/17 6:02	MRL

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

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

Sample Description:

Work Order: 17H0196

Date Received: 8/3/2017

Field Sample #: WS-AOC-SO-Dup-46

Sampled: 8/3/2017 00:00

Sample ID: 17H0196-11

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	5		SW-846 8082A	8/12/17	8/16/17 2:14	KAL
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/12/17	8/16/17 2:14	KAL
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/12/17	8/16/17 2:14	KAL
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/12/17	8/16/17 2:14	KAL
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/12/17	8/16/17 2:14	KAL
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/12/17	8/16/17 2:14	KAL
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/12/17	8/16/17 2:14	KAL
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/12/17	8/16/17 2:14	KAL
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/12/17	8/16/17 2:14	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	85.4	30-150						8/16/17 2:14	
Decachlorobiphenyl [2]	78.9	30-150						8/16/17 2:14	
Tetrachloro-m-xylene [1]	90.7	30-150						8/16/17 2:14	
Tetrachloro-m-xylene [2]	81.3	30-150						8/16/17 2:14	

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

Sample Description:

Work Order: 17H0196

Date Received: 8/3/2017

Field Sample #: WS-AOC-SO-Dup-46

Sampled: 8/3/2017 00:00

Sample ID: 17H0196-11

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	89.3		% Wt	1		SM 2540G	8/9/17	8/10/17 6:02	MRL

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
17H0196-01 [WS-AOC2-SO-2-1]	B183762	30.0	1.00	08/10/17
17H0196-02 [WS-AOC2-SO-2-2]	B183762	30.0	1.00	08/10/17
17H0196-03 [WS-AOC2-SO-3-1]	B183762	30.0	1.00	08/10/17
17H0196-04 [WS-AOC2-SO-3-2]	B183762	30.0	1.00	08/10/17
17H0196-05 [WS-AOC2-SO-1-1]	B183762	30.0	1.00	08/10/17
17H0196-06 [WS-AOC2-SO-1-2]	B183762	30.0	1.00	08/10/17
17H0196-07 [WS-AOC2-SO-4-1]	B183762	30.0	1.00	08/10/17
17H0196-08 [WS-AOC2-SO-4-2]	B183762	30.0	1.00	08/10/17

Prep Method: % Solids-SM 2540G

Lab Number [Field ID]	Batch	Date
17H0196-01 [WS-AOC2-SO-2-1]	B183650	08/09/17
17H0196-02 [WS-AOC2-SO-2-2]	B183650	08/09/17
17H0196-03 [WS-AOC2-SO-3-1]	B183650	08/09/17
17H0196-04 [WS-AOC2-SO-3-2]	B183650	08/09/17
17H0196-05 [WS-AOC2-SO-1-1]	B183650	08/09/17
17H0196-06 [WS-AOC2-SO-1-2]	B183650	08/09/17
17H0196-07 [WS-AOC2-SO-4-1]	B183650	08/09/17
17H0196-08 [WS-AOC2-SO-4-2]	B183650	08/09/17
17H0196-10 [WS-AOC2-SO-Dup-45]	B183650	08/09/17
17H0196-11 [WS-AOC-SO-Dup-46]	B183650	08/09/17

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17H0196-01 [WS-AOC2-SO-2-1]	B183939	10.0	10.0	08/12/17
17H0196-02 [WS-AOC2-SO-2-2]	B183939	10.0	10.0	08/12/17
17H0196-03 [WS-AOC2-SO-3-1]	B183939	10.0	10.0	08/12/17
17H0196-04 [WS-AOC2-SO-3-2]	B183939	10.0	10.0	08/12/17
17H0196-05 [WS-AOC2-SO-1-1]	B183939	10.0	10.0	08/12/17
17H0196-06 [WS-AOC2-SO-1-2]	B183939	10.0	10.0	08/12/17
17H0196-07 [WS-AOC2-SO-4-1]	B183939	10.0	10.0	08/12/17
17H0196-08 [WS-AOC2-SO-4-2]	B183939	10.0	10.0	08/12/17
17H0196-10 [WS-AOC2-SO-Dup-45]	B183939	10.0	10.0	08/12/17
17H0196-11 [WS-AOC-SO-Dup-46]	B183939	10.0	10.0	08/12/17

Prep Method: SW-846 5035-SW-846 8260C

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17H0196-01 [WS-AOC2-SO-2-1]	B183601	7.76	10.0	08/08/17
17H0196-02 [WS-AOC2-SO-2-2]	B183601	8.12	10.0	08/08/17
17H0196-03 [WS-AOC2-SO-3-1]	B183601	7.57	10.0	08/08/17
17H0196-04 [WS-AOC2-SO-3-2]	B183601	8.71	10.0	08/08/17
17H0196-05 [WS-AOC2-SO-1-1]	B183601	8.00	10.0	08/08/17
17H0196-06 [WS-AOC2-SO-1-2]	B183601	8.82	10.0	08/08/17
17H0196-07 [WS-AOC2-SO-4-1]	B183601	7.21	10.0	08/08/17
17H0196-08 [WS-AOC2-SO-4-2]	B183601	8.28	10.0	08/08/17
17H0196-09 [Trip Blank]	B183601	5.00	10.0	08/08/17

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332**Sample Extraction Data****Prep Method: SW-846 3546-SW-846 8270D**

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17H0196-01 [WS-AOC2-SO-2-1]	B183764	30.0	1.00	08/10/17
17H0196-02 [WS-AOC2-SO-2-2]	B183764	30.0	1.00	08/10/17
17H0196-03 [WS-AOC2-SO-3-1]	B183764	30.0	1.00	08/10/17
17H0196-04 [WS-AOC2-SO-3-2]	B183764	30.0	1.00	08/10/17
17H0196-05 [WS-AOC2-SO-1-1]	B183764	30.0	1.00	08/10/17
17H0196-05RE1 [WS-AOC2-SO-1-1]	B183764	30.0	1.00	08/10/17
17H0196-06 [WS-AOC2-SO-1-2]	B183764	30.0	1.00	08/10/17
17H0196-07 [WS-AOC2-SO-4-1]	B183764	30.0	1.00	08/10/17
17H0196-08 [WS-AOC2-SO-4-2]	B183764	30.0	1.00	08/10/17

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
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Batch B183601 - SW-846 5035
Blank (B183601-BLK1)

Prepared & Analyzed: 08/08/17

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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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
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Batch B183601 - SW-846 5035
Blank (B183601-BLK1)

Prepared & Analyzed: 08/08/17

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							
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	0.0484		mg/Kg wet	0.0500		96.8	70-130			
Surrogate: Toluene-d8	0.0472		mg/Kg wet	0.0500		94.3	70-130			
Surrogate: 4-Bromofluorobenzene	0.0444		mg/Kg wet	0.0500		88.8	70-130			

LCS (B183601-BS1)

Prepared & Analyzed: 08/08/17

Acetone	0.164	0.10	mg/Kg wet	0.200		81.9	70-130			
Acrylonitrile	0.0202	0.0060	mg/Kg wet	0.0200		101	70-130			
Benzene	0.0216	0.0020	mg/Kg wet	0.0200		108	70-130			
Bromobenzene	0.0212	0.0020	mg/Kg wet	0.0200		106	70-130			
Bromodichloromethane	0.0223	0.0020	mg/Kg wet	0.0200		111	70-130			
Bromoform	0.0214	0.0020	mg/Kg wet	0.0200		107	70-130			
Bromomethane	0.0222	0.010	mg/Kg wet	0.0200		111	70-130			
2-Butanone (MEK)	0.187	0.040	mg/Kg wet	0.200		93.4	70-130			
n-Butylbenzene	0.0197	0.0020	mg/Kg wet	0.0200		98.3	70-130			
sec-Butylbenzene	0.0192	0.0020	mg/Kg wet	0.0200		96.1	70-130			
tert-Butylbenzene	0.0194	0.0020	mg/Kg wet	0.0200		97.2	70-130			
Carbon Disulfide	0.225	0.0060	mg/Kg wet	0.200		113	70-130			
Carbon Tetrachloride	0.0198	0.0020	mg/Kg wet	0.0200		99.2	70-130			
Chlorobenzene	0.0224	0.0020	mg/Kg wet	0.0200		112	70-130			
Chlorodibromomethane	0.0214	0.0010	mg/Kg wet	0.0200		107	70-130			
Chloroethane	0.0194	0.020	mg/Kg wet	0.0200		97.2	70-130			
Chloroform	0.0216	0.0040	mg/Kg wet	0.0200		108	70-130			
Chloromethane	0.0215	0.010	mg/Kg wet	0.0200		107	70-130			
2-Chlorotoluene	0.0224	0.0020	mg/Kg wet	0.0200		112	70-130			
4-Chlorotoluene	0.0219	0.0020	mg/Kg wet	0.0200		109	70-130			
1,2-Dibromo-3-chloropropane (DBCP)	0.0162	0.0020	mg/Kg wet	0.0200		80.8	70-130			
1,2-Dibromoethane (EDB)	0.0214	0.0010	mg/Kg wet	0.0200		107	70-130			
Dibromomethane	0.0216	0.0020	mg/Kg wet	0.0200		108	70-130			
1,2-Dichlorobenzene	0.0212	0.0020	mg/Kg wet	0.0200		106	70-130			
1,3-Dichlorobenzene	0.0210	0.0020	mg/Kg wet	0.0200		105	70-130			
1,4-Dichlorobenzene	0.0210	0.0020	mg/Kg wet	0.0200		105	70-130			
trans-1,4-Dichloro-2-butene	0.0187	0.0040	mg/Kg wet	0.0200		93.7	70-130			
Dichlorodifluoromethane (Freon 12)	0.0231	0.020	mg/Kg wet	0.0200		116	70-130			
1,1-Dichloroethane	0.0222	0.0020	mg/Kg wet	0.0200		111	70-130			
1,2-Dichloroethane	0.0232	0.0020	mg/Kg wet	0.0200		116	70-130			
1,1-Dichloroethylene	0.0205	0.0040	mg/Kg wet	0.0200		103	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 B183601 - SW-846 5035										
LCS (B183601-BS1)				Prepared & Analyzed: 08/08/17						
cis-1,2-Dichloroethylene	0.0211	0.0020	mg/Kg wet	0.0200		105	70-130			
trans-1,2-Dichloroethylene	0.0210	0.0020	mg/Kg wet	0.0200		105	70-130			
1,2-Dichloropropane	0.0206	0.0020	mg/Kg wet	0.0200		103	70-130			
1,3-Dichloropropane	0.0211	0.0010	mg/Kg wet	0.0200		106	70-130			
2,2-Dichloropropane	0.0184	0.0020	mg/Kg wet	0.0200		91.9	70-130			
1,1-Dichloropropene	0.0214	0.0020	mg/Kg wet	0.0200		107	70-130			
cis-1,3-Dichloropropene	0.0201	0.0010	mg/Kg wet	0.0200		100	70-130			
trans-1,3-Dichloropropene	0.0195	0.0010	mg/Kg wet	0.0200		97.4	70-130			
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)	0.196	0.020	mg/Kg wet	0.200		98.2	70-130			
Isopropylbenzene (Cumene)	0.0215	0.0020	mg/Kg wet	0.0200		108	70-130			
p-Isopropyltoluene (p-Cymene)	0.0201	0.0020	mg/Kg wet	0.0200		101	70-130			
Methyl tert-Butyl Ether (MTBE)	0.0197	0.0040	mg/Kg wet	0.0200		98.4	70-130			
Methylene Chloride	0.0223	0.020	mg/Kg wet	0.0200		112	70-130			
4-Methyl-2-pentanone (MIBK)	0.219	0.020	mg/Kg wet	0.200		110	70-130			
Naphthalene	0.0152	0.0040	mg/Kg wet	0.0200		75.8	70-130			
n-Propylbenzene	0.0210	0.0020	mg/Kg wet	0.0200		105	70-130			
Styrene	0.0218	0.0020	mg/Kg wet	0.0200		109	70-130			
1,1,1,2-Tetrachloroethane	0.0209	0.0020	mg/Kg wet	0.0200		104	70-130			
1,1,2,2-Tetrachloroethane	0.0210	0.0010	mg/Kg wet	0.0200		105	70-130			
Tetrachloroethylene	0.0248	0.0020	mg/Kg wet	0.0200		124	70-130			
Tetrahydrofuran	0.0213	0.010	mg/Kg wet	0.0200		107	70-130			
Toluene	0.0206	0.0020	mg/Kg wet	0.0200		103	70-130			
1,2,3-Trichlorobenzene	0.0171	0.0020	mg/Kg wet	0.0200		85.7	70-130			
1,2,4-Trichlorobenzene	0.0174	0.0020	mg/Kg wet	0.0200		87.2	70-130			
1,1,1-Trichloroethane	0.0224	0.0020	mg/Kg wet	0.0200		112	70-130			
1,1,2-Trichloroethane	0.0238	0.0020	mg/Kg wet	0.0200		119	70-130			
Trichloroethylene	0.0194	0.0020	mg/Kg wet	0.0200		96.8	70-130			
Trichlorofluoromethane (Freon 11)	0.0227	0.010	mg/Kg wet	0.0200		113	70-130			
1,2,3-Trichloropropane	0.0212	0.0020	mg/Kg wet	0.0200		106	70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.0222	0.010	mg/Kg wet	0.0200		111	70-130			
1,2,4-Trimethylbenzene	0.0190	0.0020	mg/Kg wet	0.0200		95.0	70-130			
1,3,5-Trimethylbenzene	0.0215	0.0020	mg/Kg wet	0.0200		107	70-130			
Vinyl Chloride	0.0209	0.010	mg/Kg wet	0.0200		104	70-130			
m+p Xylene	0.0424	0.0040	mg/Kg wet	0.0400		106	70-130			
o-Xylene	0.0208	0.0020	mg/Kg wet	0.0200		104	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.0488		mg/Kg wet	0.0500		97.6	70-130			
Surrogate: Toluene-d8	0.0471		mg/Kg wet	0.0500		94.2	70-130			
Surrogate: 4-Bromofluorobenzene	0.0498		mg/Kg wet	0.0500		99.5	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
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Batch B183764 - SW-846 3546
Blank (B183764-BLK1)

Prepared: 08/10/17 Analyzed: 08/11/17

Acenaphthene	ND	0.17	mg/Kg wet							
Acenaphthylene	ND	0.17	mg/Kg wet							
Anthracene	ND	0.17	mg/Kg wet							
Benzo(a)anthracene	ND	0.17	mg/Kg wet							
Benzo(a)pyrene	ND	0.17	mg/Kg wet							
Benzo(b)fluoranthene	ND	0.17	mg/Kg wet							
Benzo(g,h,i)perylene	ND	0.17	mg/Kg wet							
Benzo(k)fluoranthene	ND	0.17	mg/Kg wet							
Chrysene	ND	0.17	mg/Kg wet							
Dibenz(a,h)anthracene	ND	0.17	mg/Kg wet							
Fluoranthene	ND	0.17	mg/Kg wet							
Fluorene	ND	0.17	mg/Kg wet							
Indeno(1,2,3-cd)pyrene	ND	0.17	mg/Kg wet							
2-Methylnaphthalene	ND	0.17	mg/Kg wet							
Naphthalene	ND	0.17	mg/Kg wet							
Phenanthrene	ND	0.17	mg/Kg wet							
Pyrene	ND	0.17	mg/Kg wet							
Surrogate: Nitrobenzene-d5	2.74		mg/Kg wet	3.33		82.2	30-130			
Surrogate: 2-Fluorobiphenyl	2.68		mg/Kg wet	3.33		80.4	30-130			
Surrogate: p-Terphenyl-d14	2.59		mg/Kg wet	3.33		77.7	30-130			

LCS (B183764-BS1)

Prepared: 08/10/17 Analyzed: 08/11/17

Acenaphthene	1.11	0.17	mg/Kg wet	1.67		66.4	40-140			
Acenaphthylene	1.02	0.17	mg/Kg wet	1.67		61.3	40-140			
Anthracene	1.12	0.17	mg/Kg wet	1.67		67.4	40-140			
Benzo(a)anthracene	1.03	0.17	mg/Kg wet	1.67		62.0	40-140			
Benzo(a)pyrene	1.16	0.17	mg/Kg wet	1.67		69.3	40-140			
Benzo(b)fluoranthene	1.06	0.17	mg/Kg wet	1.67		63.4	40-140			
Benzo(g,h,i)perylene	0.817	0.17	mg/Kg wet	1.67		49.0	40-140			
Benzo(k)fluoranthene	1.20	0.17	mg/Kg wet	1.67		71.8	40-140			
Chrysene	0.966	0.17	mg/Kg wet	1.67		58.0	40-140			
Dibenz(a,h)anthracene	0.923	0.17	mg/Kg wet	1.67		55.4	40-140			
Fluoranthene	1.15	0.17	mg/Kg wet	1.67		69.0	40-140			
Fluorene	1.12	0.17	mg/Kg wet	1.67		67.4	40-140			
Indeno(1,2,3-cd)pyrene	0.865	0.17	mg/Kg wet	1.67		51.9	40-140			
2-Methylnaphthalene	1.14	0.17	mg/Kg wet	1.67		68.3	40-140			
Naphthalene	1.03	0.17	mg/Kg wet	1.67		61.8	40-140			
Phenanthrene	1.13	0.17	mg/Kg wet	1.67		67.7	40-140			
Pyrene	1.07	0.17	mg/Kg wet	1.67		64.0	40-140			
Surrogate: Nitrobenzene-d5	2.66		mg/Kg wet	3.33		79.9	30-130			
Surrogate: 2-Fluorobiphenyl	2.59		mg/Kg wet	3.33		77.6	30-130			
Surrogate: p-Terphenyl-d14	2.51		mg/Kg wet	3.33		75.4	30-130			

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B183764 - SW-846 3546										
LCS Dup (B183764-BSD1)										
					Prepared: 08/10/17 Analyzed: 08/11/17					
Acenaphthene	1.05	0.17	mg/Kg wet	1.67		62.9	40-140	5.41	30	
Acenaphthylene	1.01	0.17	mg/Kg wet	1.67		60.8	40-140	0.884	30	
Anthracene	1.08	0.17	mg/Kg wet	1.67		64.9	40-140	3.78	30	
Benzo(a)anthracene	0.981	0.17	mg/Kg wet	1.67		58.8	40-140	5.17	30	
Benzo(a)pyrene	1.15	0.17	mg/Kg wet	1.67		69.2	40-140	0.0866	30	
Benzo(b)fluoranthene	1.06	0.17	mg/Kg wet	1.67		63.5	40-140	0.126	30	
Benzo(g,h,i)perylene	0.826	0.17	mg/Kg wet	1.67		49.6	40-140	1.10	30	
Benzo(k)fluoranthene	1.15	0.17	mg/Kg wet	1.67		68.8	40-140	4.24	30	
Chrysene	0.902	0.17	mg/Kg wet	1.67		54.1	40-140	6.85	30	
Dibenz(a,h)anthracene	0.914	0.17	mg/Kg wet	1.67		54.8	40-140	0.944	30	
Fluoranthene	1.13	0.17	mg/Kg wet	1.67		67.6	40-140	1.99	30	
Fluorene	1.08	0.17	mg/Kg wet	1.67		64.6	40-140	4.24	30	
Indeno(1,2,3-cd)pyrene	0.842	0.17	mg/Kg wet	1.67		50.5	40-140	2.70	30	
2-Methylnaphthalene	1.14	0.17	mg/Kg wet	1.67		68.3	40-140	0.0292	30	
Naphthalene	1.06	0.17	mg/Kg wet	1.67		63.5	40-140	2.71	30	
Phenanthrene	1.08	0.17	mg/Kg wet	1.67		64.5	40-140	4.84	30	
Pyrene	0.998	0.17	mg/Kg wet	1.67		59.9	40-140	6.75	30	
Surrogate: Nitrobenzene-d5	2.77		mg/Kg wet	3.33		83.2	30-130			
Surrogate: 2-Fluorobiphenyl	2.47		mg/Kg wet	3.33		74.2	30-130			
Surrogate: p-Terphenyl-d14	2.29		mg/Kg wet	3.33		68.6	30-130			
Matrix Spike (B183764-MS1)										
			Source: 17H0196-03		Prepared: 08/10/17 Analyzed: 08/11/17					
Acenaphthene	0.975	0.18	mg/Kg dry	1.81	ND	53.9	40-140			
Acenaphthylene	0.962	0.18	mg/Kg dry	1.81	0.132	45.8	40-140			
Anthracene	1.09	0.18	mg/Kg dry	1.81	0.204	49.0	40-140			
Benzo(a)anthracene	1.41	0.18	mg/Kg dry	1.81	0.729	37.6 *	40-140			MS-09
Benzo(a)pyrene	1.66	0.18	mg/Kg dry	1.81	0.819	46.5	40-140			
Benzo(b)fluoranthene	1.90	0.18	mg/Kg dry	1.81	1.08	45.3	40-140			
Benzo(g,h,i)perylene	1.11	0.18	mg/Kg dry	1.81	0.491	34.3 *	40-140			MS-09
Benzo(k)fluoranthene	1.40	0.18	mg/Kg dry	1.81	0.343	58.4	40-140			
Chrysene	1.29	0.18	mg/Kg dry	1.81	0.633	36.2 *	40-140			MS-09
Dibenz(a,h)anthracene	0.864	0.18	mg/Kg dry	1.81	0.144	39.8 *	40-140			MS-22
Fluoranthene	2.25	0.18	mg/Kg dry	1.81	1.62	34.8 *	40-140			MS-09
Fluorene	0.996	0.18	mg/Kg dry	1.81	0.0604	51.7	40-140			
Indeno(1,2,3-cd)pyrene	1.32	0.18	mg/Kg dry	1.81	0.534	43.7	40-140			
2-Methylnaphthalene	0.999	0.18	mg/Kg dry	1.81	ND	55.2	40-140			
Naphthalene	0.945	0.18	mg/Kg dry	1.81	ND	52.2	40-140			
Phenanthrene	1.62	0.18	mg/Kg dry	1.81	0.888	40.2	40-140			
Pyrene	2.10	0.18	mg/Kg dry	1.81	1.65	24.8 *	40-140			MS-09
Surrogate: Nitrobenzene-d5	2.35		mg/Kg dry	3.62		65.0	30-130			
Surrogate: 2-Fluorobiphenyl	2.12		mg/Kg dry	3.62		58.5	30-130			
Surrogate: p-Terphenyl-d14	2.20		mg/Kg dry	3.62		60.8	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 B183764 - SW-846 3546										
Matrix Spike Dup (B183764-MSD1)	Source: 17H0196-03			Prepared: 08/10/17 Analyzed: 08/11/17						
Acenaphthene	0.970	0.18	mg/Kg dry	1.81	ND	53.6	40-140	0.595	30	
Acenaphthylene	0.961	0.18	mg/Kg dry	1.81	0.132	45.8	40-140	0.113	30	
Anthracene	1.09	0.18	mg/Kg dry	1.81	0.204	48.7	40-140	0.532	30	
Benzo(a)anthracene	1.35	0.18	mg/Kg dry	1.81	0.729	34.6	* 40-140	3.96	30	MS-09
Benzo(a)pyrene	1.64	0.18	mg/Kg dry	1.81	0.819	45.1	40-140	1.60	30	
Benzo(b)fluoranthene	1.69	0.18	mg/Kg dry	1.81	1.08	33.7	* 40-140	11.7	30	MS-22
Benzo(g,h,i)perylene	1.19	0.18	mg/Kg dry	1.81	0.491	38.9	* 40-140	7.15	30	MS-09
Benzo(k)fluoranthene	1.50	0.18	mg/Kg dry	1.81	0.343	64.1	40-140	7.13	30	
Chrysene	1.27	0.18	mg/Kg dry	1.81	0.633	35.1	* 40-140	1.44	30	MS-09
Dibenz(a,h)anthracene	0.974	0.18	mg/Kg dry	1.81	0.144	45.9	40-140	12.0	30	
Fluoranthene	2.09	0.18	mg/Kg dry	1.81	1.62	25.6	* 40-140	7.71	30	MS-09
Fluorene	1.00	0.18	mg/Kg dry	1.81	0.0604	52.2	40-140	0.869	30	
Indeno(1,2,3-cd)pyrene	1.43	0.18	mg/Kg dry	1.81	0.534	49.7	40-140	7.90	30	
2-Methylnaphthalene	1.06	0.18	mg/Kg dry	1.81	ND	58.8	40-140	6.35	30	
Naphthalene	1.00	0.18	mg/Kg dry	1.81	ND	55.4	40-140	5.87	30	
Phenanthrene	1.49	0.18	mg/Kg dry	1.81	0.888	33.1	* 40-140	8.26	30	MS-22
Pyrene	1.97	0.18	mg/Kg dry	1.81	1.65	17.9	* 40-140	6.17	30	MS-09
Surrogate: Nitrobenzene-d5	2.54		mg/Kg dry	3.62		70.3	30-130			
Surrogate: 2-Fluorobiphenyl	2.16		mg/Kg dry	3.62		59.6	30-130			
Surrogate: p-Terphenyl-d14	2.33		mg/Kg dry	3.62		64.3	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
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Batch B183939 - SW-846 3540C
Blank (B183939-BLK1)

Prepared: 08/12/17 Analyzed: 08/15/17

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	0.213		mg/Kg wet	0.200		107	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.195		mg/Kg wet	0.200		97.6	30-150			
Surrogate: Tetrachloro-m-xylene	0.192		mg/Kg wet	0.200		95.9	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.177		mg/Kg wet	0.200		88.5	30-150			

LCS (B183939-BS1)

Prepared: 08/12/17 Analyzed: 08/15/17

Aroclor-1016	0.20	0.020	mg/Kg wet	0.200		100	40-140			
Aroclor-1016 [2C]	0.19	0.020	mg/Kg wet	0.200		92.8	40-140			
Aroclor-1260	0.19	0.020	mg/Kg wet	0.200		93.5	40-140			
Aroclor-1260 [2C]	0.17	0.020	mg/Kg wet	0.200		82.8	40-140			
Surrogate: Decachlorobiphenyl	0.223		mg/Kg wet	0.200		112	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.206		mg/Kg wet	0.200		103	30-150			
Surrogate: Tetrachloro-m-xylene	0.205		mg/Kg wet	0.200		103	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.191		mg/Kg wet	0.200		95.4	30-150			

LCS Dup (B183939-BSD1)

Prepared: 08/12/17 Analyzed: 08/15/17

Aroclor-1016	0.17	0.020	mg/Kg wet	0.200		82.6	40-140	19.2	30	
Aroclor-1016 [2C]	0.17	0.020	mg/Kg wet	0.200		83.4	40-140	10.7	30	
Aroclor-1260	0.15	0.020	mg/Kg wet	0.200		76.9	40-140	19.5	30	
Aroclor-1260 [2C]	0.14	0.020	mg/Kg wet	0.200		70.6	40-140	16.0	30	
Surrogate: Decachlorobiphenyl	0.181		mg/Kg wet	0.200		90.3	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.169		mg/Kg wet	0.200		84.3	30-150			
Surrogate: Tetrachloro-m-xylene	0.172		mg/Kg wet	0.200		86.2	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.157		mg/Kg wet	0.200		78.5	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
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Batch B183939 - SW-846 3540C

Matrix Spike (B183939-MS1)		Source: 17H0196-03		Prepared: 08/12/17 Analyzed: 08/16/17						
Aroclor-1016	0.25	0.11	mg/Kg dry	0.217	ND	117	40-140			
Aroclor-1016 [2C]	0.22	0.11	mg/Kg dry	0.217	ND	99.9	40-140			
Aroclor-1260	0.34	0.11	mg/Kg dry	0.217	ND	156 *	40-140			MS-22
Aroclor-1260 [2C]	0.30	0.11	mg/Kg dry	0.217	ND	139	40-140			
Surrogate: Decachlorobiphenyl	0.204		mg/Kg dry	0.217		93.8	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.192		mg/Kg dry	0.217		88.5	30-150			
Surrogate: Tetrachloro-m-xylene	0.203		mg/Kg dry	0.217		93.3	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.180		mg/Kg dry	0.217		83.0	30-150			
Matrix Spike Dup (B183939-MSD1)		Source: 17H0196-03		Prepared: 08/12/17 Analyzed: 08/16/17						
Aroclor-1016	0.28	0.11	mg/Kg dry	0.217	ND	129	40-140	10.5	50	
Aroclor-1016 [2C]	0.28	0.11	mg/Kg dry	0.217	ND	127	40-140	23.9	50	
Aroclor-1260	0.28	0.11	mg/Kg dry	0.217	ND	130	40-140	18.2	50	
Aroclor-1260 [2C]	0.27	0.11	mg/Kg dry	0.217	ND	123	40-140	12.4	50	
Surrogate: Decachlorobiphenyl	0.216		mg/Kg dry	0.217		99.3	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.196		mg/Kg dry	0.217		90.1	30-150			
Surrogate: Tetrachloro-m-xylene	0.215		mg/Kg dry	0.217		99.0	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.195		mg/Kg dry	0.217		89.9	30-150			

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QUALITY CONTROL
Petroleum Hydrocarbons Analyses - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B183762 - SW-846 3546										
Blank (B183762-BLK1)				Prepared & Analyzed: 08/10/17						
CT ETPH	ND	10	mg/Kg wet							
Surrogate: o-Terphenyl	2.14		mg/Kg wet	3.33		64.1	50-150			
LCS (B183762-BS1)				Prepared & Analyzed: 08/10/17						
CT ETPH	20.7	10	mg/Kg wet	33.3		62.1	60-120			
Surrogate: o-Terphenyl	2.13		mg/Kg wet	3.33		64.0	50-150			
LCS Dup (B183762-BSD1)				Prepared & Analyzed: 08/10/17						
CT ETPH	21.6	10	mg/Kg wet	33.3		64.8	60-120	4.31	30	
Surrogate: o-Terphenyl	2.26		mg/Kg wet	3.33		67.8	50-150			
Matrix Spike (B183762-MS1)				Source: 17H0196-03		Prepared: 08/10/17 Analyzed: 08/11/17				
CT ETPH	162	54	mg/Kg dry	36.2	140	61.0	50-150			
Surrogate: o-Terphenyl	2.60		mg/Kg dry	3.62		71.9	50-150			
Matrix Spike Dup (B183762-MSD1)				Source: 17H0196-03		Prepared: 08/10/17 Analyzed: 08/11/17				
CT ETPH	174	54	mg/Kg dry	36.2	140	92.6	50-150	6.80	30	
Surrogate: o-Terphenyl	2.75		mg/Kg dry	3.62		76.1	50-150			

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QUALITY CONTROL
Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B183650 - % Solids
Duplicate (B183650-DUP1)
Source: 17H0196-03

Prepared: 08/09/17 Analyzed: 08/10/17

% Solids	91.7		% Wt		92.1			0.435	20	
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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332**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.
E	Reported result is estimated. Value reported over verified calibration range.
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.
MS-22	Either matrix spike or MS duplicate is outside of control limits, but the other is within limits. RPD between the two MS/MSD results is within method specified criteria.

CERTIFICATIONS
Certified Analyses included in this Report

Analyte	Certifications
<i>CTDEP ETPH in Soil</i>	
CT ETPH	CT
<i>SW-846 8082A in Soil</i>	
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
<i>SW-846 8260C in Soil</i>	
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
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

CERTIFICATIONS
Certified Analyses included in this Report

Analyte	Certifications
<i>SW-846 8260C in Soil</i>	
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
o-Xylene	CT,NH,NY,ME
<i>SW-846 8270D in Soil</i>	
Acenaphthene	CT,NY,NH,ME,NC,VA
Acenaphthylene	CT,NY,NH,ME,NC,VA
Anthracene	CT,NY,NH,ME,NC,VA
Benzo(a)anthracene	CT,NY,NH,ME,NC,VA
Benzo(a)pyrene	CT,NY,NH,ME,NC,VA
Benzo(b)fluoranthene	CT,NY,NH,ME,NC,VA
Benzo(g,h,i)perylene	CT,NY,NH,ME,NC,VA

CERTIFICATIONS

Certified Analyses included in this Report

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

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

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2005	100033	02/1/2018
MA	Massachusetts DEP	M-MA100	06/30/2018
CT	Connecticut Department of Public 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



17450190
Phone: 413-525-2332
Fax: 413-525-6405

con-test®
ANALYTICAL LABORATORY

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: Malcolm Beeler
Invoice Recipient: Malcolm Beeler (Weston & Sampson)
Sampled By: Chris Berthiaume/Will Sirotinak

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	Matrix Code	Conc Code
01	WS-AOC2-SO-2-1	8/3/16	9:10	X	X	S	U
02	WS-AOC2-SO-2-2		9:11				
03	WS-AOC2-SO-3-1		9:35				
04	WS-AOC2-SO-3-2		9:36				
05	WS-AOC2-SO-1-1		10:35				
06	WS-AOC2-SO-1-2		10:36				
07	WS-AOC2-SO-4-1		10:55				
08	WS-AOC2-SO-4-2		10:56				
09	TRIP BLANK						

Comments:

WS-AOC2-SO-3-1 (MS-MSD) only for PCB and PAH!

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: 8/3/17 14:58
Received by: (signature)	Date/Time: 8-3-17 14:56
Relinquished by: (signature)	Date/Time: 8-3-17 14:45
Received by: (signature)	Date/Time: 8/3/17 16:45
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:

Detection Limit Requirements

MA

CT

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

8/3/17 16:45

39 Spruce St.
East Longmeadow, MA. 01028
P: 413-525-2332
F: 413-525-6405
www.contestlabs.com



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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 BLF Date 8/31/17 Time 11:45

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 - 3.1°C, 4.7°C
By Blank # Actual Temp -

Was Custody Seal Intact? NA 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 Client T Analysis T Sampler Name T
pertinent Information? 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? T
Proper Media/Containers Used? T Is splitting samples required? F
Were trip blanks received? PT On COC? NA 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	
Meoh-	9	250 mL Amb.		250 mL Plastic		4oz Amb/Clear	20
Bisulfate-		Col./Bacteria		Flashpoint		2oz Amb/Clear	
DI-	18	Other Plastic		Other Glass		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock		8/31/17 11:45	

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: 17H0196

Laboratory Sample ID(s):

17H0196-01 thru 17H0196-11

Sample Date(s):

08/03/2017

List RCP Methods Used:

CTDEP ETPH, 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:
Position: Project Manager
Printed Name: Lisa A. Worthington
Date: 08/17/17
Name of Laboratory: Con-Test Analytical Laboratory

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

August 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: 17H0197

Enclosed are results of analyses for samples received by the laboratory on August 3, 2017. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink, appearing to read "James Georgantas", with a long horizontal flourish extending to the right.

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: 8/25/2017

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 2170495

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 17H0197

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

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

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
WS-AOC-12E-AS-3	17H0197-01	Product/Solid		SW-846 8082A	
WS-AOC-12E-AS-4	17H0197-02	Product/Solid		SW-846 8082A	
WS-AOC-12E-AS-54	17H0197-03	Product/Solid		SW-846 8082A	
WS-AOC-12E-AS-55	17H0197-04	Product/Solid		SW-846 8082A	
WS-AOC-12E-AS-56	17H0197-05	Product/Solid		SW-846 8082A	
WS-AOC-12E-AS-57	17H0197-06	Product/Solid		SW-846 8082A	
WS-AOC-12E-AS-58	17H0197-07	Product/Solid		SW-846 8082A	
WS-AOC-12E-AS-59	17H0197-08	Product/Solid		SW-846 8082A	
WS-AOC-12E-AS-60	17H0197-09	Product/Solid		SW-846 8082A	
WS-AOC-12E-AS-61	17H0197-10	Product/Solid		SW-846 8082A	
WS-AOC7-AS-32	17H0197-11	Product/Solid		SW-846 8082A	
WS-AOC7-AS-33	17H0197-12	Product/Solid		SW-846 8082A	
WS-AOC7-AS-24	17H0197-13	Product/Solid		SW-846 8082A	
WS-AOC7-AS-23	17H0197-14	Product/Solid		SW-846 8082A	
WS-AOC7-AS-16	17H0197-15	Product/Solid		SW-846 8082A	
WS-AOC7-AS-29	17H0197-16	Product/Solid		SW-846 8082A	
WS-AOC7-AS-30	17H0197-17	Product/Solid		SW-846 8082A	
WS-AOC7-AS-27	17H0197-18	Product/Solid		SW-846 8082A	
WS-AOC-12E-AS-1	17H0197-19	Product/Solid		SW-846 8082A	
WS-AOC-12E-AS-2	17H0197-20	Product/Solid		SW-846 8082A	

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.

A handwritten signature in black ink, appearing to read "Lisa Worthington", is written over a light pink rectangular background.

Lisa A. Worthington
Project Manager

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

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

Sample Description:

Work Order: 17H0197

Date Received: 8/3/2017

Field Sample #: WS-AOC-12E-AS-3

Sampled: 8/3/2017 08:40

Sample ID: 17H0197-01

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	0.96	mg/Kg	10		SW-846 8082A	8/11/17	8/24/17 17:20	TG
Aroclor-1221 [1]	ND	0.96	mg/Kg	10		SW-846 8082A	8/11/17	8/24/17 17:20	TG
Aroclor-1232 [1]	ND	0.96	mg/Kg	10		SW-846 8082A	8/11/17	8/24/17 17:20	TG
Aroclor-1242 [1]	ND	0.96	mg/Kg	10		SW-846 8082A	8/11/17	8/24/17 17:20	TG
Aroclor-1248 [1]	ND	0.96	mg/Kg	10		SW-846 8082A	8/11/17	8/24/17 17:20	TG
Aroclor-1254 [1]	ND	0.96	mg/Kg	10		SW-846 8082A	8/11/17	8/24/17 17:20	TG
Aroclor-1260 [1]	ND	0.96	mg/Kg	10		SW-846 8082A	8/11/17	8/24/17 17:20	TG
Aroclor-1262 [1]	ND	0.96	mg/Kg	10		SW-846 8082A	8/11/17	8/24/17 17:20	TG
Aroclor-1268 [1]	ND	0.96	mg/Kg	10		SW-846 8082A	8/11/17	8/24/17 17:20	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	108	30-150						8/24/17 17:20	
Decachlorobiphenyl [2]	110	30-150						8/24/17 17:20	
Tetrachloro-m-xylene [1]	107	30-150						8/24/17 17:20	
Tetrachloro-m-xylene [2]	106	30-150						8/24/17 17:20	

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

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

Sample Description:

Work Order: 17H0197

Date Received: 8/3/2017

Field Sample #: WS-AOC-12E-AS-4

Sampled: 8/3/2017 08:45

Sample ID: 17H0197-02

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	1.0	mg/Kg	10		SW-846 8082A	8/11/17	8/24/17 17:38	TG
Aroclor-1221 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	8/11/17	8/24/17 17:38	TG
Aroclor-1232 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	8/11/17	8/24/17 17:38	TG
Aroclor-1242 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	8/11/17	8/24/17 17:38	TG
Aroclor-1248 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	8/11/17	8/24/17 17:38	TG
Aroclor-1254 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	8/11/17	8/24/17 17:38	TG
Aroclor-1260 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	8/11/17	8/24/17 17:38	TG
Aroclor-1262 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	8/11/17	8/24/17 17:38	TG
Aroclor-1268 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	8/11/17	8/24/17 17:38	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	93.9	30-150						8/24/17 17:38	
Decachlorobiphenyl [2]	93.6	30-150						8/24/17 17:38	
Tetrachloro-m-xylene [1]	103	30-150						8/24/17 17:38	
Tetrachloro-m-xylene [2]	102	30-150						8/24/17 17:38	

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

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

Sample Description:

Work Order: 17H0197

Date Received: 8/3/2017

Field Sample #: WS-AOC-12E-AS-54

Sampled: 8/3/2017 08:50

Sample ID: 17H0197-03

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	0.93	mg/Kg	10		SW-846 8082A	8/11/17	8/24/17 17:56	TG
Aroclor-1221 [1]	ND	0.93	mg/Kg	10		SW-846 8082A	8/11/17	8/24/17 17:56	TG
Aroclor-1232 [1]	ND	0.93	mg/Kg	10		SW-846 8082A	8/11/17	8/24/17 17:56	TG
Aroclor-1242 [1]	ND	0.93	mg/Kg	10		SW-846 8082A	8/11/17	8/24/17 17:56	TG
Aroclor-1248 [1]	ND	0.93	mg/Kg	10		SW-846 8082A	8/11/17	8/24/17 17:56	TG
Aroclor-1254 [1]	ND	0.93	mg/Kg	10		SW-846 8082A	8/11/17	8/24/17 17:56	TG
Aroclor-1260 [2]	3.2	0.93	mg/Kg	10		SW-846 8082A	8/11/17	8/24/17 17:56	TG
Aroclor-1262 [1]	ND	0.93	mg/Kg	10		SW-846 8082A	8/11/17	8/24/17 17:56	TG
Aroclor-1268 [1]	ND	0.93	mg/Kg	10		SW-846 8082A	8/11/17	8/24/17 17:56	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	94.9	30-150							
Decachlorobiphenyl [2]	92.9	30-150							
Tetrachloro-m-xylene [1]	106	30-150							
Tetrachloro-m-xylene [2]	107	30-150							

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

Sample Description:

Work Order: 17H0197

Date Received: 8/3/2017

Field Sample #: WS-AOC-12E-AS-55

Sampled: 8/3/2017 08:55

Sample ID: 17H0197-04

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	0.92	mg/Kg	10		SW-846 8082A	8/11/17	8/24/17 18:15	TG
Aroclor-1221 [1]	ND	0.92	mg/Kg	10		SW-846 8082A	8/11/17	8/24/17 18:15	TG
Aroclor-1232 [1]	ND	0.92	mg/Kg	10		SW-846 8082A	8/11/17	8/24/17 18:15	TG
Aroclor-1242 [1]	ND	0.92	mg/Kg	10		SW-846 8082A	8/11/17	8/24/17 18:15	TG
Aroclor-1248 [1]	ND	0.92	mg/Kg	10		SW-846 8082A	8/11/17	8/24/17 18:15	TG
Aroclor-1254 [1]	ND	0.92	mg/Kg	10		SW-846 8082A	8/11/17	8/24/17 18:15	TG
Aroclor-1260 [1]	ND	0.92	mg/Kg	10		SW-846 8082A	8/11/17	8/24/17 18:15	TG
Aroclor-1262 [1]	ND	0.92	mg/Kg	10		SW-846 8082A	8/11/17	8/24/17 18:15	TG
Aroclor-1268 [1]	ND	0.92	mg/Kg	10		SW-846 8082A	8/11/17	8/24/17 18:15	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	97.3	30-150							
Decachlorobiphenyl [2]	92.7	30-150							
Tetrachloro-m-xylene [1]	112	30-150							
Tetrachloro-m-xylene [2]	113	30-150							

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

Sample Description:

Work Order: 17H0197

Date Received: 8/3/2017

Field Sample #: WS-AOC-12E-AS-56

Sampled: 8/3/2017 09:00

Sample ID: 17H0197-05

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	0.95	mg/Kg	10		SW-846 8082A	8/11/17	8/24/17 18:33	TG
Aroclor-1221 [1]	ND	0.95	mg/Kg	10		SW-846 8082A	8/11/17	8/24/17 18:33	TG
Aroclor-1232 [1]	ND	0.95	mg/Kg	10		SW-846 8082A	8/11/17	8/24/17 18:33	TG
Aroclor-1242 [1]	ND	0.95	mg/Kg	10		SW-846 8082A	8/11/17	8/24/17 18:33	TG
Aroclor-1248 [1]	ND	0.95	mg/Kg	10		SW-846 8082A	8/11/17	8/24/17 18:33	TG
Aroclor-1254 [1]	ND	0.95	mg/Kg	10		SW-846 8082A	8/11/17	8/24/17 18:33	TG
Aroclor-1260 [1]	ND	0.95	mg/Kg	10		SW-846 8082A	8/11/17	8/24/17 18:33	TG
Aroclor-1262 [1]	ND	0.95	mg/Kg	10		SW-846 8082A	8/11/17	8/24/17 18:33	TG
Aroclor-1268 [1]	ND	0.95	mg/Kg	10		SW-846 8082A	8/11/17	8/24/17 18:33	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	90.7	30-150						8/24/17 18:33	
Decachlorobiphenyl [2]	86.1	30-150						8/24/17 18:33	
Tetrachloro-m-xylene [1]	108	30-150						8/24/17 18:33	
Tetrachloro-m-xylene [2]	109	30-150						8/24/17 18:33	

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

Sample Description:

Work Order: 17H0197

Date Received: 8/3/2017

Field Sample #: WS-AOC-12E-AS-57

Sampled: 8/3/2017 09:05

Sample ID: 17H0197-06

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	0.98	mg/Kg	10		SW-846 8082A	8/11/17	8/24/17 18:51	TG
Aroclor-1221 [1]	ND	0.98	mg/Kg	10		SW-846 8082A	8/11/17	8/24/17 18:51	TG
Aroclor-1232 [1]	ND	0.98	mg/Kg	10		SW-846 8082A	8/11/17	8/24/17 18:51	TG
Aroclor-1242 [1]	ND	0.98	mg/Kg	10		SW-846 8082A	8/11/17	8/24/17 18:51	TG
Aroclor-1248 [1]	ND	0.98	mg/Kg	10		SW-846 8082A	8/11/17	8/24/17 18:51	TG
Aroclor-1254 [1]	ND	0.98	mg/Kg	10		SW-846 8082A	8/11/17	8/24/17 18:51	TG
Aroclor-1260 [1]	ND	0.98	mg/Kg	10		SW-846 8082A	8/11/17	8/24/17 18:51	TG
Aroclor-1262 [1]	ND	0.98	mg/Kg	10		SW-846 8082A	8/11/17	8/24/17 18:51	TG
Aroclor-1268 [1]	ND	0.98	mg/Kg	10		SW-846 8082A	8/11/17	8/24/17 18:51	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	95.8	30-150							
Decachlorobiphenyl [2]	90.8	30-150							
Tetrachloro-m-xylene [1]	113	30-150							
Tetrachloro-m-xylene [2]	114	30-150							

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

Sample Description:

Work Order: 17H0197

Date Received: 8/3/2017

Field Sample #: WS-AOC-12E-AS-58

Sampled: 8/3/2017 09:10

Sample ID: 17H0197-07

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	0.92	mg/Kg	10		SW-846 8082A	8/11/17	8/24/17 19:10	TG
Aroclor-1221 [1]	ND	0.92	mg/Kg	10		SW-846 8082A	8/11/17	8/24/17 19:10	TG
Aroclor-1232 [1]	ND	0.92	mg/Kg	10		SW-846 8082A	8/11/17	8/24/17 19:10	TG
Aroclor-1242 [1]	ND	0.92	mg/Kg	10		SW-846 8082A	8/11/17	8/24/17 19:10	TG
Aroclor-1248 [1]	ND	0.92	mg/Kg	10		SW-846 8082A	8/11/17	8/24/17 19:10	TG
Aroclor-1254 [1]	ND	0.92	mg/Kg	10		SW-846 8082A	8/11/17	8/24/17 19:10	TG
Aroclor-1260 [1]	ND	0.92	mg/Kg	10		SW-846 8082A	8/11/17	8/24/17 19:10	TG
Aroclor-1262 [1]	ND	0.92	mg/Kg	10		SW-846 8082A	8/11/17	8/24/17 19:10	TG
Aroclor-1268 [1]	ND	0.92	mg/Kg	10		SW-846 8082A	8/11/17	8/24/17 19:10	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	90.3	30-150							
Decachlorobiphenyl [2]	85.6	30-150							
Tetrachloro-m-xylene [1]	108	30-150							
Tetrachloro-m-xylene [2]	107	30-150							

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

Sample Description:

Work Order: 17H0197

Date Received: 8/3/2017

Field Sample #: WS-AOC-12E-AS-59

Sampled: 8/3/2017 09:15

Sample ID: 17H0197-08

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	1.0	mg/Kg	10		SW-846 8082A	8/11/17	8/24/17 19:28	TG
Aroclor-1221 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	8/11/17	8/24/17 19:28	TG
Aroclor-1232 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	8/11/17	8/24/17 19:28	TG
Aroclor-1242 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	8/11/17	8/24/17 19:28	TG
Aroclor-1248 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	8/11/17	8/24/17 19:28	TG
Aroclor-1254 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	8/11/17	8/24/17 19:28	TG
Aroclor-1260 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	8/11/17	8/24/17 19:28	TG
Aroclor-1262 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	8/11/17	8/24/17 19:28	TG
Aroclor-1268 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	8/11/17	8/24/17 19:28	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	85.8	30-150						8/24/17 19:28	
Decachlorobiphenyl [2]	78.1	30-150						8/24/17 19:28	
Tetrachloro-m-xylene [1]	109	30-150						8/24/17 19:28	
Tetrachloro-m-xylene [2]	110	30-150						8/24/17 19:28	

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

Sample Description:

Work Order: 17H0197

Date Received: 8/3/2017

Field Sample #: WS-AOC-12E-AS-60

Sampled: 8/3/2017 09:25

Sample ID: 17H0197-09

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	0.90	mg/Kg	10		SW-846 8082A	8/11/17	8/24/17 19:46	TG
Aroclor-1221 [1]	ND	0.90	mg/Kg	10		SW-846 8082A	8/11/17	8/24/17 19:46	TG
Aroclor-1232 [1]	ND	0.90	mg/Kg	10		SW-846 8082A	8/11/17	8/24/17 19:46	TG
Aroclor-1242 [1]	ND	0.90	mg/Kg	10		SW-846 8082A	8/11/17	8/24/17 19:46	TG
Aroclor-1248 [1]	ND	0.90	mg/Kg	10		SW-846 8082A	8/11/17	8/24/17 19:46	TG
Aroclor-1254 [1]	ND	0.90	mg/Kg	10		SW-846 8082A	8/11/17	8/24/17 19:46	TG
Aroclor-1260 [1]	ND	0.90	mg/Kg	10		SW-846 8082A	8/11/17	8/24/17 19:46	TG
Aroclor-1262 [1]	ND	0.90	mg/Kg	10		SW-846 8082A	8/11/17	8/24/17 19:46	TG
Aroclor-1268 [1]	ND	0.90	mg/Kg	10		SW-846 8082A	8/11/17	8/24/17 19:46	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	98.9	30-150							
Decachlorobiphenyl [2]	91.7	30-150							
Tetrachloro-m-xylene [1]	117	30-150							
Tetrachloro-m-xylene [2]	118	30-150							

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

Sample Description:

Work Order: 17H0197

Date Received: 8/3/2017

Field Sample #: WS-AOC-12E-AS-61

Sampled: 8/3/2017 09:30

Sample ID: 17H0197-10

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	0.96	mg/Kg	10		SW-846 8082A	8/11/17	8/24/17 20:54	TG
Aroclor-1221 [1]	ND	0.96	mg/Kg	10		SW-846 8082A	8/11/17	8/24/17 20:54	TG
Aroclor-1232 [1]	ND	0.96	mg/Kg	10		SW-846 8082A	8/11/17	8/24/17 20:54	TG
Aroclor-1242 [1]	ND	0.96	mg/Kg	10		SW-846 8082A	8/11/17	8/24/17 20:54	TG
Aroclor-1248 [1]	ND	0.96	mg/Kg	10		SW-846 8082A	8/11/17	8/24/17 20:54	TG
Aroclor-1254 [1]	ND	0.96	mg/Kg	10		SW-846 8082A	8/11/17	8/24/17 20:54	TG
Aroclor-1260 [1]	ND	0.96	mg/Kg	10		SW-846 8082A	8/11/17	8/24/17 20:54	TG
Aroclor-1262 [1]	ND	0.96	mg/Kg	10		SW-846 8082A	8/11/17	8/24/17 20:54	TG
Aroclor-1268 [1]	ND	0.96	mg/Kg	10		SW-846 8082A	8/11/17	8/24/17 20:54	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	108	30-150							
Decachlorobiphenyl [2]	104	30-150							
Tetrachloro-m-xylene [1]	118	30-150							
Tetrachloro-m-xylene [2]	119	30-150							

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

Sample Description:

Work Order: 17H0197

Date Received: 8/3/2017

Field Sample #: WS-AOC7-AS-32

Sampled: 8/3/2017 14:33

Sample ID: 17H0197-11

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	8/11/17	8/24/17 21:12	TG
Aroclor-1221 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	8/11/17	8/24/17 21:12	TG
Aroclor-1232 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	8/11/17	8/24/17 21:12	TG
Aroclor-1242 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	8/11/17	8/24/17 21:12	TG
Aroclor-1248 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	8/11/17	8/24/17 21:12	TG
Aroclor-1254 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	8/11/17	8/24/17 21:12	TG
Aroclor-1260 [1]	0.48	0.096	mg/Kg	1		SW-846 8082A	8/11/17	8/24/17 21:12	TG
Aroclor-1262 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	8/11/17	8/24/17 21:12	TG
Aroclor-1268 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	8/11/17	8/24/17 21:12	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	81.9	30-150							
Decachlorobiphenyl [2]	68.8	30-150							
Tetrachloro-m-xylene [1]	93.6	30-150							
Tetrachloro-m-xylene [2]	82.3	30-150							

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

Sample Description:

Work Order: 17H0197

Date Received: 8/3/2017

Field Sample #: WS-AOC7-AS-33

Sampled: 8/3/2017 14:34

Sample ID: 17H0197-12

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	0.094	mg/Kg	1		SW-846 8082A	8/11/17	8/24/17 21:31	TG
Aroclor-1221 [1]	ND	0.094	mg/Kg	1		SW-846 8082A	8/11/17	8/24/17 21:31	TG
Aroclor-1232 [1]	ND	0.094	mg/Kg	1		SW-846 8082A	8/11/17	8/24/17 21:31	TG
Aroclor-1242 [1]	ND	0.094	mg/Kg	1		SW-846 8082A	8/11/17	8/24/17 21:31	TG
Aroclor-1248 [1]	ND	0.094	mg/Kg	1		SW-846 8082A	8/11/17	8/24/17 21:31	TG
Aroclor-1254 [1]	ND	0.094	mg/Kg	1		SW-846 8082A	8/11/17	8/24/17 21:31	TG
Aroclor-1260 [1]	0.52	0.094	mg/Kg	1		SW-846 8082A	8/11/17	8/24/17 21:31	TG
Aroclor-1262 [1]	ND	0.094	mg/Kg	1		SW-846 8082A	8/11/17	8/24/17 21:31	TG
Aroclor-1268 [1]	ND	0.094	mg/Kg	1		SW-846 8082A	8/11/17	8/24/17 21:31	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	80.2	30-150							
Decachlorobiphenyl [2]	65.7	30-150							
Tetrachloro-m-xylene [1]	86.1	30-150							
Tetrachloro-m-xylene [2]	73.0	30-150							

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

Sample Description:

Work Order: 17H0197

Date Received: 8/3/2017

Field Sample #: WS-AOC7-AS-24

Sampled: 8/3/2017 14:32

Sample ID: 17H0197-13

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	0.098	mg/Kg	1		SW-846 8082A	8/11/17	8/24/17 21:49	TG
Aroclor-1221 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	8/11/17	8/24/17 21:49	TG
Aroclor-1232 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	8/11/17	8/24/17 21:49	TG
Aroclor-1242 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	8/11/17	8/24/17 21:49	TG
Aroclor-1248 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	8/11/17	8/24/17 21:49	TG
Aroclor-1254 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	8/11/17	8/24/17 21:49	TG
Aroclor-1260 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	8/11/17	8/24/17 21:49	TG
Aroclor-1262 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	8/11/17	8/24/17 21:49	TG
Aroclor-1268 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	8/11/17	8/24/17 21:49	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	94.9	30-150							
Decachlorobiphenyl [2]	87.1	30-150							
Tetrachloro-m-xylene [1]	91.3	30-150							
Tetrachloro-m-xylene [2]	82.4	30-150							

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

Sample Description:

Work Order: 17H0197

Date Received: 8/3/2017

Field Sample #: WS-AOC7-AS-23

Sampled: 8/3/2017 14:30

Sample ID: 17H0197-14

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	0.099	mg/Kg	1		SW-846 8082A	8/11/17	8/24/17 22:07	TG
Aroclor-1221 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/11/17	8/24/17 22:07	TG
Aroclor-1232 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/11/17	8/24/17 22:07	TG
Aroclor-1242 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/11/17	8/24/17 22:07	TG
Aroclor-1248 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/11/17	8/24/17 22:07	TG
Aroclor-1254 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/11/17	8/24/17 22:07	TG
Aroclor-1260 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/11/17	8/24/17 22:07	TG
Aroclor-1262 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/11/17	8/24/17 22:07	TG
Aroclor-1268 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/11/17	8/24/17 22:07	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	97.3	30-150							
Decachlorobiphenyl [2]	91.0	30-150							
Tetrachloro-m-xylene [1]	97.4	30-150							
Tetrachloro-m-xylene [2]	86.1	30-150							

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

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

Sample Description:

Work Order: 17H0197

Date Received: 8/3/2017

Field Sample #: WS-AOC7-AS-16

Sampled: 8/3/2017 14:00

Sample ID: 17H0197-15

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	0.93	mg/Kg	10		SW-846 8082A	8/11/17	8/24/17 22:25	TG
Aroclor-1221 [1]	ND	0.93	mg/Kg	10		SW-846 8082A	8/11/17	8/24/17 22:25	TG
Aroclor-1232 [1]	ND	0.93	mg/Kg	10		SW-846 8082A	8/11/17	8/24/17 22:25	TG
Aroclor-1242 [1]	ND	0.93	mg/Kg	10		SW-846 8082A	8/11/17	8/24/17 22:25	TG
Aroclor-1248 [1]	ND	0.93	mg/Kg	10		SW-846 8082A	8/11/17	8/24/17 22:25	TG
Aroclor-1254 [1]	ND	0.93	mg/Kg	10		SW-846 8082A	8/11/17	8/24/17 22:25	TG
Aroclor-1260 [1]	ND	0.93	mg/Kg	10		SW-846 8082A	8/11/17	8/24/17 22:25	TG
Aroclor-1262 [1]	ND	0.93	mg/Kg	10		SW-846 8082A	8/11/17	8/24/17 22:25	TG
Aroclor-1268 [1]	ND	0.93	mg/Kg	10		SW-846 8082A	8/11/17	8/24/17 22:25	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	105	30-150						8/24/17 22:25	
Decachlorobiphenyl [2]	103	30-150						8/24/17 22:25	
Tetrachloro-m-xylene [1]	112	30-150						8/24/17 22:25	
Tetrachloro-m-xylene [2]	115	30-150						8/24/17 22:25	

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

Sample Description:

Work Order: 17H0197

Date Received: 8/3/2017

Field Sample #: WS-AOC7-AS-29

Sampled: 8/3/2017 13:56

Sample ID: 17H0197-16

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	0.088	mg/Kg	1		SW-846 8082A	8/11/17	8/24/17 22:44	TG
Aroclor-1221 [1]	ND	0.088	mg/Kg	1		SW-846 8082A	8/11/17	8/24/17 22:44	TG
Aroclor-1232 [1]	ND	0.088	mg/Kg	1		SW-846 8082A	8/11/17	8/24/17 22:44	TG
Aroclor-1242 [1]	ND	0.088	mg/Kg	1		SW-846 8082A	8/11/17	8/24/17 22:44	TG
Aroclor-1248 [1]	ND	0.088	mg/Kg	1		SW-846 8082A	8/11/17	8/24/17 22:44	TG
Aroclor-1254 [1]	ND	0.088	mg/Kg	1		SW-846 8082A	8/11/17	8/24/17 22:44	TG
Aroclor-1260 [1]	ND	0.088	mg/Kg	1		SW-846 8082A	8/11/17	8/24/17 22:44	TG
Aroclor-1262 [1]	ND	0.088	mg/Kg	1		SW-846 8082A	8/11/17	8/24/17 22:44	TG
Aroclor-1268 [1]	ND	0.088	mg/Kg	1		SW-846 8082A	8/11/17	8/24/17 22:44	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	88.7	30-150						8/24/17 22:44	
Decachlorobiphenyl [2]	81.4	30-150						8/24/17 22:44	
Tetrachloro-m-xylene [1]	78.4	30-150						8/24/17 22:44	
Tetrachloro-m-xylene [2]	68.3	30-150						8/24/17 22:44	

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

Sample Description:

Work Order: 17H0197

Date Received: 8/3/2017

Field Sample #: WS-AOC7-AS-30

Sampled: 8/3/2017 13:58

Sample ID: 17H0197-17

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	0.093	mg/Kg	1		SW-846 8082A	8/11/17	8/24/17 23:02	TG
Aroclor-1221 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	8/11/17	8/24/17 23:02	TG
Aroclor-1232 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	8/11/17	8/24/17 23:02	TG
Aroclor-1242 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	8/11/17	8/24/17 23:02	TG
Aroclor-1248 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	8/11/17	8/24/17 23:02	TG
Aroclor-1254 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	8/11/17	8/24/17 23:02	TG
Aroclor-1260 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	8/11/17	8/24/17 23:02	TG
Aroclor-1262 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	8/11/17	8/24/17 23:02	TG
Aroclor-1268 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	8/11/17	8/24/17 23:02	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	89.0	30-150							
Decachlorobiphenyl [2]	82.2	30-150							
Tetrachloro-m-xylene [1]	81.6	30-150							
Tetrachloro-m-xylene [2]	67.0	30-150							

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

Sample Description:

Work Order: 17H0197

Date Received: 8/3/2017

Field Sample #: WS-AOC7-AS-27

Sampled: 8/3/2017 13:47

Sample ID: 17H0197-18

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	0.088	mg/Kg	1		SW-846 8082A	8/11/17	8/24/17 23:20	TG
Aroclor-1221 [1]	ND	0.088	mg/Kg	1		SW-846 8082A	8/11/17	8/24/17 23:20	TG
Aroclor-1232 [1]	ND	0.088	mg/Kg	1		SW-846 8082A	8/11/17	8/24/17 23:20	TG
Aroclor-1242 [1]	ND	0.088	mg/Kg	1		SW-846 8082A	8/11/17	8/24/17 23:20	TG
Aroclor-1248 [1]	ND	0.088	mg/Kg	1		SW-846 8082A	8/11/17	8/24/17 23:20	TG
Aroclor-1254 [1]	ND	0.088	mg/Kg	1		SW-846 8082A	8/11/17	8/24/17 23:20	TG
Aroclor-1260 [1]	ND	0.088	mg/Kg	1		SW-846 8082A	8/11/17	8/24/17 23:20	TG
Aroclor-1262 [1]	ND	0.088	mg/Kg	1		SW-846 8082A	8/11/17	8/24/17 23:20	TG
Aroclor-1268 [1]	ND	0.088	mg/Kg	1		SW-846 8082A	8/11/17	8/24/17 23:20	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	102	30-150						8/24/17 23:20	
Decachlorobiphenyl [2]	95.6	30-150						8/24/17 23:20	
Tetrachloro-m-xylene [1]	97.4	30-150						8/24/17 23:20	
Tetrachloro-m-xylene [2]	86.4	30-150						8/24/17 23:20	

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

Sample Description:

Work Order: 17H0197

Date Received: 8/3/2017

Field Sample #: WS-AOC-12E-AS-1

Sampled: 8/3/2017 08:30

Sample ID: 17H0197-19

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	0.99	mg/Kg	10		SW-846 8082A	8/11/17	8/24/17 23:38	TG
Aroclor-1221 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/11/17	8/24/17 23:38	TG
Aroclor-1232 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/11/17	8/24/17 23:38	TG
Aroclor-1242 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/11/17	8/24/17 23:38	TG
Aroclor-1248 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/11/17	8/24/17 23:38	TG
Aroclor-1254 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/11/17	8/24/17 23:38	TG
Aroclor-1260 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/11/17	8/24/17 23:38	TG
Aroclor-1262 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/11/17	8/24/17 23:38	TG
Aroclor-1268 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/11/17	8/24/17 23:38	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	109	30-150						8/24/17 23:38	
Decachlorobiphenyl [2]	108	30-150						8/24/17 23:38	
Tetrachloro-m-xylene [1]	119	30-150						8/24/17 23:38	
Tetrachloro-m-xylene [2]	119	30-150						8/24/17 23:38	

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

Sample Description:

Work Order: 17H0197

Date Received: 8/3/2017

Field Sample #: WS-AOC-12E-AS-2

Sampled: 8/3/2017 08:35

Sample ID: 17H0197-20

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	0.92	mg/Kg	10		SW-846 8082A	8/11/17	8/24/17 23:57	TG
Aroclor-1221 [1]	ND	0.92	mg/Kg	10		SW-846 8082A	8/11/17	8/24/17 23:57	TG
Aroclor-1232 [1]	ND	0.92	mg/Kg	10		SW-846 8082A	8/11/17	8/24/17 23:57	TG
Aroclor-1242 [1]	ND	0.92	mg/Kg	10		SW-846 8082A	8/11/17	8/24/17 23:57	TG
Aroclor-1248 [1]	ND	0.92	mg/Kg	10		SW-846 8082A	8/11/17	8/24/17 23:57	TG
Aroclor-1254 [1]	ND	0.92	mg/Kg	10		SW-846 8082A	8/11/17	8/24/17 23:57	TG
Aroclor-1260 [1]	ND	0.92	mg/Kg	10		SW-846 8082A	8/11/17	8/24/17 23:57	TG
Aroclor-1262 [1]	ND	0.92	mg/Kg	10		SW-846 8082A	8/11/17	8/24/17 23:57	TG
Aroclor-1268 [1]	ND	0.92	mg/Kg	10		SW-846 8082A	8/11/17	8/24/17 23:57	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	86.1	30-150						8/24/17 23:57	
Decachlorobiphenyl [2]	84.5	30-150						8/24/17 23:57	
Tetrachloro-m-xylene [1]	98.5	30-150						8/24/17 23:57	
Tetrachloro-m-xylene [2]	99.2	30-150						8/24/17 23:57	

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
17H0197-01 [WS-AOC-12E-AS-3]	B183926	2.09	10.0	08/11/17
17H0197-02 [WS-AOC-12E-AS-4]	B183926	2.01	10.0	08/11/17
17H0197-03 [WS-AOC-12E-AS-54]	B183926	2.15	10.0	08/11/17
17H0197-04 [WS-AOC-12E-AS-55]	B183926	2.17	10.0	08/11/17
17H0197-05 [WS-AOC-12E-AS-56]	B183926	2.10	10.0	08/11/17
17H0197-06 [WS-AOC-12E-AS-57]	B183926	2.05	10.0	08/11/17
17H0197-07 [WS-AOC-12E-AS-58]	B183926	2.17	10.0	08/11/17
17H0197-08 [WS-AOC-12E-AS-59]	B183926	2.00	10.0	08/11/17
17H0197-09 [WS-AOC-12E-AS-60]	B183926	2.23	10.0	08/11/17
17H0197-10 [WS-AOC-12E-AS-61]	B183926	2.09	10.0	08/11/17
17H0197-11 [WS-AOC7-AS-32]	B183926	2.08	10.0	08/11/17
17H0197-12 [WS-AOC7-AS-33]	B183926	2.12	10.0	08/11/17
17H0197-13 [WS-AOC7-AS-24]	B183926	2.05	10.0	08/11/17
17H0197-14 [WS-AOC7-AS-23]	B183926	2.02	10.0	08/11/17
17H0197-15 [WS-AOC7-AS-16]	B183926	2.16	10.0	08/11/17
17H0197-16 [WS-AOC7-AS-29]	B183926	2.27	10.0	08/11/17
17H0197-17 [WS-AOC7-AS-30]	B183926	2.16	10.0	08/11/17
17H0197-18 [WS-AOC7-AS-27]	B183926	2.26	10.0	08/11/17
17H0197-19 [WS-AOC-12E-AS-1]	B183926	2.02	10.0	08/11/17
17H0197-20 [WS-AOC-12E-AS-2]	B183926	2.17	10.0	08/11/17

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QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B183926 - SW-846 3540C

Blank (B183926-BLK1)

Prepared: 08/11/17 Analyzed: 08/24/17

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	1.02		mg/Kg	1.00		102	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.979		mg/Kg	1.00		97.9	30-150			
Surrogate: Tetrachloro-m-xylene	0.931		mg/Kg	1.00		93.1	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.815		mg/Kg	1.00		81.5	30-150			

LCS (B183926-BS1)

Prepared: 08/11/17 Analyzed: 08/24/17

Aroclor-1016	0.82	0.10	mg/Kg	1.00		81.6	40-140			
Aroclor-1016 [2C]	0.80	0.10	mg/Kg	1.00		80.3	40-140			
Aroclor-1260	0.76	0.10	mg/Kg	1.00		76.2	40-140			
Aroclor-1260 [2C]	0.74	0.10	mg/Kg	1.00		73.5	40-140			
Surrogate: Decachlorobiphenyl	1.03		mg/Kg	1.00		103	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.990		mg/Kg	1.00		99.0	30-150			
Surrogate: Tetrachloro-m-xylene	0.818		mg/Kg	1.00		81.8	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.738		mg/Kg	1.00		73.8	30-150			

LCS Dup (B183926-BSD1)

Prepared: 08/11/17 Analyzed: 08/24/17

Aroclor-1016	0.84	0.10	mg/Kg	1.00		83.6	40-140	2.48	30	
Aroclor-1016 [2C]	0.81	0.10	mg/Kg	1.00		80.7	40-140	0.504	30	
Aroclor-1260	0.75	0.10	mg/Kg	1.00		75.4	40-140	1.04	30	
Aroclor-1260 [2C]	0.74	0.10	mg/Kg	1.00		73.6	40-140	0.0700	30	
Surrogate: Decachlorobiphenyl	1.00		mg/Kg	1.00		100	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.962		mg/Kg	1.00		96.2	30-150			
Surrogate: Tetrachloro-m-xylene	0.842		mg/Kg	1.00		84.2	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.761		mg/Kg	1.00		76.1	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
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Batch B183926 - SW-846 3540C
Matrix Spike (B183926-MS1)
Source: 17H0197-01

Prepared: 08/11/17 Analyzed: 08/25/17

Aroclor-1016	1.1	0.94	mg/Kg	0.939	ND	122	40-140			
Aroclor-1016 [2C]	1.2	0.94	mg/Kg	0.939	ND	125	40-140			
Aroclor-1260	0.92	0.94	mg/Kg	0.939	ND	98.5	40-140			
Aroclor-1260 [2C]	1.0	0.94	mg/Kg	0.939	ND	106	40-140			
Surrogate: Decachlorobiphenyl	0.922		mg/Kg	0.939		98.2	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.892		mg/Kg	0.939		95.0	30-150			
Surrogate: Tetrachloro-m-xylene	1.06		mg/Kg	0.939		113	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	1.06		mg/Kg	0.939		113	30-150			

Matrix Spike Dup (B183926-MSD1)
Source: 17H0197-01

Prepared: 08/11/17 Analyzed: 08/25/17

Aroclor-1016	1.1	0.96	mg/Kg	0.962	ND	114	40-140	4.29	50	
Aroclor-1016 [2C]	1.2	0.96	mg/Kg	0.962	ND	124	40-140	1.78	50	
Aroclor-1260	0.90	0.96	mg/Kg	0.962	ND	94.1	40-140	2.19	50	
Aroclor-1260 [2C]	1.0	0.96	mg/Kg	0.962	ND	107	40-140	3.08	50	
Surrogate: Decachlorobiphenyl	0.871		mg/Kg	0.962		90.6	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.849		mg/Kg	0.962		88.3	30-150			
Surrogate: Tetrachloro-m-xylene	1.00		mg/Kg	0.962		104	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	1.02		mg/Kg	0.962		106	30-150			

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES****WS-AOC-12E-AS-54***SW-846 8082A*

Lab Sample ID: 17H0197-03 Date(s) Analyzed: 08/24/2017 08/24/2017
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	2.9	
	2	0.000	0.000	0.000	3.2	9.8

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES***SW-846 8082A***WS-AOC7-AS-32**Lab Sample ID: 17H0197-11 Date(s) Analyzed: 08/24/2017 08/24/2017

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	0.48	
	2	0.000	0.000	0.000	0.42	13.3

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES***SW-846 8082A***WS-AOC7-AS-33**Lab Sample ID: 17H0197-12 Date(s) Analyzed: 08/24/2017 08/24/2017

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	0.52	
	2	0.000	0.000	0.000	0.45	14.4

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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.

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
<i>SW-846 8082A in Product/Solid</i>	
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 Public 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



Phone: 413-525-2332
Fax: 413-525-6405

Email: info@contestlabs.com

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 Sirotak

Requested Turnaround Time	
7-Day ☒	10-Day ☐
Other: ☐	
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	Matrix Code	Conc Code
01	WS-AOL-12E-AS-3	8/31/17	0840		X	O	U
02	WS-AOL-12E-AS-4		0845				
03	WS-AOL-12E-AS-54		0850				
04	WS-AOL-12E-AS-55		0855				
05	WS-AOL-12E-AS-56		0900				
06	WS-AOL-12E-AS-57		0905				
07	WS-AOL-12E-AS-58		0910				
08	WS-AOL-12E-AS-59		0915				
09	WS-AOL-12E-AS-60		0925				
10	WS-AOL-12E-AS-61		0930				

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

Detection Limit Requirements	
Relinquished by: (signature)	Date/Time: 8/31/17 14:58
Received by: (signature)	Date/Time: 8-31-17 14:58
Relinquished by: (signature)	Date/Time: 8-31-17 9:45
Received by: (signature)	Date/Time: 8-31-17 16:45
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:

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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Fax: 413-525-6405

Email: info@contestlabs.com

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: Malcom Beeler (Weston & Sampson)

Invoice Recipient: Chris Berthiaume/Will Sirotnak

Sampled By: Chris Berthiaume/Will Sirotnak

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	Matrix Code	Conc Code
11	WS-AOC7-AS-33	8/3/17	1433	X		O	U
12	WS-AOC7-AS-33		1434				
13	WS-AOC7-AS-24		1432				
14	WS-AOC7-AS-23		1430				
15	WS-AOC7-AS-16		1400				
16	WS-AOC7-AS-27		1356				
17	WS-AOC7-AS-30		1358				
18	WS-AOC7-AS-27		1347				
19	WS-AOC7E-AS-1		0830				
20	WS-AOC7E-AS-2		0835				

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

Detection Limit Requirements

Relinquished by: (signature)	Date/Time	MA
Alan... 8/3/17 14:58		
Received by: (signature)	Date/Time	CT
... 8-3-17 14:58		
Relinquished by: (signature)	Date/Time	Other
... 8-3-17 4:45		
Received by: (signature)	Date/Time	Other
... 8/3/17 16:45		

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

# of Containers	
2 Preservation Code	
3 Container Code	

ANALYSIS REQUESTED

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)
Other 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)

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East Longmeadow, MA. 01028
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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 BLF Date 8/3/17 Time 11:45

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 - 3.1°C, 4.7°C
By Blank # Actual Temp -

Was Custody Seal Intact? NA 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? 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	
HCL-		500 mL Amb.		500 mL Plastic	
Meoh-		250 mL Amb.		250 mL Plastic	
Bisulfate-		Col./Bacteria		Flashpoint	
DI-		Other Plastic		Other Glass	
Thiosulfate-		SOC Kit		Plastic Bag	
Sulfuric-		Perchlorate		Ziplock	

Unused Media

Vials	#	Containers:	#	#	#
Unp-		1 Liter Amb.		1 Liter Plastic	
HCL-		500 mL Amb.		500 mL Plastic	
Meoh-		250 mL Amb.		250 mL Plastic	
Bisulfate-		Col./Bacteria		Flashpoint	
DI-		Other Plastic		Other Glass	
Thiosulfate-		SOC Kit		Plastic Bag	
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: 17H0197

Laboratory Sample ID(s):

17H0197-01 thru 17H0197-20

Sample Date(s):

08/03/2017

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:
Position: Project Manager
Printed Name: Lisa A. Worthington
Date: 08/25/17
Name of Laboratory: Con-Test Analytical Laboratory

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

August 17, 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: 17H0199

Enclosed are results of analyses for samples received by the laboratory on August 3, 2017. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink, appearing to read "James Georgantas", with a long, sweeping horizontal line extending to the right.

James M. Georgantas
Project Manager

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

REPORT DATE: 8/17/2017

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 2170495

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 17H0199

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-AS-26	17H0199-01	Product/Solid		SW-846 8082A	
WS-AOC7-AS-1	17H0199-02	Product/Solid		SW-846 8082A	
WS-AOC13-AS-23	17H0199-03	Product/Solid		SW-846 8082A	
WS-AOC13-AS-21	17H0199-04	Product/Solid		SW-846 8082A	
WS-AOC13-AS-17	17H0199-05	Product/Solid		SW-846 8082A	
WS-AOC13-AS-15	17H0199-06	Product/Solid		SW-846 8082A	
WS-AOC13-AS-16	17H0199-07	Product/Solid		SW-846 8082A	
WS-AOC13-AS-22	17H0199-08	Product/Solid		SW-846 8082A	
WS-AOC12E-AS-64	17H0199-09	Product/Solid		SW-846 8082A	
WS-AOC12E-AS-63	17H0199-10	Product/Solid		SW-846 8082A	
WS-AOC12E-AS-62	17H0199-11	Product/Solid		SW-846 8082A	
WS-AOC7-AS-DUP7	17H0199-12	Product/Solid		SW-846 8082A	
WS-AOC13-AS-DUP6	17H0199-13	Product/Solid		SW-846 8082A	

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.

A handwritten signature in black ink, appearing to read "Lisa Worthington", is written over a light pink rectangular background.

Lisa A. Worthington
Project Manager

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

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

Sample Description:

Work Order: 17H0199

Date Received: 8/3/2017

Field Sample #: WS-AOC13-AS-26

Sampled: 8/3/2017 10:50

Sample ID: 17H0199-01

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	0.98	mg/Kg	10		SW-846 8082A	8/12/17	8/15/17 22:06	JMB
Aroclor-1221 [1]	ND	0.98	mg/Kg	10		SW-846 8082A	8/12/17	8/15/17 22:06	JMB
Aroclor-1232 [1]	ND	0.98	mg/Kg	10		SW-846 8082A	8/12/17	8/15/17 22:06	JMB
Aroclor-1242 [1]	ND	0.98	mg/Kg	10		SW-846 8082A	8/12/17	8/15/17 22:06	JMB
Aroclor-1248 [1]	ND	0.98	mg/Kg	10		SW-846 8082A	8/12/17	8/15/17 22:06	JMB
Aroclor-1254 [1]	ND	0.98	mg/Kg	10		SW-846 8082A	8/12/17	8/15/17 22:06	JMB
Aroclor-1260 [1]	ND	0.98	mg/Kg	10		SW-846 8082A	8/12/17	8/15/17 22:06	JMB
Aroclor-1262 [1]	ND	0.98	mg/Kg	10		SW-846 8082A	8/12/17	8/15/17 22:06	JMB
Aroclor-1268 [1]	ND	0.98	mg/Kg	10		SW-846 8082A	8/12/17	8/15/17 22:06	JMB
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	110	30-150						8/15/17 22:06	
Decachlorobiphenyl [2]	101	30-150						8/15/17 22:06	
Tetrachloro-m-xylene [1]	97.1	30-150						8/15/17 22:06	
Tetrachloro-m-xylene [2]	103	30-150						8/15/17 22:06	

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

Sample Description:

Work Order: 17H0199

Date Received: 8/3/2017

Field Sample #: WS-AOC7-AS-1

Sampled: 8/3/2017 11:43

Sample ID: 17H0199-02

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	0.99	mg/Kg	10		SW-846 8082A	8/12/17	8/15/17 22:24	JMB
Aroclor-1221 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/12/17	8/15/17 22:24	JMB
Aroclor-1232 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/12/17	8/15/17 22:24	JMB
Aroclor-1242 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/12/17	8/15/17 22:24	JMB
Aroclor-1248 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/12/17	8/15/17 22:24	JMB
Aroclor-1254 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/12/17	8/15/17 22:24	JMB
Aroclor-1260 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/12/17	8/15/17 22:24	JMB
Aroclor-1262 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/12/17	8/15/17 22:24	JMB
Aroclor-1268 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/12/17	8/15/17 22:24	JMB
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	101	30-150						8/15/17 22:24	
Decachlorobiphenyl [2]	92.6	30-150						8/15/17 22:24	
Tetrachloro-m-xylene [1]	91.7	30-150						8/15/17 22:24	
Tetrachloro-m-xylene [2]	98.3	30-150						8/15/17 22:24	

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

Sample Description:

Work Order: 17H0199

Date Received: 8/3/2017

Field Sample #: WS-AOC13-AS-23

Sampled: 8/3/2017 11:37

Sample ID: 17H0199-03

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	0.99	mg/Kg	10		SW-846 8082A	8/12/17	8/15/17 22:42	JMB
Aroclor-1221 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/12/17	8/15/17 22:42	JMB
Aroclor-1232 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/12/17	8/15/17 22:42	JMB
Aroclor-1242 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/12/17	8/15/17 22:42	JMB
Aroclor-1248 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/12/17	8/15/17 22:42	JMB
Aroclor-1254 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/12/17	8/15/17 22:42	JMB
Aroclor-1260 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/12/17	8/15/17 22:42	JMB
Aroclor-1262 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/12/17	8/15/17 22:42	JMB
Aroclor-1268 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/12/17	8/15/17 22:42	JMB
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	110	30-150						8/15/17 22:42	
Decachlorobiphenyl [2]	99.4	30-150						8/15/17 22:42	
Tetrachloro-m-xylene [1]	101	30-150						8/15/17 22:42	
Tetrachloro-m-xylene [2]	106	30-150						8/15/17 22:42	

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

Sample Description:

Work Order: 17H0199

Date Received: 8/3/2017

Field Sample #: WS-AOC13-AS-21

Sampled: 8/3/2017 11:25

Sample ID: 17H0199-04

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	0.98	mg/Kg	10		SW-846 8082A	8/12/17	8/15/17 23:00	JMB
Aroclor-1221 [1]	ND	0.98	mg/Kg	10		SW-846 8082A	8/12/17	8/15/17 23:00	JMB
Aroclor-1232 [1]	ND	0.98	mg/Kg	10		SW-846 8082A	8/12/17	8/15/17 23:00	JMB
Aroclor-1242 [1]	ND	0.98	mg/Kg	10		SW-846 8082A	8/12/17	8/15/17 23:00	JMB
Aroclor-1248 [1]	ND	0.98	mg/Kg	10		SW-846 8082A	8/12/17	8/15/17 23:00	JMB
Aroclor-1254 [1]	ND	0.98	mg/Kg	10		SW-846 8082A	8/12/17	8/15/17 23:00	JMB
Aroclor-1260 [1]	ND	0.98	mg/Kg	10		SW-846 8082A	8/12/17	8/15/17 23:00	JMB
Aroclor-1262 [1]	ND	0.98	mg/Kg	10		SW-846 8082A	8/12/17	8/15/17 23:00	JMB
Aroclor-1268 [1]	ND	0.98	mg/Kg	10		SW-846 8082A	8/12/17	8/15/17 23:00	JMB
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	118	30-150						8/15/17 23:00	
Decachlorobiphenyl [2]	106	30-150						8/15/17 23:00	
Tetrachloro-m-xylene [1]	110	30-150						8/15/17 23:00	
Tetrachloro-m-xylene [2]	115	30-150						8/15/17 23:00	

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

Sample Description:

Work Order: 17H0199

Date Received: 8/3/2017

Field Sample #: WS-AOC13-AS-17

Sampled: 8/3/2017 10:40

Sample ID: 17H0199-05

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	0.99	mg/Kg	10		SW-846 8082A	8/12/17	8/17/17 1:59	TG
Aroclor-1221 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/12/17	8/17/17 1:59	TG
Aroclor-1232 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/12/17	8/17/17 1:59	TG
Aroclor-1242 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/12/17	8/17/17 1:59	TG
Aroclor-1248 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/12/17	8/17/17 1:59	TG
Aroclor-1254 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/12/17	8/17/17 1:59	TG
Aroclor-1260 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/12/17	8/17/17 1:59	TG
Aroclor-1262 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/12/17	8/17/17 1:59	TG
Aroclor-1268 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/12/17	8/17/17 1:59	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	92.8	30-150						8/17/17 1:59	
Decachlorobiphenyl [2]	87.1	30-150						8/17/17 1:59	
Tetrachloro-m-xylene [1]	82.1	30-150						8/17/17 1:59	
Tetrachloro-m-xylene [2]	95.7	30-150						8/17/17 1:59	

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

Sample Description:

Work Order: 17H0199

Date Received: 8/3/2017

Field Sample #: WS-AOC13-AS-15

Sampled: 8/3/2017 10:30

Sample ID: 17H0199-06

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	0.99	mg/Kg	10		SW-846 8082A	8/12/17	8/17/17 2:16	TG
Aroclor-1221 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/12/17	8/17/17 2:16	TG
Aroclor-1232 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/12/17	8/17/17 2:16	TG
Aroclor-1242 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/12/17	8/17/17 2:16	TG
Aroclor-1248 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/12/17	8/17/17 2:16	TG
Aroclor-1254 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/12/17	8/17/17 2:16	TG
Aroclor-1260 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/12/17	8/17/17 2:16	TG
Aroclor-1262 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/12/17	8/17/17 2:16	TG
Aroclor-1268 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/12/17	8/17/17 2:16	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	96.2	30-150						8/17/17 2:16	
Decachlorobiphenyl [2]	90.9	30-150						8/17/17 2:16	
Tetrachloro-m-xylene [1]	90.6	30-150						8/17/17 2:16	
Tetrachloro-m-xylene [2]	104	30-150						8/17/17 2:16	

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

Sample Description:

Work Order: 17H0199

Date Received: 8/3/2017

Field Sample #: WS-AOC13-AS-16

Sampled: 8/3/2017 10:35

Sample ID: 17H0199-07

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	1.0	mg/Kg	10		SW-846 8082A	8/12/17	8/17/17 2:34	TG
Aroclor-1221 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	8/12/17	8/17/17 2:34	TG
Aroclor-1232 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	8/12/17	8/17/17 2:34	TG
Aroclor-1242 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	8/12/17	8/17/17 2:34	TG
Aroclor-1248 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	8/12/17	8/17/17 2:34	TG
Aroclor-1254 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	8/12/17	8/17/17 2:34	TG
Aroclor-1260 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	8/12/17	8/17/17 2:34	TG
Aroclor-1262 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	8/12/17	8/17/17 2:34	TG
Aroclor-1268 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	8/12/17	8/17/17 2:34	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	97.1	30-150						8/17/17 2:34	
Decachlorobiphenyl [2]	92.5	30-150						8/17/17 2:34	
Tetrachloro-m-xylene [1]	94.6	30-150						8/17/17 2:34	
Tetrachloro-m-xylene [2]	106	30-150						8/17/17 2:34	

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

Sample Description:

Work Order: 17H0199

Date Received: 8/3/2017

Field Sample #: WS-AOC13-AS-22

Sampled: 8/3/2017 11:36

Sample ID: 17H0199-08

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	0.99	mg/Kg	10		SW-846 8082A	8/12/17	8/17/17 2:51	TG
Aroclor-1221 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/12/17	8/17/17 2:51	TG
Aroclor-1232 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/12/17	8/17/17 2:51	TG
Aroclor-1242 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/12/17	8/17/17 2:51	TG
Aroclor-1248 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/12/17	8/17/17 2:51	TG
Aroclor-1254 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/12/17	8/17/17 2:51	TG
Aroclor-1260 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/12/17	8/17/17 2:51	TG
Aroclor-1262 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/12/17	8/17/17 2:51	TG
Aroclor-1268 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/12/17	8/17/17 2:51	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	94.2	30-150						8/17/17 2:51	
Decachlorobiphenyl [2]	90.2	30-150						8/17/17 2:51	
Tetrachloro-m-xylene [1]	88.7	30-150						8/17/17 2:51	
Tetrachloro-m-xylene [2]	102	30-150						8/17/17 2:51	

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

Sample Description:

Work Order: 17H0199

Date Received: 8/3/2017

Field Sample #: WS-AOC12E-AS-64

Sampled: 8/3/2017 09:45

Sample ID: 17H0199-09

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	0.99	mg/Kg	10		SW-846 8082A	8/12/17	8/17/17 3:08	TG
Aroclor-1221 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/12/17	8/17/17 3:08	TG
Aroclor-1232 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/12/17	8/17/17 3:08	TG
Aroclor-1242 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/12/17	8/17/17 3:08	TG
Aroclor-1248 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/12/17	8/17/17 3:08	TG
Aroclor-1254 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/12/17	8/17/17 3:08	TG
Aroclor-1260 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/12/17	8/17/17 3:08	TG
Aroclor-1262 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/12/17	8/17/17 3:08	TG
Aroclor-1268 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/12/17	8/17/17 3:08	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	65.4	30-150						8/17/17 3:08	
Decachlorobiphenyl [2]	62.2	30-150						8/17/17 3:08	
Tetrachloro-m-xylene [1]	63.7	30-150						8/17/17 3:08	
Tetrachloro-m-xylene [2]	71.5	30-150						8/17/17 3:08	

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

Sample Description:

Work Order: 17H0199

Date Received: 8/3/2017

Field Sample #: WS-AOC12E-AS-63

Sampled: 8/3/2017 09:40

Sample ID: 17H0199-10

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	0.98	mg/Kg	10		SW-846 8082A	8/12/17	8/17/17 3:25	TG
Aroclor-1221 [1]	ND	0.98	mg/Kg	10		SW-846 8082A	8/12/17	8/17/17 3:25	TG
Aroclor-1232 [1]	ND	0.98	mg/Kg	10		SW-846 8082A	8/12/17	8/17/17 3:25	TG
Aroclor-1242 [1]	ND	0.98	mg/Kg	10		SW-846 8082A	8/12/17	8/17/17 3:25	TG
Aroclor-1248 [1]	ND	0.98	mg/Kg	10		SW-846 8082A	8/12/17	8/17/17 3:25	TG
Aroclor-1254 [1]	ND	0.98	mg/Kg	10		SW-846 8082A	8/12/17	8/17/17 3:25	TG
Aroclor-1260 [1]	ND	0.98	mg/Kg	10		SW-846 8082A	8/12/17	8/17/17 3:25	TG
Aroclor-1262 [1]	ND	0.98	mg/Kg	10		SW-846 8082A	8/12/17	8/17/17 3:25	TG
Aroclor-1268 [1]	ND	0.98	mg/Kg	10		SW-846 8082A	8/12/17	8/17/17 3:25	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	87.7	30-150						8/17/17 3:25	
Decachlorobiphenyl [2]	84.3	30-150						8/17/17 3:25	
Tetrachloro-m-xylene [1]	81.9	30-150						8/17/17 3:25	
Tetrachloro-m-xylene [2]	95.0	30-150						8/17/17 3:25	

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

Sample Description:

Work Order: 17H0199

Date Received: 8/3/2017

Field Sample #: WS-AOC12E-AS-62

Sampled: 8/3/2017 09:35

Sample ID: 17H0199-11

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	0.99	mg/Kg	10		SW-846 8082A	8/12/17	8/17/17 3:42	TG
Aroclor-1221 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/12/17	8/17/17 3:42	TG
Aroclor-1232 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/12/17	8/17/17 3:42	TG
Aroclor-1242 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/12/17	8/17/17 3:42	TG
Aroclor-1248 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/12/17	8/17/17 3:42	TG
Aroclor-1254 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/12/17	8/17/17 3:42	TG
Aroclor-1260 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/12/17	8/17/17 3:42	TG
Aroclor-1262 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/12/17	8/17/17 3:42	TG
Aroclor-1268 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/12/17	8/17/17 3:42	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	88.8	30-150							
Decachlorobiphenyl [2]	85.3	30-150							
Tetrachloro-m-xylene [1]	88.1	30-150							
Tetrachloro-m-xylene [2]	100	30-150							

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

Sample Description:

Work Order: 17H0199

Date Received: 8/3/2017

Field Sample #: WS-AOC7-AS-DUP7

Sampled: 8/3/2017 00:00

Sample ID: 17H0199-12

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	0.99	mg/Kg	10		SW-846 8082A	8/12/17	8/17/17 4:00	TG
Aroclor-1221 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/12/17	8/17/17 4:00	TG
Aroclor-1232 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/12/17	8/17/17 4:00	TG
Aroclor-1242 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/12/17	8/17/17 4:00	TG
Aroclor-1248 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/12/17	8/17/17 4:00	TG
Aroclor-1254 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/12/17	8/17/17 4:00	TG
Aroclor-1260 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/12/17	8/17/17 4:00	TG
Aroclor-1262 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/12/17	8/17/17 4:00	TG
Aroclor-1268 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/12/17	8/17/17 4:00	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	61.3	30-150						8/17/17 4:00	
Decachlorobiphenyl [2]	59.0	30-150						8/17/17 4:00	
Tetrachloro-m-xylene [1]	63.0	30-150						8/17/17 4:00	
Tetrachloro-m-xylene [2]	71.0	30-150						8/17/17 4:00	

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

Sample Description:

Work Order: 17H0199

Date Received: 8/3/2017

Field Sample #: WS-AOC13-AS-DUP6

Sampled: 8/3/2017 00:00

Sample ID: 17H0199-13

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	0.99	mg/Kg	10		SW-846 8082A	8/12/17	8/17/17 4:17	TG
Aroclor-1221 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/12/17	8/17/17 4:17	TG
Aroclor-1232 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/12/17	8/17/17 4:17	TG
Aroclor-1242 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/12/17	8/17/17 4:17	TG
Aroclor-1248 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/12/17	8/17/17 4:17	TG
Aroclor-1254 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/12/17	8/17/17 4:17	TG
Aroclor-1260 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/12/17	8/17/17 4:17	TG
Aroclor-1262 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/12/17	8/17/17 4:17	TG
Aroclor-1268 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/12/17	8/17/17 4:17	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	87.8	30-150						8/17/17 4:17	
Decachlorobiphenyl [2]	85.2	30-150						8/17/17 4:17	
Tetrachloro-m-xylene [1]	86.0	30-150						8/17/17 4:17	
Tetrachloro-m-xylene [2]	100	30-150						8/17/17 4:17	

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
17H0199-01 [WS-AOC13-AS-26]	B183940	2.04	10.0	08/12/17
17H0199-02 [WS-AOC7-AS-1]	B183940	2.02	10.0	08/12/17
17H0199-03 [WS-AOC13-AS-23]	B183940	2.03	10.0	08/12/17
17H0199-04 [WS-AOC13-AS-21]	B183940	2.04	10.0	08/12/17
17H0199-05 [WS-AOC13-AS-17]	B183940	2.03	10.0	08/12/17
17H0199-06 [WS-AOC13-AS-15]	B183940	2.02	10.0	08/12/17
17H0199-07 [WS-AOC13-AS-16]	B183940	2.01	10.0	08/12/17
17H0199-08 [WS-AOC13-AS-22]	B183940	2.03	10.0	08/12/17
17H0199-09 [WS-AOC12E-AS-64]	B183940	2.02	10.0	08/12/17
17H0199-10 [WS-AOC12E-AS-63]	B183940	2.04	10.0	08/12/17
17H0199-11 [WS-AOC12E-AS-62]	B183940	2.03	10.0	08/12/17
17H0199-12 [WS-AOC7-AS-DUP7]	B183940	2.02	10.0	08/12/17
17H0199-13 [WS-AOC13-AS-DUP6]	B183940	2.02	10.0	08/12/17

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QUALITY CONTROL
Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B183940 - SW-846 3540C
Blank (B183940-BLK1)

Prepared: 08/12/17 Analyzed: 08/15/17

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	1.13		mg/Kg	1.00		113	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.959		mg/Kg	1.00		95.9	30-150			
Surrogate: Tetrachloro-m-xylene	0.948		mg/Kg	1.00		94.8	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.918		mg/Kg	1.00		91.8	30-150			

LCS (B183940-BS1)

Prepared: 08/12/17 Analyzed: 08/15/17

Aroclor-1016	0.91	0.10	mg/Kg	1.00		90.8	40-140			
Aroclor-1016 [2C]	0.90	0.10	mg/Kg	1.00		90.3	40-140			
Aroclor-1260	0.91	0.10	mg/Kg	1.00		90.7	40-140			
Aroclor-1260 [2C]	0.82	0.10	mg/Kg	1.00		82.2	40-140			
Surrogate: Decachlorobiphenyl	1.17		mg/Kg	1.00		117	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.992		mg/Kg	1.00		99.2	30-150			
Surrogate: Tetrachloro-m-xylene	0.958		mg/Kg	1.00		95.8	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.930		mg/Kg	1.00		93.0	30-150			

LCS Dup (B183940-BSD1)

Prepared: 08/12/17 Analyzed: 08/15/17

Aroclor-1016	0.92	0.10	mg/Kg	1.00		92.2	40-140	1.50	30	
Aroclor-1016 [2C]	0.93	0.10	mg/Kg	1.00		93.1	40-140	2.97	30	
Aroclor-1260	0.89	0.10	mg/Kg	1.00		89.5	40-140	1.32	30	
Aroclor-1260 [2C]	0.82	0.10	mg/Kg	1.00		82.2	40-140	0.0170	30	
Surrogate: Decachlorobiphenyl	1.16		mg/Kg	1.00		116	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.976		mg/Kg	1.00		97.6	30-150			
Surrogate: Tetrachloro-m-xylene	0.982		mg/Kg	1.00		98.2	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.943		mg/Kg	1.00		94.3	30-150			

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QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B183940 - SW-846 3540C

Matrix Spike (B183940-MS1)

Source: 17H0199-05

Prepared: 08/12/17 Analyzed: 08/17/17

Aroclor-1016	1.2	0.99	mg/Kg	0.990	ND	125	40-140			
Aroclor-1016 [2C]	1.2	0.99	mg/Kg	0.990	ND	117	40-140			
Aroclor-1260	1.1	0.99	mg/Kg	0.990	ND	113	40-140			
Aroclor-1260 [2C]	1.2	0.99	mg/Kg	0.990	ND	117	40-140			
Surrogate: Decachlorobiphenyl	0.892		mg/Kg	0.990		90.0	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.879		mg/Kg	0.990		88.8	30-150			
Surrogate: Tetrachloro-m-xylene	0.692		mg/Kg	0.990		69.9	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	1.02		mg/Kg	0.990		103	30-150			

Matrix Spike Dup (B183940-MSD1)

Source: 17H0199-05

Prepared: 08/12/17 Analyzed: 08/17/17

Aroclor-1016	1.0	0.98	mg/Kg	0.976	ND	105	40-140	19.0	50	
Aroclor-1016 [2C]	1.1	0.98	mg/Kg	0.976	ND	112	40-140	6.14	50	
Aroclor-1260	1.0	0.98	mg/Kg	0.976	ND	107	40-140	7.16	50	
Aroclor-1260 [2C]	1.1	0.98	mg/Kg	0.976	ND	111	40-140	7.34	50	
Surrogate: Decachlorobiphenyl	0.822		mg/Kg	0.976		84.3	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.814		mg/Kg	0.976		83.5	30-150			
Surrogate: Tetrachloro-m-xylene	0.799		mg/Kg	0.976		81.9	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.956		mg/Kg	0.976		98.0	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.

CERTIFICATIONS
Certified Analyses included in this Report

Analyte	Certifications
<i>SW-846 8082A in Product/Solid</i>	
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 Public 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



Phone: 413-525-2332
Fax: 413-525-6405

Email: info@contestlabs.com

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 Sirotinak

Requested Turnaround Time:
7-Day ☒ 10-Day ☐
Other: ☐ 5-day ☐
Push-Approval Required:
1-Day ☐ 3-Day ☐
2-Day ☐ 4-Day ☐
Data Delivery:
Format: PDF ☒ EXCEL ☒
Other:
Enhanced Data Package Required: ☐
Email To: beeler@wseinc.com
Fax To #:

Con-Test Work Order #	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	Matrix Code	Conc Code
01	WS-AOC13-AS-26	8/3/17	10:50	X		0	U
02	WS-AOC13-AS-1	8/3/17	11:43				
03	WS-AOC13-AS-23	8/3/17	11:37				
04	WS-AOC13-AS-21	8/3/17	11:25				
05	WS-AOC13-AS-17	8/3/17	10:40				
06	WS-AOC13-AS-15	8/3/17	10:30				
07	WS-AOC13-AS-16	8/3/17	10:35				
08	WS-AOC13-AS-22	8/3/17	11:36				
09	WS-AOC13E-AS-64	8/3/17	9:45				
10	WS-AOC13E-AS-63	8/3/17	9:40				

Comments:

WS-AOC13-AS-17 (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) *Mark R. Patel* Date/Time: 8/5/17 14:58
Received by: (signature) *Will Sirotinak* Date/Time: 8-3-17 14:58
Relinquished by: (signature) *Will Sirotinak* Date/Time: 8-3-17 4:45
Received by: (signature) *Will Sirotinak* Date/Time: 8/3/17 10:45
Relinquished by: (signature) *Will Sirotinak* Date/Time: 8/3/17 10:45
Received by: (signature) *Will Sirotinak* Date/Time: 8/3/17 10:45

Program Information

- ☐ MCP Analytical Certification Form Required
☒ RCP Analytical 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

ANALYSIS REQUESTED

(Soxhlet) PCB

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)

Requested Turnaround Time 7-Day ☒ 10-Day ☐ Other: ☐ 5-Day ☐		Requested Turnaround Time 1-Day ☐ 3-Day ☐ 2-Day ☐ 4-Day ☐		Requested Turnaround Time Format: PDF ☒ EXCEL ☐ Other: ☐		Requested Turnaround Time Enhanced Data Package Required: ☐ Email To: beelem@wseinc.com Fax To #:	
Company Name: Weston & Sampson Engineers 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:		Client Sample ID / Description WS-AOC12E-AS-62 WS-AOC12-AS-DUP7 WS-AOC13-AS-DUP6		Beginning Date/Time 8/31/17 9:35 8/31/17 14:58 8/31/17 4:45		Ending Date/Time 9/13/17 9:35 9/13/17 14:58 9/13/17 4:45	
Con-Test Work Order# 11 12 13		Client Sample ID / Description WS-AOC12E-AS-62 WS-AOC12-AS-DUP7 WS-AOC13-AS-DUP6		Beginning Date/Time 8/31/17 9:35 8/31/17 14:58 8/31/17 4:45		Ending Date/Time 9/13/17 9:35 9/13/17 14:58 9/13/17 4:45	
Con-Test Work Order# 11 12 13		Client Sample ID / Description WS-AOC12E-AS-62 WS-AOC12-AS-DUP7 WS-AOC13-AS-DUP6		Beginning Date/Time 8/31/17 9:35 8/31/17 14:58 8/31/17 4:45		Ending Date/Time 9/13/17 9:35 9/13/17 14:58 9/13/17 4:45	
Con-Test Work Order# 11 12 13		Client Sample ID / Description WS-AOC12E-AS-62 WS-AOC12-AS-DUP7 WS-AOC13-AS-DUP6		Beginning Date/Time 8/31/17 9:35 8/31/17 14:58 8/31/17 4:45		Ending Date/Time 9/13/17 9:35 9/13/17 14:58 9/13/17 4:45	
Con-Test Work Order# 11 12 13		Client Sample ID / Description WS-AOC12E-AS-62 WS-AOC12-AS-DUP7 WS-AOC13-AS-DUP6		Beginning Date/Time 8/31/17 9:35 8/31/17 14:58 8/31/17 4:45		Ending Date/Time 9/13/17 9:35 9/13/17 14:58 9/13/17 4:45	
Con-Test Work Order# 11 12 13		Client Sample ID / Description WS-AOC12E-AS-62 WS-AOC12-AS-DUP7 WS-AOC13-AS-DUP6		Beginning Date/Time 8/31/17 9:35 8/31/17 14:58 8/31/17 4:45		Ending Date/Time 9/13/17 9:35 9/13/17 14:58 9/13/17 4:45	
Con-Test Work Order# 11 12 13		Client Sample ID / Description WS-AOC12E-AS-62 WS-AOC12-AS-DUP7 WS-AOC13-AS-DUP6		Beginning Date/Time 8/31/17 9:35 8/31/17 14:58 8/31/17 4:45		Ending Date/Time 9/13/17 9:35 9/13/17 14:58 9/13/17 4:45	
Con-Test Work Order# 11 12 13		Client Sample ID / Description WS-AOC12E-AS-62 WS-AOC12-AS-DUP7 WS-AOC13-AS-DUP6		Beginning Date/Time 8/31/17 9:35 8/31/17 14:58 8/31/17 4:45		Ending Date/Time 9/13/17 9:35 9/13/17 14:58 9/13/17 4:45	
Con-Test Work Order# 11 12 13		Client Sample ID / Description WS-AOC12E-AS-62 WS-AOC12-AS-DUP7 WS-AOC13-AS-DUP6		Beginning Date/Time 8/31/17 9:35 8/31/17 14:58 8/31/17 4:45		Ending Date/Time 9/13/17 9:35 9/13/17 14:58 9/13/17 4:45	
Con-Test Work Order# 11 12 13		Client Sample ID / Description WS-AOC12E-AS-62 WS-AOC12-AS-DUP7 WS-AOC13-AS-DUP6		Beginning Date/Time 8/31/17 9:35 8/31/17 14:58 8/31/17 4:45		Ending Date/Time 9/13/17 9:35 9/13/17 14:58 9/13/17 4:45	
Con-Test Work Order# 11 12 13		Client Sample ID / Description WS-AOC12E-AS-62 WS-AOC12-AS-DUP7 WS-AOC13-AS-DUP6		Beginning Date/Time 8/31/17 9:35 8/31/17 14:58 8/31/17 4:45		Ending Date/Time 9/13/17 9:35 9/13/17 14:58 9/13/17 4:45	
Con-Test Work Order# 11 12 13		Client Sample ID / Description WS-AOC12E-AS-62 WS-AOC12-AS-DUP7 WS-AOC13-AS-DUP6		Beginning Date/Time 8/31/17 9:35 8/31/17 14:58 8/31/17 4:45		Ending Date/Time 9/13/17 9:35 9/13/17 14:58 9/13/17 4:45	
Con-Test Work Order# 11 12 13		Client Sample ID / Description WS-AOC12E-AS-62 WS-AOC12-AS-DUP7 WS-AOC13-AS-DUP6		Beginning Date/Time 8/31/17 9:35 8/31/17 14:58 8/31/17 4:45		Ending Date/Time 9/13/17 9:35 9/13/17 14:58 9/13/17 4:45	
Con-Test Work Order# 11 12 13		Client Sample ID / Description WS-AOC12E-AS-62 WS-AOC12-AS-DUP7 WS-AOC13-AS-DUP6		Beginning Date/Time 8/31/17 9:35 8/31/17 14:58 8/31/17 4:45		Ending Date/Time 9/13/17 9:35 9/13/17 14:58 9/13/17 4:45	
Con-Test Work Order# 11 12 13							

39 Spruce St.
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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 Kempson

Received By BLF Date 8/3/17 Time 11:45

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 - 3.1°C, 4.7°C
By Blank # Actual Temp -

Was Custody Seal Intact? NA 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 Client T Analysis T Sampler Name T
pertinent Information? 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? 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
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:



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: 17H0199

Laboratory Sample ID(s):

17H0199-01 thru 17H0199-13

Sample Date(s):

08/03/2017

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:
Position: Project Manager
Printed Name: Lisa A. Worthington
Date: 08/17/17
Name of Laboratory: Con-Test Analytical Laboratory

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

August 21, 2017

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

Project Location: English Station
Client Job Number:
Project Number: 2170495
Laboratory Work Order Number: 17H0394

Enclosed are results of analyses for samples received by the laboratory on August 8, 2017. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink, appearing to read "James Georgantas", with a long, sweeping horizontal line extending to the right.

James M. Georgantas
Project Manager

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Chain of Custody/Sample Receipt

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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: 8/21/2017

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 2170495

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 17H0394

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

PROJECT LOCATION: English Station

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
WS-AOC14-SE-2	17H0394-01	Soil		CTDEP ETPH SM 2540G SW-846 8082A SW-846 8270D	
WS-AOC14-SE-3	17H0394-02	Soil		CTDEP ETPH SM 2540G SW-846 8082A SW-846 8270D	
WS-AOC14-SE-4	17H0394-03	Soil		CTDEP ETPH SM 2540G SW-846 8082A SW-846 8270D	
WS-AOC14-CO-3	17H0394-04	Concrete		SW-846 8082A	
Equipment blank - 32	17H0394-05	Equipment Blank Water		CTDEP ETPH SW-846 8082A SW-846 8270D	
Equipment blank - 33	17H0394-06	Equipment Blank Water		SW-846 8082A	

CASE NARRATIVE SUMMARY

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

For method 8270, only PAHs were requested and reported.

CTDEP ETPH**Qualifications:****S-01**

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

Analyte & Samples(s) Qualified:**o-Terphenyl**

17H0394-01[WS-AOC14-SE-2], 17H0394-03[WS-AOC14-SE-4]

SW-846 8082A**Qualifications:****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-1260 [2C]**

17H0394-05[Equipment blank - 32], 17H0394-06[Equipment blank - 33], B183981-BLK1, B183981-BS1, B183981-BSD1

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.

I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.



Lisa A. Worthington
Project Manager

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

Project Location: English Station

Sample Description:

Work Order: 17H0394

Date Received: 8/8/2017

Field Sample #: WS-AOC14-SE-2

Sampled: 8/8/2017 12:00

Sample ID: 17H0394-01

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	0.73	mg/Kg dry	1		SW-846 8270D	8/14/17	8/16/17 20:07	BGL
Acenaphthylene	ND	0.73	mg/Kg dry	1		SW-846 8270D	8/14/17	8/16/17 20:07	BGL
Anthracene	ND	0.73	mg/Kg dry	1		SW-846 8270D	8/14/17	8/16/17 20:07	BGL
Benzo(a)anthracene	1.4	0.73	mg/Kg dry	1		SW-846 8270D	8/14/17	8/16/17 20:07	BGL
Benzo(a)pyrene	2.0	0.73	mg/Kg dry	1		SW-846 8270D	8/14/17	8/16/17 20:07	BGL
Benzo(b)fluoranthene	2.6	0.73	mg/Kg dry	1		SW-846 8270D	8/14/17	8/16/17 20:07	BGL
Benzo(g,h,i)perylene	1.2	0.73	mg/Kg dry	1		SW-846 8270D	8/14/17	8/16/17 20:07	BGL
Benzo(k)fluoranthene	0.82	0.73	mg/Kg dry	1		SW-846 8270D	8/14/17	8/16/17 20:07	BGL
Chrysene	1.4	0.73	mg/Kg dry	1		SW-846 8270D	8/14/17	8/16/17 20:07	BGL
Dibenz(a,h)anthracene	ND	0.73	mg/Kg dry	1		SW-846 8270D	8/14/17	8/16/17 20:07	BGL
Fluoranthene	2.8	0.73	mg/Kg dry	1		SW-846 8270D	8/14/17	8/16/17 20:07	BGL
Fluorene	ND	0.73	mg/Kg dry	1		SW-846 8270D	8/14/17	8/16/17 20:07	BGL
Indeno(1,2,3-cd)pyrene	ND	0.73	mg/Kg dry	1		SW-846 8270D	8/14/17	8/16/17 20:07	BGL
2-Methylnaphthalene	ND	0.73	mg/Kg dry	1		SW-846 8270D	8/14/17	8/16/17 20:07	BGL
Naphthalene	ND	0.73	mg/Kg dry	1		SW-846 8270D	8/14/17	8/16/17 20:07	BGL
Phenanthrene	1.4	0.73	mg/Kg dry	1		SW-846 8270D	8/14/17	8/16/17 20:07	BGL
Pyrene	4.1	0.73	mg/Kg dry	1		SW-846 8270D	8/14/17	8/16/17 20:07	BGL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Nitrobenzene-d5	94.8	30-130							
2-Fluorobiphenyl	72.2	30-130							
p-Terphenyl-d14	85.8	30-130							

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Project Location: English Station

Sample Description:

Work Order: 17H0394

Date Received: 8/8/2017

Field Sample #: WS-AOC14-SE-2

Sampled: 8/8/2017 12:00

Sample ID: 17H0394-01

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	0.42	mg/Kg dry	5		SW-846 8082A	8/14/17	8/16/17 19:27	KAL
Aroclor-1221 [1]	ND	0.42	mg/Kg dry	5		SW-846 8082A	8/14/17	8/16/17 19:27	KAL
Aroclor-1232 [1]	ND	0.42	mg/Kg dry	5		SW-846 8082A	8/14/17	8/16/17 19:27	KAL
Aroclor-1242 [1]	ND	0.42	mg/Kg dry	5		SW-846 8082A	8/14/17	8/16/17 19:27	KAL
Aroclor-1248 [2]	0.96	0.42	mg/Kg dry	5		SW-846 8082A	8/14/17	8/16/17 19:27	KAL
Aroclor-1254 [2]	0.97	0.42	mg/Kg dry	5		SW-846 8082A	8/14/17	8/16/17 19:27	KAL
Aroclor-1260 [2]	0.64	0.42	mg/Kg dry	5		SW-846 8082A	8/14/17	8/16/17 19:27	KAL
Aroclor-1262 [1]	ND	0.42	mg/Kg dry	5		SW-846 8082A	8/14/17	8/16/17 19:27	KAL
Aroclor-1268 [1]	ND	0.42	mg/Kg dry	5		SW-846 8082A	8/14/17	8/16/17 19:27	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	81.2	30-150							
Decachlorobiphenyl [2]	91.1	30-150							
Tetrachloro-m-xylene [1]	92.0	30-150							
Tetrachloro-m-xylene [2]	99.1	30-150							

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Project Location: English Station

Sample Description:

Work Order: 17H0394

Date Received: 8/8/2017

Field Sample #: WS-AOC14-SE-2

Sampled: 8/8/2017 12:00

Sample ID: 17H0394-01

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	3000	1100	mg/Kg dry	25		CTDEP ETPH	8/14/17	8/17/17 9:45	SCS
Surrogates	% Recovery		Recovery Limits		Flag/Qual				
o-Terphenyl	*		50-150		S-01			8/17/17 9:45	

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Project Location: English Station

Sample Description:

Work Order: 17H0394

Date Received: 8/8/2017

Field Sample #: WS-AOC14-SE-2

Sampled: 8/8/2017 12:00

Sample ID: 17H0394-01

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	23.4		% Wt	1		SM 2540G	8/10/17	8/11/17 6:45	MRL

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Project Location: English Station

Sample Description:

Work Order: 17H0394

Date Received: 8/8/2017

Field Sample #: WS-AOC14-SE-3

Sampled: 8/8/2017 10:00

Sample ID: 17H0394-02

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	0.65	mg/Kg dry	1		SW-846 8270D	8/14/17	8/16/17 20:34	BGL
Acenaphthylene	ND	0.65	mg/Kg dry	1		SW-846 8270D	8/14/17	8/16/17 20:34	BGL
Anthracene	ND	0.65	mg/Kg dry	1		SW-846 8270D	8/14/17	8/16/17 20:34	BGL
Benzo(a)anthracene	2.1	0.65	mg/Kg dry	1		SW-846 8270D	8/14/17	8/16/17 20:34	BGL
Benzo(a)pyrene	2.7	0.65	mg/Kg dry	1		SW-846 8270D	8/14/17	8/16/17 20:34	BGL
Benzo(b)fluoranthene	3.8	0.65	mg/Kg dry	1		SW-846 8270D	8/14/17	8/16/17 20:34	BGL
Benzo(g,h,i)perylene	1.7	0.65	mg/Kg dry	1		SW-846 8270D	8/14/17	8/16/17 20:34	BGL
Benzo(k)fluoranthene	1.3	0.65	mg/Kg dry	1		SW-846 8270D	8/14/17	8/16/17 20:34	BGL
Chrysene	2.2	0.65	mg/Kg dry	1		SW-846 8270D	8/14/17	8/16/17 20:34	BGL
Dibenz(a,h)anthracene	ND	0.65	mg/Kg dry	1		SW-846 8270D	8/14/17	8/16/17 20:34	BGL
Fluoranthene	3.6	0.65	mg/Kg dry	1		SW-846 8270D	8/14/17	8/16/17 20:34	BGL
Fluorene	ND	0.65	mg/Kg dry	1		SW-846 8270D	8/14/17	8/16/17 20:34	BGL
Indeno(1,2,3-cd)pyrene	1.7	0.65	mg/Kg dry	1		SW-846 8270D	8/14/17	8/16/17 20:34	BGL
2-Methylnaphthalene	ND	0.65	mg/Kg dry	1		SW-846 8270D	8/14/17	8/16/17 20:34	BGL
Naphthalene	ND	0.65	mg/Kg dry	1		SW-846 8270D	8/14/17	8/16/17 20:34	BGL
Phenanthrene	1.8	0.65	mg/Kg dry	1		SW-846 8270D	8/14/17	8/16/17 20:34	BGL
Pyrene	5.0	0.65	mg/Kg dry	1		SW-846 8270D	8/14/17	8/16/17 20:34	BGL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Nitrobenzene-d5	76.8	30-130							
2-Fluorobiphenyl	72.3	30-130							
p-Terphenyl-d14	85.6	30-130							

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Project Location: English Station

Sample Description:

Work Order: 17H0394

Date Received: 8/8/2017

Field Sample #: WS-AOC14-SE-3

Sampled: 8/8/2017 10:00

Sample ID: 17H0394-02

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	0.38	mg/Kg dry	5		SW-846 8082A	8/14/17	8/16/17 19:40	KAL
Aroclor-1221 [1]	ND	0.38	mg/Kg dry	5		SW-846 8082A	8/14/17	8/16/17 19:40	KAL
Aroclor-1232 [1]	ND	0.38	mg/Kg dry	5		SW-846 8082A	8/14/17	8/16/17 19:40	KAL
Aroclor-1242 [1]	ND	0.38	mg/Kg dry	5		SW-846 8082A	8/14/17	8/16/17 19:40	KAL
Aroclor-1248 [2]	1.9	0.38	mg/Kg dry	5		SW-846 8082A	8/14/17	8/16/17 19:40	KAL
Aroclor-1254 [2]	1.7	0.38	mg/Kg dry	5		SW-846 8082A	8/14/17	8/16/17 19:40	KAL
Aroclor-1260 [2]	0.80	0.38	mg/Kg dry	5		SW-846 8082A	8/14/17	8/16/17 19:40	KAL
Aroclor-1262 [1]	ND	0.38	mg/Kg dry	5		SW-846 8082A	8/14/17	8/16/17 19:40	KAL
Aroclor-1268 [1]	ND	0.38	mg/Kg dry	5		SW-846 8082A	8/14/17	8/16/17 19:40	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	81.5	30-150							
Decachlorobiphenyl [2]	94.6	30-150							
Tetrachloro-m-xylene [1]	91.0	30-150							
Tetrachloro-m-xylene [2]	96.4	30-150							

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Project Location: English Station

Sample Description:

Work Order: 17H0394

Date Received: 8/8/2017

Field Sample #: WS-AOC14-SE-3

Sampled: 8/8/2017 10:00

Sample ID: 17H0394-02

Sample Matrix: Soil

Petrolium Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	3200	380	mg/Kg dry	10		CTDEP ETPH	8/14/17	8/17/17 8:52	SCS
Surrogates	% Recovery		Recovery Limits		Flag/Qual				
o-Terphenyl	73.5		50-150				8/17/17 8:52		

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Project Location: English Station

Sample Description:

Work Order: 17H0394

Date Received: 8/8/2017

Field Sample #: WS-AOC14-SE-3

Sampled: 8/8/2017 10:00

Sample ID: 17H0394-02

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	26.0		% Wt	1		SM 2540G	8/10/17	8/11/17 6:45	MRL

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Project Location: English Station

Sample Description:

Work Order: 17H0394

Date Received: 8/8/2017

Field Sample #: WS-AOC14-SE-4

Sampled: 8/8/2017 14:00

Sample ID: 17H0394-03

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	0.68	mg/Kg dry	1		SW-846 8270D	8/14/17	8/16/17 21:00	BGL
Acenaphthylene	ND	0.68	mg/Kg dry	1		SW-846 8270D	8/14/17	8/16/17 21:00	BGL
Anthracene	ND	0.68	mg/Kg dry	1		SW-846 8270D	8/14/17	8/16/17 21:00	BGL
Benzo(a)anthracene	1.4	0.68	mg/Kg dry	1		SW-846 8270D	8/14/17	8/16/17 21:00	BGL
Benzo(a)pyrene	1.8	0.68	mg/Kg dry	1		SW-846 8270D	8/14/17	8/16/17 21:00	BGL
Benzo(b)fluoranthene	2.4	0.68	mg/Kg dry	1		SW-846 8270D	8/14/17	8/16/17 21:00	BGL
Benzo(g,h,i)perylene	1.2	0.68	mg/Kg dry	1		SW-846 8270D	8/14/17	8/16/17 21:00	BGL
Benzo(k)fluoranthene	0.81	0.68	mg/Kg dry	1		SW-846 8270D	8/14/17	8/16/17 21:00	BGL
Chrysene	1.3	0.68	mg/Kg dry	1		SW-846 8270D	8/14/17	8/16/17 21:00	BGL
Dibenz(a,h)anthracene	ND	0.68	mg/Kg dry	1		SW-846 8270D	8/14/17	8/16/17 21:00	BGL
Fluoranthene	2.1	0.68	mg/Kg dry	1		SW-846 8270D	8/14/17	8/16/17 21:00	BGL
Fluorene	ND	0.68	mg/Kg dry	1		SW-846 8270D	8/14/17	8/16/17 21:00	BGL
Indeno(1,2,3-cd)pyrene	1.2	0.68	mg/Kg dry	1		SW-846 8270D	8/14/17	8/16/17 21:00	BGL
2-Methylnaphthalene	ND	0.68	mg/Kg dry	1		SW-846 8270D	8/14/17	8/16/17 21:00	BGL
Naphthalene	ND	0.68	mg/Kg dry	1		SW-846 8270D	8/14/17	8/16/17 21:00	BGL
Phenanthrene	1.0	0.68	mg/Kg dry	1		SW-846 8270D	8/14/17	8/16/17 21:00	BGL
Pyrene	3.5	0.68	mg/Kg dry	1		SW-846 8270D	8/14/17	8/16/17 21:00	BGL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Nitrobenzene-d5	70.5	30-130							
2-Fluorobiphenyl	65.7	30-130							
p-Terphenyl-d14	83.5	30-130							

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Project Location: English Station

Sample Description:

Work Order: 17H0394

Date Received: 8/8/2017

Field Sample #: WS-AOC14-SE-4

Sampled: 8/8/2017 14:00

Sample ID: 17H0394-03

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	0.40	mg/Kg dry	5		SW-846 8082A	8/14/17	8/16/17 19:53	KAL
Aroclor-1221 [1]	ND	0.40	mg/Kg dry	5		SW-846 8082A	8/14/17	8/16/17 19:53	KAL
Aroclor-1232 [1]	ND	0.40	mg/Kg dry	5		SW-846 8082A	8/14/17	8/16/17 19:53	KAL
Aroclor-1242 [1]	ND	0.40	mg/Kg dry	5		SW-846 8082A	8/14/17	8/16/17 19:53	KAL
Aroclor-1248 [2]	0.93	0.40	mg/Kg dry	5		SW-846 8082A	8/14/17	8/16/17 19:53	KAL
Aroclor-1254 [2]	1.0	0.40	mg/Kg dry	5		SW-846 8082A	8/14/17	8/16/17 19:53	KAL
Aroclor-1260 [2]	0.70	0.40	mg/Kg dry	5		SW-846 8082A	8/14/17	8/16/17 19:53	KAL
Aroclor-1262 [1]	ND	0.40	mg/Kg dry	5		SW-846 8082A	8/14/17	8/16/17 19:53	KAL
Aroclor-1268 [1]	ND	0.40	mg/Kg dry	5		SW-846 8082A	8/14/17	8/16/17 19:53	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	73.2	30-150							
Decachlorobiphenyl [2]	84.2	30-150							
Tetrachloro-m-xylene [1]	84.2	30-150							
Tetrachloro-m-xylene [2]	91.3	30-150							

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

Project Location: English Station

Sample Description:

Work Order: 17H0394

Date Received: 8/8/2017

Field Sample #: WS-AOC14-SE-4

Sampled: 8/8/2017 14:00

Sample ID: 17H0394-03

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	5700	2000	mg/Kg dry	50		CTDEP ETPH	8/14/17	8/17/17 10:14	SCS
Surrogates	% Recovery		Recovery Limits		Flag/Qual				
o-Terphenyl	*		50-150		S-01		8/17/17 10:14		

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

Project Location: English Station

Sample Description:

Work Order: 17H0394

Date Received: 8/8/2017

Field Sample #: WS-AOC14-SE-4

Sampled: 8/8/2017 14:00

Sample ID: 17H0394-03

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	25.1		% Wt	1		SM 2540G	8/10/17	8/11/17 6:45	MRL

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

Project Location: English Station

Sample Description:

Work Order: 17H0394

Date Received: 8/8/2017

Field Sample #: WS-AOC14-CO-3

Sampled: 8/8/2017 10:15

Sample ID: 17H0394-04

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	0.096	mg/Kg	1		SW-846 8082A	8/15/17	8/17/17 13:12	KAL
Aroclor-1221 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	8/15/17	8/17/17 13:12	KAL
Aroclor-1232 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	8/15/17	8/17/17 13:12	KAL
Aroclor-1242 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	8/15/17	8/17/17 13:12	KAL
Aroclor-1248 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	8/15/17	8/17/17 13:12	KAL
Aroclor-1254 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	8/15/17	8/17/17 13:12	KAL
Aroclor-1260 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	8/15/17	8/17/17 13:12	KAL
Aroclor-1262 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	8/15/17	8/17/17 13:12	KAL
Aroclor-1268 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	8/15/17	8/17/17 13:12	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	110	30-150							
Decachlorobiphenyl [2]	106	30-150							
Tetrachloro-m-xylene [1]	93.8	30-150							
Tetrachloro-m-xylene [2]	102	30-150							

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

Project Location: English Station

Sample Description:

Work Order: 17H0394

Date Received: 8/8/2017

Field Sample #: Equipment blank - 32

Sampled: 8/8/2017 14:30

Sample ID: 17H0394-05

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	8/14/17	8/17/17 14:35	CJM
Acenaphthylene (SIM)	ND	0.30	µg/L	1		SW-846 8270D	8/14/17	8/17/17 14:35	CJM
Anthracene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	8/14/17	8/17/17 14:35	CJM
Benzo(a)anthracene (SIM)	ND	0.050	µg/L	1		SW-846 8270D	8/14/17	8/17/17 14:35	CJM
Benzo(a)pyrene (SIM)	ND	0.10	µg/L	1		SW-846 8270D	8/14/17	8/17/17 14:35	CJM
Benzo(b)fluoranthene (SIM)	ND	0.050	µg/L	1		SW-846 8270D	8/14/17	8/17/17 14:35	CJM
Benzo(g,h,i)perylene (SIM)	ND	0.50	µg/L	1		SW-846 8270D	8/14/17	8/17/17 14:35	CJM
Benzo(k)fluoranthene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	8/14/17	8/17/17 14:35	CJM
Chrysene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	8/14/17	8/17/17 14:35	CJM
Dibenz(a,h)anthracene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	8/14/17	8/17/17 14:35	CJM
Fluoranthene (SIM)	ND	0.50	µg/L	1		SW-846 8270D	8/14/17	8/17/17 14:35	CJM
Fluorene (SIM)	ND	1.0	µg/L	1		SW-846 8270D	8/14/17	8/17/17 14:35	CJM
Indeno(1,2,3-cd)pyrene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	8/14/17	8/17/17 14:35	CJM
2-Methylnaphthalene (SIM)	ND	1.0	µg/L	1		SW-846 8270D	8/14/17	8/17/17 14:35	CJM
Naphthalene (SIM)	ND	1.0	µg/L	1		SW-846 8270D	8/14/17	8/17/17 14:35	CJM
Phenanthrene (SIM)	ND	0.050	µg/L	1		SW-846 8270D	8/14/17	8/17/17 14:35	CJM
Pyrene (SIM)	ND	1.0	µg/L	1		SW-846 8270D	8/14/17	8/17/17 14:35	CJM
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Nitrobenzene-d5	85.5	30-130							
2-Fluorobiphenyl	84.2	30-130							
p-Terphenyl-d14	74.8	30-130							

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

Project Location: English Station

Sample Description:

Work Order: 17H0394

Date Received: 8/8/2017

Field Sample #: Equipment blank - 32

Sampled: 8/8/2017 14:30

Sample ID: 17H0394-05

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	8/14/17	8/18/17 16:18	KAL
Aroclor-1221 [1]	ND	0.20	µg/L	1		SW-846 8082A	8/14/17	8/18/17 16:18	KAL
Aroclor-1232 [1]	ND	0.20	µg/L	1		SW-846 8082A	8/14/17	8/18/17 16:18	KAL
Aroclor-1242 [1]	ND	0.20	µg/L	1		SW-846 8082A	8/14/17	8/18/17 16:18	KAL
Aroclor-1248 [1]	ND	0.20	µg/L	1		SW-846 8082A	8/14/17	8/18/17 16:18	KAL
Aroclor-1254 [1]	ND	0.20	µg/L	1		SW-846 8082A	8/14/17	8/18/17 16:18	KAL
Aroclor-1260 [1]	ND	0.20	µg/L	1		SW-846 8082A	8/14/17	8/18/17 16:18	KAL
Aroclor-1262 [1]	ND	0.20	µg/L	1		SW-846 8082A	8/14/17	8/18/17 16:18	KAL
Aroclor-1268 [1]	ND	0.20	µg/L	1		SW-846 8082A	8/14/17	8/18/17 16:18	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	78.4	30-150						8/18/17 16:18	
Decachlorobiphenyl [2]	85.9	30-150						8/18/17 16:18	
Tetrachloro-m-xylene [1]	81.6	30-150						8/18/17 16:18	
Tetrachloro-m-xylene [2]	87.5	30-150						8/18/17 16:18	

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

Project Location: English Station

Sample Description:

Work Order: 17H0394

Date Received: 8/8/2017

Field Sample #: Equipment blank - 32

Sampled: 8/8/2017 14:30

Sample ID: 17H0394-05

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	8/15/17	8/17/17 14:07	SCS
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
o-Terphenyl	84.3	50-150						8/17/17 14:07	

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

Project Location: English Station

Sample Description:

Work Order: 17H0394

Date Received: 8/8/2017

Field Sample #: Equipment blank - 33

Sampled: 8/8/2017 14:45

Sample ID: 17H0394-06

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	8/14/17	8/18/17 16:31	KAL
Aroclor-1221 [1]	ND	0.20	µg/L	1		SW-846 8082A	8/14/17	8/18/17 16:31	KAL
Aroclor-1232 [1]	ND	0.20	µg/L	1		SW-846 8082A	8/14/17	8/18/17 16:31	KAL
Aroclor-1242 [1]	ND	0.20	µg/L	1		SW-846 8082A	8/14/17	8/18/17 16:31	KAL
Aroclor-1248 [1]	ND	0.20	µg/L	1		SW-846 8082A	8/14/17	8/18/17 16:31	KAL
Aroclor-1254 [1]	ND	0.20	µg/L	1		SW-846 8082A	8/14/17	8/18/17 16:31	KAL
Aroclor-1260 [1]	ND	0.20	µg/L	1		SW-846 8082A	8/14/17	8/18/17 16:31	KAL
Aroclor-1262 [1]	ND	0.20	µg/L	1		SW-846 8082A	8/14/17	8/18/17 16:31	KAL
Aroclor-1268 [1]	ND	0.20	µg/L	1		SW-846 8082A	8/14/17	8/18/17 16:31	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	82.7	30-150							
Decachlorobiphenyl [2]	92.1	30-150							
Tetrachloro-m-xylene [1]	81.2	30-150							
Tetrachloro-m-xylene [2]	88.5	30-150							

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
17H0394-01 [WS-AOC14-SE-2]	B184016	30.0	1.00	08/14/17
17H0394-02 [WS-AOC14-SE-3]	B184016	30.0	1.00	08/14/17
17H0394-03 [WS-AOC14-SE-4]	B184016	30.0	1.00	08/14/17

Prep Method: SW-846 3510C-CTDEP ETPH

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
17H0394-05 [Equipment blank - 32]	B184126	1000	1.00	08/15/17

Prep Method: % Solids-SM 2540G

Lab Number [Field ID]	Batch	Date
17H0394-01 [WS-AOC14-SE-2]	B183777	08/10/17
17H0394-02 [WS-AOC14-SE-3]	B183777	08/10/17
17H0394-03 [WS-AOC14-SE-4]	B183777	08/10/17

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17H0394-04 [WS-AOC14-CO-3]	B184156	2.09	10.0	08/15/17

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17H0394-01 [WS-AOC14-SE-2]	B184053	10.2	10.0	08/14/17
17H0394-02 [WS-AOC14-SE-3]	B184053	10.0	10.0	08/14/17
17H0394-03 [WS-AOC14-SE-4]	B184053	10.0	10.0	08/14/17

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

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
17H0394-05 [Equipment blank - 32]	B183981	1000	10.0	08/14/17
17H0394-06 [Equipment blank - 33]	B183981	1000	10.0	08/14/17

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17H0394-01 [WS-AOC14-SE-2]	B184017	30.0	1.00	08/14/17
17H0394-02 [WS-AOC14-SE-3]	B184017	30.0	1.00	08/14/17
17H0394-03 [WS-AOC14-SE-4]	B184017	30.0	1.00	08/14/17

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

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
17H0394-05 [Equipment blank - 32]	B184392	1000	1.00	08/14/17

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

QUALITY CONTROL
Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B184017 - SW-846 3546
Blank (B184017-BLK1)

Prepared: 08/14/17 Analyzed: 08/15/17

Acenaphthene	ND	0.17	mg/Kg wet							
Acenaphthylene	ND	0.17	mg/Kg wet							
Anthracene	ND	0.17	mg/Kg wet							
Benzo(a)anthracene	ND	0.17	mg/Kg wet							
Benzo(a)pyrene	ND	0.17	mg/Kg wet							
Benzo(b)fluoranthene	ND	0.17	mg/Kg wet							
Benzo(g,h,i)perylene	ND	0.17	mg/Kg wet							
Benzo(k)fluoranthene	ND	0.17	mg/Kg wet							
Chrysene	ND	0.17	mg/Kg wet							
Dibenz(a,h)anthracene	ND	0.17	mg/Kg wet							
Fluoranthene	ND	0.17	mg/Kg wet							
Fluorene	ND	0.17	mg/Kg wet							
Indeno(1,2,3-cd)pyrene	ND	0.17	mg/Kg wet							
2-Methylnaphthalene	ND	0.17	mg/Kg wet							
Naphthalene	ND	0.17	mg/Kg wet							
Phenanthrene	ND	0.17	mg/Kg wet							
Pyrene	ND	0.17	mg/Kg wet							
Surrogate: Nitrobenzene-d5	2.42		mg/Kg wet	3.33		72.5	30-130			
Surrogate: 2-Fluorobiphenyl	2.40		mg/Kg wet	3.33		72.1	30-130			
Surrogate: p-Terphenyl-d14	3.08		mg/Kg wet	3.33		92.5	30-130			

LCS (B184017-BS1)

Prepared: 08/14/17 Analyzed: 08/15/17

Acenaphthene	1.19	0.17	mg/Kg wet	1.67		71.4	40-140			
Acenaphthylene	1.17	0.17	mg/Kg wet	1.67		70.1	40-140			
Anthracene	1.20	0.17	mg/Kg wet	1.67		71.7	40-140			
Benzo(a)anthracene	1.25	0.17	mg/Kg wet	1.67		75.1	40-140			
Benzo(a)pyrene	1.28	0.17	mg/Kg wet	1.67		76.9	40-140			
Benzo(b)fluoranthene	1.11	0.17	mg/Kg wet	1.67		66.5	40-140			
Benzo(g,h,i)perylene	1.06	0.17	mg/Kg wet	1.67		63.9	40-140			
Benzo(k)fluoranthene	1.20	0.17	mg/Kg wet	1.67		72.0	40-140			
Chrysene	1.24	0.17	mg/Kg wet	1.67		74.5	40-140			
Dibenz(a,h)anthracene	1.11	0.17	mg/Kg wet	1.67		66.4	40-140			
Fluoranthene	1.26	0.17	mg/Kg wet	1.67		75.6	40-140			
Fluorene	1.20	0.17	mg/Kg wet	1.67		72.0	40-140			
Indeno(1,2,3-cd)pyrene	1.09	0.17	mg/Kg wet	1.67		65.5	40-140			
2-Methylnaphthalene	1.20	0.17	mg/Kg wet	1.67		72.3	40-140			
Naphthalene	1.17	0.17	mg/Kg wet	1.67		70.5	40-140			
Phenanthrene	1.22	0.17	mg/Kg wet	1.67		73.0	40-140			
Pyrene	1.19	0.17	mg/Kg wet	1.67		71.3	40-140			
Surrogate: Nitrobenzene-d5	3.01		mg/Kg wet	3.33		90.4	30-130			
Surrogate: 2-Fluorobiphenyl	2.86		mg/Kg wet	3.33		85.8	30-130			
Surrogate: p-Terphenyl-d14	2.94		mg/Kg wet	3.33		88.1	30-130			

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

QUALITY CONTROL
Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B184017 - SW-846 3546
LCS Dup (B184017-BS1)

Prepared: 08/14/17 Analyzed: 08/15/17

Acenaphthene	1.23	0.17	mg/Kg wet	1.67		73.7	40-140	3.06	30	
Acenaphthylene	1.22	0.17	mg/Kg wet	1.67		73.5	40-140	4.68	30	
Anthracene	1.24	0.17	mg/Kg wet	1.67		74.6	40-140	3.99	30	
Benzo(a)anthracene	1.31	0.17	mg/Kg wet	1.67		78.4	40-140	4.35	30	
Benzo(a)pyrene	1.29	0.17	mg/Kg wet	1.67		77.2	40-140	0.389	30	
Benzo(b)fluoranthene	1.14	0.17	mg/Kg wet	1.67		68.2	40-140	2.61	30	
Benzo(g,h,i)perylene	1.28	0.17	mg/Kg wet	1.67		76.6	40-140	18.0	30	
Benzo(k)fluoranthene	1.22	0.17	mg/Kg wet	1.67		72.9	40-140	1.24	30	
Chrysene	1.27	0.17	mg/Kg wet	1.67		76.2	40-140	2.28	30	
Dibenz(a,h)anthracene	1.26	0.17	mg/Kg wet	1.67		75.6	40-140	12.9	30	
Fluoranthene	1.23	0.17	mg/Kg wet	1.67		73.8	40-140	2.46	30	
Fluorene	1.26	0.17	mg/Kg wet	1.67		75.4	40-140	4.59	30	
Indeno(1,2,3-cd)pyrene	1.27	0.17	mg/Kg wet	1.67		76.5	40-140	15.5	30	
2-Methylnaphthalene	1.26	0.17	mg/Kg wet	1.67		75.9	40-140	4.83	30	
Naphthalene	1.21	0.17	mg/Kg wet	1.67		72.4	40-140	2.69	30	
Phenanthrene	1.27	0.17	mg/Kg wet	1.67		76.1	40-140	4.18	30	
Pyrene	1.34	0.17	mg/Kg wet	1.67		80.3	40-140	11.8	30	
Surrogate: Nitrobenzene-d5	3.09		mg/Kg wet	3.33		92.6	30-130			
Surrogate: 2-Fluorobiphenyl	3.07		mg/Kg wet	3.33		92.0	30-130			
Surrogate: p-Terphenyl-d14	3.33		mg/Kg wet	3.33		99.9	30-130			

Batch B184392 - SW-846 3510C
Blank (B184392-BLK1)

Prepared: 08/14/17 Analyzed: 08/17/17

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	75.9		µg/L	100		75.9	30-130			
Surrogate: 2-Fluorobiphenyl	73.4		µg/L	100		73.4	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
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Batch B184392 - SW-846 3510C

LCS (B184392-BS1)

Prepared: 08/14/17 Analyzed: 08/17/17

Acenaphthene (SIM)	43.0	7.5	µg/L	50.0		85.9	40-140			
Acenaphthylene (SIM)	42.0	7.5	µg/L	50.0		84.0	40-140			
Anthracene (SIM)	45.6	5.0	µg/L	50.0		91.3	40-140			
Benzo(a)anthracene (SIM)	44.2	1.2	µg/L	50.0		88.4	40-140			
Benzo(a)pyrene (SIM)	47.4	2.5	µg/L	50.0		94.8	40-140			
Benzo(b)fluoranthene (SIM)	47.5	1.2	µg/L	50.0		95.0	40-140			
Benzo(g,h,i)perylene (SIM)	45.4	12	µg/L	50.0		90.8	40-140			
Benzo(k)fluoranthene (SIM)	46.8	5.0	µg/L	50.0		93.6	40-140			
Chrysene (SIM)	44.5	5.0	µg/L	50.0		89.0	40-140			
Dibenz(a,h)anthracene (SIM)	45.5	5.0	µg/L	50.0		91.0	40-140			
Fluoranthene (SIM)	45.3	12	µg/L	50.0		90.6	40-140			
Fluorene (SIM)	44.0	25	µg/L	50.0		88.1	40-140			
Indeno(1,2,3-cd)pyrene (SIM)	45.2	5.0	µg/L	50.0		90.4	40-140			
2-Methylnaphthalene (SIM)	40.9	25	µg/L	50.0		81.8	40-140			
Naphthalene (SIM)	39.6	25	µg/L	50.0		79.2	40-140			
Phenanthrene (SIM)	44.8	1.2	µg/L	50.0		89.6	40-140			
Pyrene (SIM)	45.1	25	µg/L	50.0		90.2	40-140			
Surrogate: Nitrobenzene-d5	90.8		µg/L	100		90.8	30-130			
Surrogate: 2-Fluorobiphenyl	98.4		µg/L	100		98.4	30-130			
Surrogate: p-Terphenyl-d14	85.4		µg/L	100		85.4	30-130			

LCS Dup (B184392-BS1)

Prepared: 08/14/17 Analyzed: 08/17/17

Acenaphthene (SIM)	46.2	7.5	µg/L	50.0		92.4	40-140	7.29	20	
Acenaphthylene (SIM)	45.3	7.5	µg/L	50.0		90.6	40-140	7.45	20	
Anthracene (SIM)	48.8	5.0	µg/L	50.0		97.6	40-140	6.72	20	
Benzo(a)anthracene (SIM)	47.6	1.2	µg/L	50.0		95.2	40-140	7.35	20	
Benzo(a)pyrene (SIM)	51.8	2.5	µg/L	50.0		104	40-140	8.97	20	
Benzo(b)fluoranthene (SIM)	51.6	1.2	µg/L	50.0		103	40-140	8.23	20	
Benzo(g,h,i)perylene (SIM)	49.6	12	µg/L	50.0		99.3	40-140	9.00	20	
Benzo(k)fluoranthene (SIM)	51.4	5.0	µg/L	50.0		103	40-140	9.41	20	
Chrysene (SIM)	47.8	5.0	µg/L	50.0		95.7	40-140	7.31	20	
Dibenz(a,h)anthracene (SIM)	49.8	5.0	µg/L	50.0		99.6	40-140	9.02	20	
Fluoranthene (SIM)	48.4	12	µg/L	50.0		96.9	40-140	6.78	20	
Fluorene (SIM)	47.2	25	µg/L	50.0		94.4	40-140	6.96	20	
Indeno(1,2,3-cd)pyrene (SIM)	49.5	5.0	µg/L	50.0		99.0	40-140	9.03	20	‡
2-Methylnaphthalene (SIM)	43.8	25	µg/L	50.0		87.6	40-140	6.90	20	
Naphthalene (SIM)	42.2	25	µg/L	50.0		84.4	40-140	6.36	20	
Phenanthrene (SIM)	48.1	1.2	µg/L	50.0		96.2	40-140	7.16	20	
Pyrene (SIM)	48.6	25	µg/L	50.0		97.2	40-140	7.58	20	
Surrogate: Nitrobenzene-d5	95.8		µg/L	100		95.8	30-130			
Surrogate: 2-Fluorobiphenyl	108		µg/L	100		108	30-130			
Surrogate: p-Terphenyl-d14	88.5		µg/L	100		88.5	30-130			

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QUALITY CONTROL

Polychlorinated Biphenyls By GC/ECD - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B183981 - SW-846 3510C										
Blank (B183981-BLK1)										
Prepared: 08/14/17 Analyzed: 08/18/17										
Aroclor-1016	ND	0.040	µg/L							
Aroclor-1016 [2C]	ND	0.040	µg/L							
Aroclor-1221	ND	0.040	µg/L							
Aroclor-1221 [2C]	ND	0.040	µg/L							
Aroclor-1232	ND	0.040	µg/L							
Aroclor-1232 [2C]	ND	0.040	µg/L							
Aroclor-1242	ND	0.040	µg/L							
Aroclor-1242 [2C]	ND	0.040	µg/L							
Aroclor-1248	ND	0.040	µg/L							
Aroclor-1248 [2C]	ND	0.040	µg/L							
Aroclor-1254	ND	0.040	µg/L							
Aroclor-1254 [2C]	ND	0.040	µg/L							
Aroclor-1260	ND	0.040	µg/L							
Aroclor-1260 [2C]	ND	0.040	µg/L							R-05
Aroclor-1262	ND	0.040	µg/L							
Aroclor-1262 [2C]	ND	0.040	µg/L							
Aroclor-1268	ND	0.040	µg/L							
Aroclor-1268 [2C]	ND	0.040	µg/L							
Surrogate: Decachlorobiphenyl	1.38		µg/L	2.00		68.9	30-150			
Surrogate: Decachlorobiphenyl [2C]	1.79		µg/L	2.00		89.7	30-150			
Surrogate: Tetrachloro-m-xylene	1.34		µg/L	2.00		66.8	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	1.81		µg/L	2.00		90.3	30-150			
LCS (B183981-BS1)										
Prepared: 08/14/17 Analyzed: 08/18/17										
Aroclor-1016	0.48	0.20	µg/L	0.500		96.5	40-140			
Aroclor-1016 [2C]	0.46	0.20	µg/L	0.500		92.4	40-140			
Aroclor-1260	0.39	0.20	µg/L	0.500		77.0	40-140			
Aroclor-1260 [2C]	0.38	0.20	µg/L	0.500		75.4	40-140			R-05
Surrogate: Decachlorobiphenyl	1.50		µg/L	2.00		75.2	30-150			
Surrogate: Decachlorobiphenyl [2C]	1.66		µg/L	2.00		83.1	30-150			
Surrogate: Tetrachloro-m-xylene	1.63		µg/L	2.00		81.6	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	1.76		µg/L	2.00		87.8	30-150			
LCS Dup (B183981-BSD1)										
Prepared: 08/14/17 Analyzed: 08/18/17										
Aroclor-1016	0.54	0.20	µg/L	0.500		107	40-140	10.6	20	
Aroclor-1016 [2C]	0.54	0.20	µg/L	0.500		108	40-140	15.8	20	
Aroclor-1260	0.44	0.20	µg/L	0.500		88.7	40-140	14.1	20	
Aroclor-1260 [2C]	0.48	0.20	µg/L	0.500		96.7	40-140	24.7 *	20	R-05
Surrogate: Decachlorobiphenyl	1.75		µg/L	2.00		87.6	30-150			
Surrogate: Decachlorobiphenyl [2C]	1.92		µg/L	2.00		96.1	30-150			
Surrogate: Tetrachloro-m-xylene	1.78		µg/L	2.00		89.2	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	1.95		µg/L	2.00		97.5	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
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Batch B184053 - SW-846 3540C
Blank (B184053-BLK1)

Prepared: 08/14/17 Analyzed: 08/16/17

Aroclor-1016	ND	0.020	mg/Kg wet							
Aroclor-1016 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1221	ND	0.020	mg/Kg wet							
Aroclor-1221 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1232	ND	0.020	mg/Kg wet							
Aroclor-1232 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1242	ND	0.020	mg/Kg wet							
Aroclor-1242 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1248	ND	0.020	mg/Kg wet							
Aroclor-1248 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1254	ND	0.020	mg/Kg wet							
Aroclor-1254 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1260	ND	0.020	mg/Kg wet							
Aroclor-1260 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1262	ND	0.020	mg/Kg wet							
Aroclor-1262 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1268	ND	0.020	mg/Kg wet							
Aroclor-1268 [2C]	ND	0.020	mg/Kg wet							
Surrogate: Decachlorobiphenyl	0.163		mg/Kg wet	0.200		81.3	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.190		mg/Kg wet	0.200		95.2	30-150			
Surrogate: Tetrachloro-m-xylene	0.183		mg/Kg wet	0.200		91.5	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.206		mg/Kg wet	0.200		103	30-150			

LCS (B184053-BS1)

Prepared: 08/14/17 Analyzed: 08/16/17

Aroclor-1016	0.17	0.020	mg/Kg wet	0.200		86.6	40-140			
Aroclor-1016 [2C]	0.19	0.020	mg/Kg wet	0.200		95.7	40-140			
Aroclor-1260	0.16	0.020	mg/Kg wet	0.200		78.2	40-140			
Aroclor-1260 [2C]	0.17	0.020	mg/Kg wet	0.200		83.2	40-140			
Surrogate: Decachlorobiphenyl	0.152		mg/Kg wet	0.200		76.1	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.179		mg/Kg wet	0.200		89.3	30-150			
Surrogate: Tetrachloro-m-xylene	0.173		mg/Kg wet	0.200		86.6	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.193		mg/Kg wet	0.200		96.7	30-150			

LCS Dup (B184053-BSD1)

Prepared: 08/14/17 Analyzed: 08/16/17

Aroclor-1016	0.19	0.020	mg/Kg wet	0.200		94.6	40-140	8.87	30	
Aroclor-1016 [2C]	0.20	0.020	mg/Kg wet	0.200		102	40-140	6.60	30	
Aroclor-1260	0.17	0.020	mg/Kg wet	0.200		83.3	40-140	6.40	30	
Aroclor-1260 [2C]	0.18	0.020	mg/Kg wet	0.200		88.9	40-140	6.66	30	
Surrogate: Decachlorobiphenyl	0.166		mg/Kg wet	0.200		83.0	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.198		mg/Kg wet	0.200		99.2	30-150			
Surrogate: Tetrachloro-m-xylene	0.184		mg/Kg wet	0.200		91.8	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.208		mg/Kg wet	0.200		104	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
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Batch B184156 - SW-846 3540C
Blank (B184156-BLK1)

Prepared: 08/15/17 Analyzed: 08/17/17

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	0.993		mg/Kg	1.00		99.3	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.935		mg/Kg	1.00		93.5	30-150			
Surrogate: Tetrachloro-m-xylene	0.814		mg/Kg	1.00		81.4	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.900		mg/Kg	1.00		90.0	30-150			

LCS (B184156-BS1)

Prepared: 08/15/17 Analyzed: 08/17/17

Aroclor-1016	0.81	0.10	mg/Kg	1.00		81.2	40-140			
Aroclor-1016 [2C]	0.91	0.10	mg/Kg	1.00		90.9	40-140			
Aroclor-1260	0.82	0.10	mg/Kg	1.00		82.3	40-140			
Aroclor-1260 [2C]	0.79	0.10	mg/Kg	1.00		79.1	40-140			
Surrogate: Decachlorobiphenyl	0.937		mg/Kg	1.00		93.7	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.883		mg/Kg	1.00		88.3	30-150			
Surrogate: Tetrachloro-m-xylene	0.759		mg/Kg	1.00		75.9	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.843		mg/Kg	1.00		84.3	30-150			

LCS Dup (B184156-BSD1)

Prepared: 08/15/17 Analyzed: 08/17/17

Aroclor-1016	0.88	0.10	mg/Kg	1.00		87.8	40-140	7.77	30	
Aroclor-1016 [2C]	0.99	0.10	mg/Kg	1.00		99.1	40-140	8.57	30	
Aroclor-1260	0.92	0.10	mg/Kg	1.00		92.1	40-140	11.1	30	
Aroclor-1260 [2C]	0.88	0.10	mg/Kg	1.00		88.0	40-140	10.7	30	
Surrogate: Decachlorobiphenyl	1.06		mg/Kg	1.00		106	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.990		mg/Kg	1.00		99.0	30-150			
Surrogate: Tetrachloro-m-xylene	0.818		mg/Kg	1.00		81.8	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.893		mg/Kg	1.00		89.3	30-150			

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QUALITY CONTROL
Petroleum Hydrocarbons Analyses - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B184016 - SW-846 3546										
Blank (B184016-BLK1)				Prepared: 08/14/17 Analyzed: 08/15/17						
CT ETPH	ND	10	mg/Kg wet							
Surrogate: o-Terphenyl	3.32		mg/Kg wet	3.33		99.5	50-150			
LCS (B184016-BS1)				Prepared: 08/14/17 Analyzed: 08/15/17						
CT ETPH	24.4	10	mg/Kg wet	33.3		73.1	60-120			
Surrogate: o-Terphenyl	3.08		mg/Kg wet	3.33		92.4	50-150			
LCS Dup (B184016-BSD1)				Prepared: 08/14/17 Analyzed: 08/15/17						
CT ETPH	27.1	10	mg/Kg wet	33.3		81.3	60-120	10.7	30	
Surrogate: o-Terphenyl	3.43		mg/Kg wet	3.33		103	50-150			
Batch B184126 - SW-846 3510C										
Blank (B184126-BLK1)				Prepared: 08/15/17 Analyzed: 08/17/17						
CT ETPH	ND	0.075	mg/L							
Surrogate: o-Terphenyl	0.0836		mg/L	0.100		83.6	50-150			
LCS (B184126-BS1)				Prepared: 08/15/17 Analyzed: 08/17/17						
CT ETPH	0.765	0.075	mg/L	1.00		76.5	60-120			
Surrogate: o-Terphenyl	0.0930		mg/L	0.100		93.0	50-150			
LCS Dup (B184126-BSD1)				Prepared: 08/15/17 Analyzed: 08/17/17						
CT ETPH	0.749	0.075	mg/L	1.00		74.9	60-120	2.10	30	
Surrogate: o-Terphenyl	0.0919		mg/L	0.100		91.9	50-150			

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC14-SE-2

Lab Sample ID: 17H0394-01 Date(s) Analyzed: 08/16/2017 08/16/2017

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1248	1	0.000	-0.030	0.030	0.73	
	2	0.000	-0.030	0.030	0.96	25.9
Aroclor-1254	1	0.000	-0.030	0.030	0.71	
	2	0.000	-0.030	0.030	0.97	31.0
Aroclor-1260	1	0.000	-0.030	0.030	0.58	
	2	0.000	-0.030	0.030	0.64	9.8

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC14-SE-3

Lab Sample ID: 17H0394-02 Date(s) Analyzed: 08/16/2017 08/16/2017

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1248	1	0.000	-0.030	0.030	1.6	
	2	0.000	-0.030	0.030	1.9	17.1
Aroclor-1254	1	0.000	-0.030	0.030	1.5	
	2	0.000	-0.030	0.030	1.7	12.5
Aroclor-1260	1	0.000	-0.030	0.030	0.70	
	2	0.000	-0.030	0.030	0.80	13.3

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC14-SE-4

Lab Sample ID: 17H0394-03 Date(s) Analyzed: 08/16/2017 08/16/2017

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1248	1	0.000	-0.030	0.030	0.73	
	2	0.000	-0.030	0.030	0.93	24.1
Aroclor-1254	1	0.000	-0.030	0.030	0.84	
	2	0.000	-0.030	0.030	1.0	17.4
Aroclor-1260	1	0.000	-0.030	0.030	0.67	
	2	0.000	-0.030	0.030	0.70	4.4

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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.
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.

CERTIFICATIONS
Certified Analyses included in this Report

Analyte	Certifications
<i>CTDEP ETPH in Soil</i>	
CT ETPH	CT
<i>CTDEP ETPH in Water</i>	
CT ETPH	CT
<i>SW-846 8082A in Product/Solid</i>	
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
<i>SW-846 8082A in Soil</i>	
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
<i>SW-846 8082A in Water</i>	
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

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
<i>SW-846 8082A in Water</i>	
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
<i>SW-846 8270D in Soil</i>	
Acenaphthene	CT,NY,NH,ME,NC,VA
Acenaphthylene	CT,NY,NH,ME,NC,VA
Anthracene	CT,NY,NH,ME,NC,VA
Benzo(a)anthracene	CT,NY,NH,ME,NC,VA
Benzo(a)pyrene	CT,NY,NH,ME,NC,VA
Benzo(b)fluoranthene	CT,NY,NH,ME,NC,VA
Benzo(g,h,i)perylene	CT,NY,NH,ME,NC,VA
Benzo(k)fluoranthene	CT,NY,NH,ME,NC,VA
Chrysene	CT,NY,NH,ME,NC,VA
Dibenz(a,h)anthracene	CT,NY,NH,ME,NC,VA
Fluoranthene	CT,NY,NH,ME,NC,VA
Fluorene	CT,NY,NH,ME,NC,VA
Indeno(1,2,3-cd)pyrene	CT,NY,NH,ME,NC,VA
2-Methylnaphthalene	CT,NY,NH,ME,NC,VA
Naphthalene	CT,NY,NH,ME,NC,VA
Phenanthrene	CT,NY,NH,ME,NC,VA
Pyrene	CT,NY,NH,ME,NC,VA

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 Public 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



1740394
Phone: 413-525-2332
Fax: 413-525-6405
Email: info@contestlabs.com
www.contestlabs.com

CHAIN OF CUSTODY RECORD

39 Spruce Street
East Longmeadow, MA 01028

Page 1 of 1

Company Name: Western 4 Samogan
Address: 273 Duval Road
Attention: Rocky Hill, CT 06067
Project Location: English Station
Sampled By: Will Sirojank
Project Proposal Provided? (for billing purposes)
☐ Yes ☐ No proposal date

Telephone: 860-513-1473
Project #
Client PO#
DATA DELIVERY (check all that apply)
☐ FAX ☐ EMAIL ☐ WEBSITE
Fax #
Email: beeler@wiseinc.com
Format: ☐ PDF ☐ EXCEL ☐ GIS
☐ OTHER

Con-Test Lab ID (Laboratory use only)	Client Sample ID / Description	Collection		Composite	"Enhanced Data Package"		Matrix Data	Conc Data
		Beginning Date/Time	Ending Date/Time		Grab	Conc Data		
1	WS-AOC14-SE-2	8/8/17	1700		X		S	
2	WS-AOC14-SE-3	8/8/17	1800		↓		↓	
3	WS-AOC14-SE-4		1900					
4	WS-AOC14-00-3		1015		X		0	
5	Equipment blank-32		1430		X		0	
6	Equipment blank-33		1445		X		0	

Comments: Run SE-2, SE-3, SE-4 as Solid.
Please use the following codes to let Con-Test know if a specific sample may be high in concentration in Matrix/Conc. Code Box:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Requisitioned by (signature): [Signature] Date/Time: 8/8/17
Received by (signature): [Signature] Date/Time: 8/8/17
Inquisitioned by (signature): [Signature] Date/Time: 8/8/17
Received by (signature): [Signature] Date/Time: 408/8/17
Turnaround Time STARTS AT 9:00 A.M. THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON YOUR CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR INCORRECT, TURNAROUND TIME WILL NOT START UNTIL ALL QUESTIONS ARE ANSWERED BY OUR CLIENT.

Is your project MCP or RCP?
☐ MCP Form Required
☐ RCP Form Required
☐ MA State DW Form Required PWSID #
NELAC & AIHA-LAP, LLC
Accredited
WBE/DBE Certifier

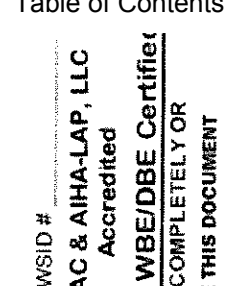


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39 Spruce St.
East Longmeadow, MA. 01028
P: 413-525-2332
F: 413-525-6405
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con-test®
ANALYTICAL LABORATORY

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 A.F.

Date 8/8/17

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 - 4.0
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 Client T Analysis T Sampler Name T
pertinent Information? 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 MS/MSD? N/A
Is there Headspace where applicable? N/A Is splitting samples required? N/A
Proper Media/Containers Used? T On COC? N/A
Were trip blanks received? N/A Acid Base
Do all samples have the proper pH? N/A

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.	<u>7</u>	1 Liter Plastic		16 oz Amb.	
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear	<u>3</u>
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear	<u>1</u>
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\A081717\A0817006.D

CT ETPH DISCRIMINATION CHECK

Date Acquired 8/17/17
 Data File Name A0817006.D
 Sample Name ETPH 1500
 Instrument Name 5890DFID

Compound	Ret Time	Target Response	Average Response	***D +/- 20
c - 9	1.29	540991	570819	-5
c - 10	1.64	544924	570819	-5
c - 12	2.37	556484	570819	-3
c - 14	3.05	564994	570819	-1
c - 16	3.65	578473	570819	1
c - 18	4.29	576059	570819	1
o-Terphenyl	4.57	653528	570819	
c - 20	4.89	590252	570819	3
c - 22	5.40	606984	570819	6
c - 24	5.84	571691	570819	0
c - 26	6.23	604291	570819	6
c - 28	6.60	591952	570819	4
c - 30	6.93	577792	570819	1
c - 32	7.24	555059	570819	-3
c - 34	7.54	552787	570819	-3
c - 36	7.89	549559	570819	-4

* One compound allowed %D <= 50%

Samples

17H0394-01@25X
 17H0394-03@50X

D:\HPCHEM\1\DATA\A081717.SEC\A0817007.D

CT ETPH DISCRIMINATION CHECK

Date Acquired 8/17/17
 Data File Name A0817007.D
 Sample Name ETPH 1500
 Instrument Name 5890DFID

Compound	Ret Time	Target Response	Average Response	***D +/- 20
c - 9	1.29	656420	700060	-6
c - 10	1.63	668303	700060	-5
c - 12	2.35	695645	700060	-1
c - 14	3.01	712597	700060	2
c - 16	3.62	727943	700060	4
c - 18	4.23	718431	700060	3
o-Terphenyl	4.51	798888	700060	
c - 20	4.84	725022	700060	4
c - 22	5.34	733139	700060	5
c - 24	5.78	682958	700060	-2
c - 26	6.17	717420	700060	2
c - 28	6.53	705321	700060	1
c - 30	6.86	698216	700060	0
c - 32	7.17	680459	700060	-3
c - 34	7.46	686681	700060	-2
c - 36	7.78	692339	700060	-1

* One compound allowed %D <= 50%

Samples

17H0394-02@10X

D:\HPCHEM\1\DATA\A081717\A0817024.D

CT ETPH DISCRIMINATION CHECK

Date Acquired 8/17/17
Data File Name A0817024.D
Sample Name ETPH 1500
Instrument Name 5890DFID

Compound	Ret Time	Target Response	Average Response	%D +/- 20
c - 9	1.29	478711	508703	-6
c - 10	1.64	484497	508703	-5
c - 12	2.37	499324	508703	-2
c - 14	3.05	509329	508703	0
c - 16	3.66	522672	508703	3
c - 18	4.29	519758	508703	2
o-Terphenyl	4.57	580983	508703	
c - 20	4.89	528784	508703	4
c - 22	5.40	539953	508703	6
c - 24	5.84	503971	508703	-1
c - 26	6.24	528295	508703	4
c - 28	6.60	517203	508703	2
c - 30	6.93	508357	508703	0
c - 32	7.24	494707	508703	-3
c - 34	7.54	496880	508703	-2
c - 36	7.89	498109	508703	-2

* One compound allowed %D <= 50%

Samples

17H0394-05



REASONABLE CONFIDENCE PROTOCOL LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name: Con-Test Analytical Laboratory

Client: Weston & Sampson

Project Location: English Station

Project Number: 17H0394

Laboratory Sample ID(s):

17H0394-01 thru 17H0394-06

Sample Date(s):

08/08/2017

List RCP Methods Used:

CTDEP ETPH, SW-846 8082A, SW-846 8270D

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

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

This form may not be altered and all questions must be answered.

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

Authorized Signature:
Position: Project Manager
Printed Name: Lisa A. Worthington
Date: 08/21/17
Name of Laboratory: Con-Test Analytical Laboratory

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

August 18, 2017

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

Project Location: English Station
Client Job Number:
Project Number: 2170495
Laboratory Work Order Number: 17H0533

Enclosed are results of analyses for samples received by the laboratory on August 9, 2017. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink, appearing to read "James Georgantas", with a long, sweeping horizontal line extending to the right.

James M. Georgantas
Project Manager

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

REPORT DATE: 8/18/2017

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 2170495

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 17H0533

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

PROJECT LOCATION: English Station

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
WS-AOC14-SE-5	17H0533-01	Product/Solid		CTDEP ETPH SW-846 8082A SW-846 8270D	
WS-AOC14-SE-6	17H0533-02	Product/Solid		CTDEP ETPH SW-846 8082A SW-846 8270D	
WS-AOC14-SE-7	17H0533-03	Product/Solid		CTDEP ETPH SW-846 8082A SW-846 8270D	
WS-AOC14-SE-8	17H0533-04	Product/Solid		CTDEP ETPH SW-846 8082A SW-846 8270D	
WS-AOC14-CO-2	17H0533-05	Product/Solid		SW-846 8082A	
WS-AOC14-CO-4	17H0533-06	Product/Solid		SW-846 8082A	
WS-AOC14-CO-5	17H0533-07	Product/Solid		SW-846 8082A	
WS-AOC14-CO-6	17H0533-08	Product/Solid		SW-846 8082A	
WS-AOC14-CO-7	17H0533-09	Product/Solid		SW-846 8082A	
WS-AOC14-CO-8	17H0533-10	Product/Solid		SW-846 8082A	

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CASE NARRATIVE SUMMARY

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

For method 8270, only PAHs were requested and reported.

SW-846 8082A

Qualifications:

MS-21

Matrix spike and/or spike duplicate recovery bias high due to contribution of other Aroclors present in the source sample.

Analyte & Samples(s) Qualified:

Aroclor-1016 [2C]

B184156-MS1, B184156-MSD1

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.

A handwritten signature in black ink, appearing to read "Daren J. Damboragian", is shown on a light gray background.

Daren J. Damboragian
Director of Operations

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

Project Location: English Station

Sample Description:

Work Order: 17H0533

Date Received: 8/9/2017

Field Sample #: WS-AOC14-SE-5

Sampled: 8/9/2017 09:30

Sample ID: 17H0533-01

Sample Matrix: Product/Solid

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.85	mg/Kg	1		SW-846 8270D	8/16/17	8/17/17 14:05	BGL
Acenaphthylene	ND	0.85	mg/Kg	1		SW-846 8270D	8/16/17	8/17/17 14:05	BGL
Anthracene	ND	0.85	mg/Kg	1		SW-846 8270D	8/16/17	8/17/17 14:05	BGL
Benzo(a)anthracene	1.6	0.85	mg/Kg	1		SW-846 8270D	8/16/17	8/17/17 14:05	BGL
Benzo(a)pyrene	1.5	0.85	mg/Kg	1		SW-846 8270D	8/16/17	8/17/17 14:05	BGL
Benzo(b)fluoranthene	2.5	0.85	mg/Kg	1		SW-846 8270D	8/16/17	8/17/17 14:05	BGL
Benzo(g,h,i)perylene	0.86	0.85	mg/Kg	1		SW-846 8270D	8/16/17	8/17/17 14:05	BGL
Benzo(k)fluoranthene	ND	0.85	mg/Kg	1		SW-846 8270D	8/16/17	8/17/17 14:05	BGL
Chrysene	1.5	0.85	mg/Kg	1		SW-846 8270D	8/16/17	8/17/17 14:05	BGL
Dibenz(a,h)anthracene	ND	0.85	mg/Kg	1		SW-846 8270D	8/16/17	8/17/17 14:05	BGL
Fluoranthene	3.8	0.85	mg/Kg	1		SW-846 8270D	8/16/17	8/17/17 14:05	BGL
Fluorene	ND	0.85	mg/Kg	1		SW-846 8270D	8/16/17	8/17/17 14:05	BGL
Indeno(1,2,3-cd)pyrene	0.94	0.85	mg/Kg	1		SW-846 8270D	8/16/17	8/17/17 14:05	BGL
2-Methylnaphthalene	ND	0.85	mg/Kg	1		SW-846 8270D	8/16/17	8/17/17 14:05	BGL
Naphthalene	ND	0.85	mg/Kg	1		SW-846 8270D	8/16/17	8/17/17 14:05	BGL
Phenanthrene	3.4	0.85	mg/Kg	1		SW-846 8270D	8/16/17	8/17/17 14:05	BGL
Pyrene	3.3	0.85	mg/Kg	1		SW-846 8270D	8/16/17	8/17/17 14:05	BGL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Nitrobenzene-d5	87.1	30-130							
2-Fluorobiphenyl	70.1	30-130							
p-Terphenyl-d14	75.8	30-130							

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Project Location: English Station

Sample Description:

Work Order: 17H0533

Date Received: 8/9/2017

Field Sample #: WS-AOC14-SE-5

Sampled: 8/9/2017 09:30

Sample ID: 17H0533-01

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	0.097	mg/Kg	1		SW-846 8082A	8/15/17	8/17/17 15:47	KAL
Aroclor-1221 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	8/15/17	8/17/17 15:47	KAL
Aroclor-1232 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	8/15/17	8/17/17 15:47	KAL
Aroclor-1242 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	8/15/17	8/17/17 15:47	KAL
Aroclor-1248 [2]	0.51	0.097	mg/Kg	1		SW-846 8082A	8/15/17	8/17/17 15:47	KAL
Aroclor-1254 [2]	0.57	0.097	mg/Kg	1		SW-846 8082A	8/15/17	8/17/17 15:47	KAL
Aroclor-1260 [1]	0.24	0.097	mg/Kg	1		SW-846 8082A	8/15/17	8/17/17 15:47	KAL
Aroclor-1262 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	8/15/17	8/17/17 15:47	KAL
Aroclor-1268 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	8/15/17	8/17/17 15:47	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	102	30-150						8/17/17 15:47	
Decachlorobiphenyl [2]	105	30-150						8/17/17 15:47	
Tetrachloro-m-xylene [1]	85.3	30-150						8/17/17 15:47	
Tetrachloro-m-xylene [2]	93.9	30-150						8/17/17 15:47	

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Project Location: English Station

Sample Description:

Work Order: 17H0533

Date Received: 8/9/2017

Field Sample #: WS-AOC14-SE-5

Sampled: 8/9/2017 09:30

Sample ID: 17H0533-01

Sample Matrix: Product/Solid

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	410	250	mg/Kg	5		CTDEP ETPH	8/15/17	8/16/17 9:20	SCS
Surrogates	% Recovery		Recovery Limits		Flag/Qual				
o-Terphenyl	56.5		50-150			8/16/17 9:20			

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Project Location: English Station

Sample Description:

Work Order: 17H0533

Date Received: 8/9/2017

Field Sample #: WS-AOC14-SE-6

Sampled: 8/9/2017 09:45

Sample ID: 17H0533-02

Sample Matrix: Product/Solid

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.84	mg/Kg	1		SW-846 8270D	8/16/17	8/17/17 14:31	BGL
Acenaphthylene	ND	0.84	mg/Kg	1		SW-846 8270D	8/16/17	8/17/17 14:31	BGL
Anthracene	ND	0.84	mg/Kg	1		SW-846 8270D	8/16/17	8/17/17 14:31	BGL
Benzo(a)anthracene	ND	0.84	mg/Kg	1		SW-846 8270D	8/16/17	8/17/17 14:31	BGL
Benzo(a)pyrene	0.85	0.84	mg/Kg	1		SW-846 8270D	8/16/17	8/17/17 14:31	BGL
Benzo(b)fluoranthene	1.2	0.84	mg/Kg	1		SW-846 8270D	8/16/17	8/17/17 14:31	BGL
Benzo(g,h,i)perylene	ND	0.84	mg/Kg	1		SW-846 8270D	8/16/17	8/17/17 14:31	BGL
Benzo(k)fluoranthene	ND	0.84	mg/Kg	1		SW-846 8270D	8/16/17	8/17/17 14:31	BGL
Chrysene	ND	0.84	mg/Kg	1		SW-846 8270D	8/16/17	8/17/17 14:31	BGL
Dibenz(a,h)anthracene	ND	0.84	mg/Kg	1		SW-846 8270D	8/16/17	8/17/17 14:31	BGL
Fluoranthene	1.5	0.84	mg/Kg	1		SW-846 8270D	8/16/17	8/17/17 14:31	BGL
Fluorene	ND	0.84	mg/Kg	1		SW-846 8270D	8/16/17	8/17/17 14:31	BGL
Indeno(1,2,3-cd)pyrene	ND	0.84	mg/Kg	1		SW-846 8270D	8/16/17	8/17/17 14:31	BGL
2-Methylnaphthalene	ND	0.84	mg/Kg	1		SW-846 8270D	8/16/17	8/17/17 14:31	BGL
Naphthalene	ND	0.84	mg/Kg	1		SW-846 8270D	8/16/17	8/17/17 14:31	BGL
Phenanthrene	ND	0.84	mg/Kg	1		SW-846 8270D	8/16/17	8/17/17 14:31	BGL
Pyrene	1.8	0.84	mg/Kg	1		SW-846 8270D	8/16/17	8/17/17 14:31	BGL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Nitrobenzene-d5	77.4	30-130							
2-Fluorobiphenyl	65.4	30-130							
p-Terphenyl-d14	64.3	30-130							

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Project Location: English Station

Sample Description:

Work Order: 17H0533

Date Received: 8/9/2017

Field Sample #: WS-AOC14-SE-6

Sampled: 8/9/2017 09:45

Sample ID: 17H0533-02

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	8/15/17	8/17/17 16:04	KAL
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/15/17	8/17/17 16:04	KAL
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/15/17	8/17/17 16:04	KAL
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/15/17	8/17/17 16:04	KAL
Aroclor-1248 [2]	0.62	0.10	mg/Kg	1		SW-846 8082A	8/15/17	8/17/17 16:04	KAL
Aroclor-1254 [2]	0.83	0.10	mg/Kg	1		SW-846 8082A	8/15/17	8/17/17 16:04	KAL
Aroclor-1260 [2]	0.33	0.10	mg/Kg	1		SW-846 8082A	8/15/17	8/17/17 16:04	KAL
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/15/17	8/17/17 16:04	KAL
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/15/17	8/17/17 16:04	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	109	30-150							
Decachlorobiphenyl [2]	113	30-150							
Tetrachloro-m-xylene [1]	91.4	30-150							
Tetrachloro-m-xylene [2]	102	30-150							

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Project Location: English Station

Sample Description:

Work Order: 17H0533

Date Received: 8/9/2017

Field Sample #: WS-AOC14-SE-6

Sampled: 8/9/2017 09:45

Sample ID: 17H0533-02

Sample Matrix: Product/Solid

Petrolium Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	1900	250	mg/Kg	5		CTDEP ETPH	8/15/17	8/15/17 17:36	SCS
Surrogates	% Recovery		Recovery Limits		Flag/Qual				
o-Terphenyl	67.8		50-150				8/15/17 17:36		

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Project Location: English Station

Sample Description:

Work Order: 17H0533

Date Received: 8/9/2017

Field Sample #: WS-AOC14-SE-7

Sampled: 8/9/2017 12:15

Sample ID: 17H0533-03

Sample Matrix: Product/Solid

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.85	mg/Kg	1		SW-846 8270D	8/16/17	8/17/17 14:57	BGL
Acenaphthylene	ND	0.85	mg/Kg	1		SW-846 8270D	8/16/17	8/17/17 14:57	BGL
Anthracene	ND	0.85	mg/Kg	1		SW-846 8270D	8/16/17	8/17/17 14:57	BGL
Benzo(a)anthracene	ND	0.85	mg/Kg	1		SW-846 8270D	8/16/17	8/17/17 14:57	BGL
Benzo(a)pyrene	0.94	0.85	mg/Kg	1		SW-846 8270D	8/16/17	8/17/17 14:57	BGL
Benzo(b)fluoranthene	1.5	0.85	mg/Kg	1		SW-846 8270D	8/16/17	8/17/17 14:57	BGL
Benzo(g,h,i)perylene	ND	0.85	mg/Kg	1		SW-846 8270D	8/16/17	8/17/17 14:57	BGL
Benzo(k)fluoranthene	ND	0.85	mg/Kg	1		SW-846 8270D	8/16/17	8/17/17 14:57	BGL
Chrysene	ND	0.85	mg/Kg	1		SW-846 8270D	8/16/17	8/17/17 14:57	BGL
Dibenz(a,h)anthracene	ND	0.85	mg/Kg	1		SW-846 8270D	8/16/17	8/17/17 14:57	BGL
Fluoranthene	1.4	0.85	mg/Kg	1		SW-846 8270D	8/16/17	8/17/17 14:57	BGL
Fluorene	ND	0.85	mg/Kg	1		SW-846 8270D	8/16/17	8/17/17 14:57	BGL
Indeno(1,2,3-cd)pyrene	ND	0.85	mg/Kg	1		SW-846 8270D	8/16/17	8/17/17 14:57	BGL
2-Methylnaphthalene	ND	0.85	mg/Kg	1		SW-846 8270D	8/16/17	8/17/17 14:57	BGL
Naphthalene	ND	0.85	mg/Kg	1		SW-846 8270D	8/16/17	8/17/17 14:57	BGL
Phenanthrene	ND	0.85	mg/Kg	1		SW-846 8270D	8/16/17	8/17/17 14:57	BGL
Pyrene	1.7	0.85	mg/Kg	1		SW-846 8270D	8/16/17	8/17/17 14:57	BGL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Nitrobenzene-d5	54.2	30-130							
2-Fluorobiphenyl	47.9	30-130							
p-Terphenyl-d14	47.9	30-130							

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Project Location: English Station

Sample Description:

Work Order: 17H0533

Date Received: 8/9/2017

Field Sample #: WS-AOC14-SE-7

Sampled: 8/9/2017 12:15

Sample ID: 17H0533-03

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	0.096	mg/Kg	1		SW-846 8082A	8/15/17	8/17/17 16:22	KAL
Aroclor-1221 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	8/15/17	8/17/17 16:22	KAL
Aroclor-1232 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	8/15/17	8/17/17 16:22	KAL
Aroclor-1242 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	8/15/17	8/17/17 16:22	KAL
Aroclor-1248 [2]	0.30	0.096	mg/Kg	1		SW-846 8082A	8/15/17	8/17/17 16:22	KAL
Aroclor-1254 [2]	0.42	0.096	mg/Kg	1		SW-846 8082A	8/15/17	8/17/17 16:22	KAL
Aroclor-1260 [2]	0.29	0.096	mg/Kg	1		SW-846 8082A	8/15/17	8/17/17 16:22	KAL
Aroclor-1262 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	8/15/17	8/17/17 16:22	KAL
Aroclor-1268 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	8/15/17	8/17/17 16:22	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	105	30-150							
Decachlorobiphenyl [2]	110	30-150							
Tetrachloro-m-xylene [1]	88.6	30-150							
Tetrachloro-m-xylene [2]	98.3	30-150							

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Project Location: English Station

Sample Description:

Work Order: 17H0533

Date Received: 8/9/2017

Field Sample #: WS-AOC14-SE-7

Sampled: 8/9/2017 12:15

Sample ID: 17H0533-03

Sample Matrix: Product/Solid

Petrolium Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	980	250	mg/Kg	5		CTDEP ETPH	8/15/17	8/15/17 17:54	SCS
Surrogates	% Recovery		Recovery Limits		Flag/Qual				
o-Terphenyl	71.2		50-150				8/15/17 17:54		

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Project Location: English Station

Sample Description:

Work Order: 17H0533

Date Received: 8/9/2017

Field Sample #: WS-AOC14-SE-8

Sampled: 8/9/2017 12:30

Sample ID: 17H0533-04

Sample Matrix: Product/Solid

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.84	mg/Kg	1		SW-846 8270D	8/16/17	8/17/17 15:23	BGL
Acenaphthylene	ND	0.84	mg/Kg	1		SW-846 8270D	8/16/17	8/17/17 15:23	BGL
Anthracene	ND	0.84	mg/Kg	1		SW-846 8270D	8/16/17	8/17/17 15:23	BGL
Benzo(a)anthracene	0.97	0.84	mg/Kg	1		SW-846 8270D	8/16/17	8/17/17 15:23	BGL
Benzo(a)pyrene	1.2	0.84	mg/Kg	1		SW-846 8270D	8/16/17	8/17/17 15:23	BGL
Benzo(b)fluoranthene	1.9	0.84	mg/Kg	1		SW-846 8270D	8/16/17	8/17/17 15:23	BGL
Benzo(g,h,i)perylene	ND	0.84	mg/Kg	1		SW-846 8270D	8/16/17	8/17/17 15:23	BGL
Benzo(k)fluoranthene	ND	0.84	mg/Kg	1		SW-846 8270D	8/16/17	8/17/17 15:23	BGL
Chrysene	1.1	0.84	mg/Kg	1		SW-846 8270D	8/16/17	8/17/17 15:23	BGL
Dibenz(a,h)anthracene	ND	0.84	mg/Kg	1		SW-846 8270D	8/16/17	8/17/17 15:23	BGL
Fluoranthene	2.5	0.84	mg/Kg	1		SW-846 8270D	8/16/17	8/17/17 15:23	BGL
Fluorene	ND	0.84	mg/Kg	1		SW-846 8270D	8/16/17	8/17/17 15:23	BGL
Indeno(1,2,3-cd)pyrene	ND	0.84	mg/Kg	1		SW-846 8270D	8/16/17	8/17/17 15:23	BGL
2-Methylnaphthalene	ND	0.84	mg/Kg	1		SW-846 8270D	8/16/17	8/17/17 15:23	BGL
Naphthalene	ND	0.84	mg/Kg	1		SW-846 8270D	8/16/17	8/17/17 15:23	BGL
Phenanthrene	1.7	0.84	mg/Kg	1		SW-846 8270D	8/16/17	8/17/17 15:23	BGL
Pyrene	2.6	0.84	mg/Kg	1		SW-846 8270D	8/16/17	8/17/17 15:23	BGL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Nitrobenzene-d5	77.5	30-130							
2-Fluorobiphenyl	60.7	30-130							
p-Terphenyl-d14	60.5	30-130							

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Project Location: English Station

Sample Description:

Work Order: 17H0533

Date Received: 8/9/2017

Field Sample #: WS-AOC14-SE-8

Sampled: 8/9/2017 12:30

Sample ID: 17H0533-04

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	0.093	mg/Kg	1		SW-846 8082A	8/15/17	8/17/17 16:39	KAL
Aroclor-1221 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	8/15/17	8/17/17 16:39	KAL
Aroclor-1232 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	8/15/17	8/17/17 16:39	KAL
Aroclor-1242 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	8/15/17	8/17/17 16:39	KAL
Aroclor-1248 [2]	0.46	0.093	mg/Kg	1		SW-846 8082A	8/15/17	8/17/17 16:39	KAL
Aroclor-1254 [2]	0.55	0.093	mg/Kg	1		SW-846 8082A	8/15/17	8/17/17 16:39	KAL
Aroclor-1260 [2]	0.33	0.093	mg/Kg	1		SW-846 8082A	8/15/17	8/17/17 16:39	KAL
Aroclor-1262 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	8/15/17	8/17/17 16:39	KAL
Aroclor-1268 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	8/15/17	8/17/17 16:39	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	103	30-150							
Decachlorobiphenyl [2]	108	30-150							
Tetrachloro-m-xylene [1]	88.7	30-150							
Tetrachloro-m-xylene [2]	97.2	30-150							

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Project Location: English Station

Sample Description:

Work Order: 17H0533

Date Received: 8/9/2017

Field Sample #: WS-AOC14-SE-8

Sampled: 8/9/2017 12:30

Sample ID: 17H0533-04

Sample Matrix: Product/Solid

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	500	250	mg/Kg	5		CTDEP ETPH	8/15/17	8/16/17 9:20	SCS
Surrogates	% Recovery		Recovery Limits		Flag/Qual				
o-Terphenyl	51.7		50-150					8/16/17 9:20	

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Project Location: English Station

Sample Description:

Work Order: 17H0533

Date Received: 8/9/2017

Field Sample #: WS-AOC14-CO-2

Sampled: 8/9/2017 10:00

Sample ID: 17H0533-05

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	8/15/17	8/17/17 16:56	KAL
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/15/17	8/17/17 16:56	KAL
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/15/17	8/17/17 16:56	KAL
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/15/17	8/17/17 16:56	KAL
Aroclor-1248 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/15/17	8/17/17 16:56	KAL
Aroclor-1254 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/15/17	8/17/17 16:56	KAL
Aroclor-1260 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/15/17	8/17/17 16:56	KAL
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/15/17	8/17/17 16:56	KAL
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/15/17	8/17/17 16:56	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	97.4	30-150						8/17/17 16:56	
Decachlorobiphenyl [2]	99.3	30-150						8/17/17 16:56	
Tetrachloro-m-xylene [1]	87.5	30-150						8/17/17 16:56	
Tetrachloro-m-xylene [2]	95.9	30-150						8/17/17 16:56	

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Project Location: English Station

Sample Description:

Work Order: 17H0533

Date Received: 8/9/2017

Field Sample #: WS-AOC14-CO-4

Sampled: 8/9/2017 10:30

Sample ID: 17H0533-06

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	0.094	mg/Kg	1		SW-846 8082A	8/15/17	8/17/17 17:14	KAL
Aroclor-1221 [1]	ND	0.094	mg/Kg	1		SW-846 8082A	8/15/17	8/17/17 17:14	KAL
Aroclor-1232 [1]	ND	0.094	mg/Kg	1		SW-846 8082A	8/15/17	8/17/17 17:14	KAL
Aroclor-1242 [1]	ND	0.094	mg/Kg	1		SW-846 8082A	8/15/17	8/17/17 17:14	KAL
Aroclor-1248 [1]	ND	0.094	mg/Kg	1		SW-846 8082A	8/15/17	8/17/17 17:14	KAL
Aroclor-1254 [1]	ND	0.094	mg/Kg	1		SW-846 8082A	8/15/17	8/17/17 17:14	KAL
Aroclor-1260 [1]	ND	0.094	mg/Kg	1		SW-846 8082A	8/15/17	8/17/17 17:14	KAL
Aroclor-1262 [1]	ND	0.094	mg/Kg	1		SW-846 8082A	8/15/17	8/17/17 17:14	KAL
Aroclor-1268 [1]	ND	0.094	mg/Kg	1		SW-846 8082A	8/15/17	8/17/17 17:14	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	107	30-150							
Decachlorobiphenyl [2]	103	30-150							
Tetrachloro-m-xylene [1]	93.1	30-150							
Tetrachloro-m-xylene [2]	102	30-150							

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Project Location: English Station

Sample Description:

Work Order: 17H0533

Date Received: 8/9/2017

Field Sample #: WS-AOC14-CO-5

Sampled: 8/9/2017 12:00

Sample ID: 17H0533-07

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	8/15/17	8/17/17 17:31	KAL
Aroclor-1221 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	8/15/17	8/17/17 17:31	KAL
Aroclor-1232 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	8/15/17	8/17/17 17:31	KAL
Aroclor-1242 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	8/15/17	8/17/17 17:31	KAL
Aroclor-1248 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	8/15/17	8/17/17 17:31	KAL
Aroclor-1254 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	8/15/17	8/17/17 17:31	KAL
Aroclor-1260 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	8/15/17	8/17/17 17:31	KAL
Aroclor-1262 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	8/15/17	8/17/17 17:31	KAL
Aroclor-1268 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	8/15/17	8/17/17 17:31	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	97.0	30-150							
Decachlorobiphenyl [2]	91.5	30-150							
Tetrachloro-m-xylene [1]	84.5	30-150							
Tetrachloro-m-xylene [2]	90.1	30-150							

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Project Location: English Station

Sample Description:

Work Order: 17H0533

Date Received: 8/9/2017

Field Sample #: WS-AOC14-CO-6

Sampled: 8/9/2017 12:30

Sample ID: 17H0533-08

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	8/15/17	8/17/17 17:48	KAL
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/15/17	8/17/17 17:48	KAL
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/15/17	8/17/17 17:48	KAL
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/15/17	8/17/17 17:48	KAL
Aroclor-1248 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/15/17	8/17/17 17:48	KAL
Aroclor-1254 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/15/17	8/17/17 17:48	KAL
Aroclor-1260 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/15/17	8/17/17 17:48	KAL
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/15/17	8/17/17 17:48	KAL
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/15/17	8/17/17 17:48	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	109	30-150							
Decachlorobiphenyl [2]	104	30-150							
Tetrachloro-m-xylene [1]	94.1	30-150							
Tetrachloro-m-xylene [2]	101	30-150							

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

Project Location: English Station

Sample Description:

Work Order: 17H0533

Date Received: 8/9/2017

Field Sample #: WS-AOC14-CO-7

Sampled: 8/9/2017 13:00

Sample ID: 17H0533-09

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.094	mg/Kg	1		SW-846 8082A	8/15/17	8/17/17 18:05	KAL
Aroclor-1221 [1]	ND	0.094	mg/Kg	1		SW-846 8082A	8/15/17	8/17/17 18:05	KAL
Aroclor-1232 [1]	ND	0.094	mg/Kg	1		SW-846 8082A	8/15/17	8/17/17 18:05	KAL
Aroclor-1242 [1]	ND	0.094	mg/Kg	1		SW-846 8082A	8/15/17	8/17/17 18:05	KAL
Aroclor-1248 [1]	ND	0.094	mg/Kg	1		SW-846 8082A	8/15/17	8/17/17 18:05	KAL
Aroclor-1254 [1]	ND	0.094	mg/Kg	1		SW-846 8082A	8/15/17	8/17/17 18:05	KAL
Aroclor-1260 [1]	ND	0.094	mg/Kg	1		SW-846 8082A	8/15/17	8/17/17 18:05	KAL
Aroclor-1262 [1]	ND	0.094	mg/Kg	1		SW-846 8082A	8/15/17	8/17/17 18:05	KAL
Aroclor-1268 [1]	ND	0.094	mg/Kg	1		SW-846 8082A	8/15/17	8/17/17 18:05	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	111	30-150							
Decachlorobiphenyl [2]	107	30-150							
Tetrachloro-m-xylene [1]	93.3	30-150							
Tetrachloro-m-xylene [2]	99.4	30-150							

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Project Location: English Station

Sample Description:

Work Order: 17H0533

Date Received: 8/9/2017

Field Sample #: WS-AOC14-CO-8

Sampled: 8/9/2017 13:30

Sample ID: 17H0533-10

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	0.099	mg/Kg	1		SW-846 8082A	8/15/17	8/17/17 18:23	KAL
Aroclor-1221 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/15/17	8/17/17 18:23	KAL
Aroclor-1232 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/15/17	8/17/17 18:23	KAL
Aroclor-1242 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/15/17	8/17/17 18:23	KAL
Aroclor-1248 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/15/17	8/17/17 18:23	KAL
Aroclor-1254 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/15/17	8/17/17 18:23	KAL
Aroclor-1260 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/15/17	8/17/17 18:23	KAL
Aroclor-1262 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/15/17	8/17/17 18:23	KAL
Aroclor-1268 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/15/17	8/17/17 18:23	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	102	30-150							
Decachlorobiphenyl [2]	98.8	30-150							
Tetrachloro-m-xylene [1]	84.2	30-150							
Tetrachloro-m-xylene [2]	89.7	30-150							

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Sample Extraction Data**Prep Method: SW-846 3546-CTDEP ETPH**

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17H0533-01 [WS-AOC14-SE-5]	B184119	6.00	1.00	08/15/17
17H0533-02 [WS-AOC14-SE-6]	B184119	6.00	1.00	08/15/17
17H0533-03 [WS-AOC14-SE-7]	B184119	6.00	1.00	08/15/17
17H0533-04 [WS-AOC14-SE-8]	B184119	6.00	1.00	08/15/17

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17H0533-01 [WS-AOC14-SE-5]	B184156	2.06	10.0	08/15/17
17H0533-02 [WS-AOC14-SE-6]	B184156	2.00	10.0	08/15/17
17H0533-03 [WS-AOC14-SE-7]	B184156	2.08	10.0	08/15/17
17H0533-04 [WS-AOC14-SE-8]	B184156	2.14	10.0	08/15/17
17H0533-05 [WS-AOC14-CO-2]	B184156	2.01	10.0	08/15/17
17H0533-06 [WS-AOC14-CO-4]	B184156	2.12	10.0	08/15/17
17H0533-07 [WS-AOC14-CO-5]	B184156	2.16	10.0	08/15/17
17H0533-08 [WS-AOC14-CO-6]	B184156	2.00	10.0	08/15/17
17H0533-09 [WS-AOC14-CO-7]	B184156	2.13	10.0	08/15/17
17H0533-10 [WS-AOC14-CO-8]	B184156	2.03	10.0	08/15/17

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17H0533-01 [WS-AOC14-SE-5]	B184250	6.01	1.00	08/16/17
17H0533-02 [WS-AOC14-SE-6]	B184250	6.05	1.00	08/16/17
17H0533-03 [WS-AOC14-SE-7]	B184250	6.02	1.00	08/16/17
17H0533-04 [WS-AOC14-SE-8]	B184250	6.10	1.00	08/16/17

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QUALITY CONTROL
Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B184250 - SW-846 3546
Blank (B184250-BLK1)

Prepared: 08/16/17 Analyzed: 08/17/17

Acenaphthene	ND	0.17	mg/Kg							
Acenaphthylene	ND	0.17	mg/Kg							
Anthracene	ND	0.17	mg/Kg							
Benzo(a)anthracene	ND	0.17	mg/Kg							
Benzo(a)pyrene	ND	0.17	mg/Kg							
Benzo(b)fluoranthene	ND	0.17	mg/Kg							
Benzo(g,h,i)perylene	ND	0.17	mg/Kg							
Benzo(k)fluoranthene	ND	0.17	mg/Kg							
Chrysene	ND	0.17	mg/Kg							
Dibenz(a,h)anthracene	ND	0.17	mg/Kg							
Fluoranthene	ND	0.17	mg/Kg							
Fluorene	ND	0.17	mg/Kg							
Indeno(1,2,3-cd)pyrene	ND	0.17	mg/Kg							
2-Methylnaphthalene	ND	0.17	mg/Kg							
Naphthalene	ND	0.17	mg/Kg							
Phenanthrene	ND	0.17	mg/Kg							
Pyrene	ND	0.17	mg/Kg							
Surrogate: Nitrobenzene-d5	2.13		mg/Kg	3.33		63.8	30-130			
Surrogate: 2-Fluorobiphenyl	2.44		mg/Kg	3.33		73.2	30-130			
Surrogate: p-Terphenyl-d14	2.77		mg/Kg	3.33		83.2	30-130			

LCS (B184250-BS1)

Prepared: 08/16/17 Analyzed: 08/17/17

Acenaphthene	1.09	0.17	mg/Kg	1.67		65.6	40-140			
Acenaphthylene	0.995	0.17	mg/Kg	1.67		59.7	40-140			
Anthracene	1.03	0.17	mg/Kg	1.67		62.1	40-140			
Benzo(a)anthracene	1.01	0.17	mg/Kg	1.67		60.8	40-140			
Benzo(a)pyrene	1.10	0.17	mg/Kg	1.67		66.1	40-140			
Benzo(b)fluoranthene	0.999	0.17	mg/Kg	1.67		59.9	40-140			
Benzo(g,h,i)perylene	1.08	0.17	mg/Kg	1.67		64.5	40-140			
Benzo(k)fluoranthene	1.10	0.17	mg/Kg	1.67		66.3	40-140			
Chrysene	0.958	0.17	mg/Kg	1.67		57.5	40-140			
Dibenz(a,h)anthracene	1.07	0.17	mg/Kg	1.67		64.3	40-140			
Fluoranthene	1.02	0.17	mg/Kg	1.67		61.4	40-140			
Fluorene	1.02	0.17	mg/Kg	1.67		61.1	40-140			
Indeno(1,2,3-cd)pyrene	1.08	0.17	mg/Kg	1.67		64.9	40-140			
2-Methylnaphthalene	1.10	0.17	mg/Kg	1.67		65.7	40-140			
Naphthalene	1.00	0.17	mg/Kg	1.67		60.0	40-140			
Phenanthrene	1.06	0.17	mg/Kg	1.67		63.9	40-140			
Pyrene	1.12	0.17	mg/Kg	1.67		67.5	40-140			
Surrogate: Nitrobenzene-d5	2.50		mg/Kg	3.33		75.2	30-130			
Surrogate: 2-Fluorobiphenyl	2.31		mg/Kg	3.33		69.3	30-130			
Surrogate: p-Terphenyl-d14	2.30		mg/Kg	3.33		68.9	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 B184250 - SW-846 3546										
LCS Dup (B184250-BSD1)					Prepared: 08/16/17 Analyzed: 08/17/17					
Acenaphthene	1.22	0.17	mg/Kg	1.67		73.2	40-140	11.0	30	
Acenaphthylene	1.18	0.17	mg/Kg	1.67		70.8	40-140	17.0	30	
Anthracene	1.26	0.17	mg/Kg	1.67		75.8	40-140	19.8	30	
Benzo(a)anthracene	1.12	0.17	mg/Kg	1.67		67.5	40-140	10.3	30	
Benzo(a)pyrene	1.34	0.17	mg/Kg	1.67		80.1	40-140	19.2	30	
Benzo(b)fluoranthene	1.29	0.17	mg/Kg	1.67		77.4	40-140	25.4	30	
Benzo(g,h,i)perylene	1.04	0.17	mg/Kg	1.67		62.6	40-140	2.96	30	
Benzo(k)fluoranthene	1.32	0.17	mg/Kg	1.67		79.5	40-140	18.2	30	
Chrysene	1.05	0.17	mg/Kg	1.67		62.8	40-140	8.94	30	
Dibenz(a,h)anthracene	1.08	0.17	mg/Kg	1.67		64.9	40-140	0.836	30	
Fluoranthene	1.35	0.17	mg/Kg	1.67		80.9	40-140	27.3	30	
Fluorene	1.27	0.17	mg/Kg	1.67		76.0	40-140	21.7	30	
Indeno(1,2,3-cd)pyrene	1.11	0.17	mg/Kg	1.67		66.5	40-140	2.37	30	
2-Methylnaphthalene	1.29	0.17	mg/Kg	1.67		77.2	40-140	16.1	30	
Naphthalene	1.15	0.17	mg/Kg	1.67		69.1	40-140	14.0	30	
Phenanthrene	1.27	0.17	mg/Kg	1.67		76.3	40-140	17.7	30	
Pyrene	1.21	0.17	mg/Kg	1.67		72.6	40-140	7.34	30	
Surrogate: Nitrobenzene-d5	2.87		mg/Kg	3.33		86.1	30-130			
Surrogate: 2-Fluorobiphenyl	2.64		mg/Kg	3.33		79.1	30-130			
Surrogate: p-Terphenyl-d14	2.60		mg/Kg	3.33		78.1	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
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Batch B184156 - SW-846 3540C
Blank (B184156-BLK1)

Prepared: 08/15/17 Analyzed: 08/17/17

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	0.993		mg/Kg	1.00		99.3	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.935		mg/Kg	1.00		93.5	30-150			
Surrogate: Tetrachloro-m-xylene	0.814		mg/Kg	1.00		81.4	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.900		mg/Kg	1.00		90.0	30-150			

LCS (B184156-BS1)

Prepared: 08/15/17 Analyzed: 08/17/17

Aroclor-1016	0.81	0.10	mg/Kg	1.00		81.2	40-140			
Aroclor-1016 [2C]	0.91	0.10	mg/Kg	1.00		90.9	40-140			
Aroclor-1260	0.82	0.10	mg/Kg	1.00		82.3	40-140			
Aroclor-1260 [2C]	0.79	0.10	mg/Kg	1.00		79.1	40-140			
Surrogate: Decachlorobiphenyl	0.937		mg/Kg	1.00		93.7	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.883		mg/Kg	1.00		88.3	30-150			
Surrogate: Tetrachloro-m-xylene	0.759		mg/Kg	1.00		75.9	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.843		mg/Kg	1.00		84.3	30-150			

LCS Dup (B184156-BSD1)

Prepared: 08/15/17 Analyzed: 08/17/17

Aroclor-1016	0.88	0.10	mg/Kg	1.00		87.8	40-140	7.77	30	
Aroclor-1016 [2C]	0.99	0.10	mg/Kg	1.00		99.1	40-140	8.57	30	
Aroclor-1260	0.92	0.10	mg/Kg	1.00		92.1	40-140	11.1	30	
Aroclor-1260 [2C]	0.88	0.10	mg/Kg	1.00		88.0	40-140	10.7	30	
Surrogate: Decachlorobiphenyl	1.06		mg/Kg	1.00		106	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.990		mg/Kg	1.00		99.0	30-150			
Surrogate: Tetrachloro-m-xylene	0.818		mg/Kg	1.00		81.8	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.893		mg/Kg	1.00		89.3	30-150			

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QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B184156 - SW-846 3540C										
Matrix Spike (B184156-MS1)	Source: 17H0533-01			Prepared: 08/15/17 Analyzed: 08/17/17						
Aroclor-1016	1.3	0.098	mg/Kg	0.980	ND	132	40-140			
Aroclor-1016 [2C]	1.4	0.098	mg/Kg	0.980	ND	145 *	40-140			MS-21
Aroclor-1260	1.1	0.098	mg/Kg	0.980	0.24	84.9	40-140			
Aroclor-1260 [2C]	1.1	0.098	mg/Kg	0.980	0.23	91.0	40-140			
Surrogate: Decachlorobiphenyl	1.03		mg/Kg	0.980		105	30-150			
Surrogate: Decachlorobiphenyl [2C]	1.16		mg/Kg	0.980		118	30-150			
Surrogate: Tetrachloro-m-xylene	0.818		mg/Kg	0.980		83.5	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.903		mg/Kg	0.980		92.1	30-150			
Matrix Spike Dup (B184156-MSD1)	Source: 17H0533-01			Prepared: 08/15/17 Analyzed: 08/17/17						
Aroclor-1016	1.3	0.10	mg/Kg	1.00	ND	126	40-140	2.84	50	
Aroclor-1016 [2C]	1.4	0.10	mg/Kg	1.00	ND	141 *	40-140	1.30	50	MS-21
Aroclor-1260	0.97	0.10	mg/Kg	1.00	0.24	73.5	40-140	9.57	50	
Aroclor-1260 [2C]	1.1	0.10	mg/Kg	1.00	0.23	86.4	40-140	2.57	50	
Surrogate: Decachlorobiphenyl	0.977		mg/Kg	1.00		97.7	30-150			
Surrogate: Decachlorobiphenyl [2C]	1.05		mg/Kg	1.00		105	30-150			
Surrogate: Tetrachloro-m-xylene	0.873		mg/Kg	1.00		87.3	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.958		mg/Kg	1.00		95.8	30-150			

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 B184119 - SW-846 3546										
Blank (B184119-BLK1)				Prepared & Analyzed: 08/15/17						
CT ETPH	ND	50	mg/Kg							
Surrogate: o-Terphenyl	12.0		mg/Kg	16.7		72.2	50-150			
LCS (B184119-BS1)				Prepared & Analyzed: 08/15/17						
CT ETPH	108	50	mg/Kg	167		64.5	60-120			
Surrogate: o-Terphenyl	12.8		mg/Kg	16.7		77.0	50-150			
LCS Dup (B184119-BSD1)				Prepared & Analyzed: 08/15/17						
CT ETPH	110	50	mg/Kg	167		66.0	60-120	2.25	30	
Surrogate: o-Terphenyl	13.3		mg/Kg	16.7		79.9	50-150			

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC14-SE-5

Lab Sample ID: 17H0533-01 Date(s) Analyzed: 08/17/2017 08/17/2017

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	0.45	
	2	0.000	0.000	0.000	0.51	12.5
Aroclor-1254	1	0.000	0.000	0.000	0.44	
	2	0.000	0.000	0.000	0.57	25.7
Aroclor-1260	1	0.000	0.000	0.000	0.24	
	2	0.000	0.000	0.000	0.23	4.3

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC14-SE-6

Lab Sample ID: 17H0533-02 Date(s) Analyzed: 08/17/2017 08/17/2017

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	0.57	
	2	0.000	0.000	0.000	0.62	8.4
Aroclor-1254	1	0.000	0.000	0.000	0.54	
	2	0.000	0.000	0.000	0.83	42.3
Aroclor-1260	1	0.000	0.000	0.000	0.30	
	2	0.000	0.000	0.000	0.33	9.5

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES***SW-846 8082A***WS-AOC14-SE-7**Lab Sample ID: 17H0533-03 Date(s) Analyzed: 08/17/2017 08/17/2017

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	0.25	
	2	0.000	0.000	0.000	0.30	18.2
Aroclor-1254	1	0.000	0.000	0.000	0.35	
	2	0.000	0.000	0.000	0.42	18.2
Aroclor-1260	1	0.000	0.000	0.000	0.26	
	2	0.000	0.000	0.000	0.29	10.9

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC14-SE-8

Lab Sample ID: 17H0533-04 Date(s) Analyzed: 08/17/2017 08/17/2017

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	0.43	
	2	0.000	0.000	0.000	0.46	6.7
Aroclor-1254	1	0.000	0.000	0.000	0.44	
	2	0.000	0.000	0.000	0.55	22.2
Aroclor-1260	1	0.000	0.000	0.000	0.27	
	2	0.000	0.000	0.000	0.33	20.0

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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.
MS-21	Matrix spike and/or spike duplicate recovery bias high due to contribution of other Aroclors present in the source sample.

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
<i>SW-846 8082A in Product/Solid</i>	
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
<i>SW-846 8270D in Product/Solid</i>	
Acenaphthene	CT,NY,NH,ME,NC,VA
Acenaphthylene	CT,NY,NH,ME,NC,VA
Anthracene	CT,NY,NH,ME,NC,VA
Benzo(a)anthracene	CT,NY,NH,ME,NC,VA
Benzo(a)pyrene	CT,NY,NH,ME,NC,VA
Benzo(b)fluoranthene	CT,NY,NH,ME,NC,VA
Benzo(g,h,i)perylene	CT,NY,NH,ME,NC,VA
Benzo(k)fluoranthene	CT,NY,NH,ME,NC,VA
Chrysene	CT,NY,NH,ME,NC,VA
Dibenz(a,h)anthracene	CT,NY,NH,ME,NC,VA
Fluoranthene	CT,NY,NH,ME,NC,VA
Fluorene	CT,NY,NH,ME,NC,VA
Indeno(1,2,3-cd)pyrene	CT,NY,NH,ME,NC,VA
2-Methylnaphthalene	CT,NY,NH,ME,NC,VA
Naphthalene	CT,NY,NH,ME,NC,VA
Phenanthrene	CT,NY,NH,ME,NC,VA
Pyrene	CT,NY,NH,ME,NC,VA

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

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2005	100033	02/1/2018
MA	Massachusetts DEP	M-MA100	06/30/2018
CT	Connecticut Department of Public 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



Company Name: Weston + Sampson
 Address: 273 Dividend Road, Rocky Hill, CT
 Phone: 860-513-1473
 Project Name: English Station
 Project Location: New Haven
 Project Number:
 Project Manager: Malcolm Beeler
 Con-Test Quote Name/Number:
 Invoice Recipient: Malcolm Beeler
 Sampled By: Will Suetrak

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: beck@amc-ws.com
 Fax To #:

Con-Test Work Order #	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	Matrix Code	Conc Code
1	WS-AOC14-SE-5	8/9/17	930		X	S	U
2	WS-AOC14-SE-6		945		X	S	
3	WS-AOC14-SE-7		1215		X	S	
4	WS-AOC14-SE-8		1230		X	S	
5	WS-AOC14-CO-2		1000			O	
6	WS-AOC14-CO-4		1030				
7	WS-AOC14-CO-5		1200				
8	WS-AOC14-CO-6		1230				
9	WS-AOC14-CO-7		1300				
10	WS-AOC14-CO-8		1330				

Comments:

Run SE-5 thru SE-8 as solids

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) <u>[Signature]</u> 8/9/17	Date/Time: <u>8/9/17</u>	Detection Limit Requirements MA ☐	Special Requirements MA MCP Required ☐
Received by: (signature) <u>[Signature]</u> 8/9/17	Date/Time: <u>1500</u>	MCP Certification Form Required ☐	CT RCP Required ☒
Relinquished by: (signature) <u>[Signature]</u> 8/9/17	Date/Time: <u>1745</u>	RCP Certification Form Required ☐	MA State DW Required ☐
Received by: (signature) <u>[Signature]</u> 8/9/17	Date/Time: <u>1745</u>	PWSID # <u></u>	
Relinquished by: (signature) <u>[Signature]</u>	Date/Time: <u></u>	Project Entity Government ☐ Federal ☐ City ☐	Municipality 21 J ☐ Brownfield ☐
Received by: (signature) <u>[Signature]</u>	Date/Time: <u></u>	MWRA ☐ School ☐ MBTA ☐	Chromatogram ☐ AIHA-LAP, LLC ☐



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 SM Date 8/9/17 Time 1745

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 # Actual Temp - 4.5
By Blahk # 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 Client T Analysis T Sampler Name T
pertinent Information? Project T ID's T Collection Dates/Times T

Are Sample labels filled out and legible? T

Are there Lab to Filters? N/A Who was notified?

Are there Rushes? N/A Who was notified?

Are there Short Holds? N/A Who was notified?

Is there enough Volume? T

Is there Headspace where applicable? N/A MS/MSD? N/A

Proper Media/Containers Used? T Is splitting samples required? N/A

Were trip blanks received? N/A On COC? N/A

Do all samples have the proper pH? N/A Acid Base

Vials	#	Containers:	#	#	#	#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear <u>4</u>
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear <u>6</u>
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\A081517.SEC\A0815043.D

CT ETPH DISCRIMINATION CHECK

Date Acquired 8/15/17
Data File Name A0815043.D
Sample Name ETPH 1500
Instrument Name 5890DFID

Compound	Ret Time	Target Response	Average Response	*%D +/- 20
c - 9	1.28	608894	660897	-8
c - 10	1.63	636609	660897	-4
c - 12	2.35	664043	660897	0
c - 14	3.02	673916	660897	2
c - 16	3.62	685343	660897	4
c - 18	4.23	676312	660897	2
o-Terphenyl	4.52	752988	660897	
c - 20	4.84	684326	660897	4
c - 22	5.34	693182	660897	5
c - 24	5.78	644298	660897	-3
c - 26	6.17	675276	660897	2
c - 28	6.53	664675	660897	1
c - 30	6.86	659186	660897	0
c - 32	7.17	645569	660897	-2
c - 34	7.46	649625	660897	-2
c - 36	7.78	652196	660897	-1

* One compound allowed %D <= 50%

Samples

17H0533-02@5X
17H0533-03@5X

D:\HPCHEM\1\DATA\A081617\A0816006.D

CT ETPH DISCRIMINATION CHECK

Date Acquired 8/16/17
Data File Name A0816006.D
Sample Name ETPH 1500
Instrument Name 5890DFID

Compound	Ret Time	Target Response	Average Response	*%D +/- 20
c - 9	1.29	531325	568682	-7
c - 10	1.64	539659	568682	-5
c - 12	2.37	555392	568682	-2
c - 14	3.04	567428	568682	0
c - 16	3.65	584498	568682	3
c - 18	4.29	582918	568682	3
o-Terphenyl	4.57	655062	568682	
c - 20	4.89	593976	568682	4
c - 22	5.40	607532	568682	7
c - 24	5.84	567752	568682	0
c - 26	6.24	593752	568682	4
c - 28	6.60	579655	568682	2
c - 30	6.93	568902	568682	0
c - 32	7.25	552087	568682	-3
c - 34	7.54	552954	568682	-3
c - 36	7.89	552403	568682	-3

* One compound allowed %D <= 50%

Samples

17R0533-01@5X

D:\HPCHEM\1\DATA\A081617.SEC\A0816007.D

CT ETPH DISCRIMINATION CHECK

Date Acquired 8/16/17
Data File Name A0816007.D
Sample Name ETPH 1500
Instrument Name 5890DFID

Compound	Ret Time	Target Response	Average Response	*%D +/- 20
c - 9	1.28	557509	596330	-7
c - 10	1.63	571411	596330	-4
c - 12	2.34	596431	596330	0
c - 14	3.01	609294	596330	2
c - 16	3.61	623386	596330	5
c - 18	4.23	615556	596330	3
o-Terphenyl	4.51	681312	596330	
c - 20	4.84	619067	596330	4
c - 22	5.34	625989	596330	5
c - 24	5.78	581229	596330	-3
c - 26	6.17	609292	596330	2
c - 28	6.53	598795	596330	0
c - 30	6.86	593331	596330	-1
c - 32	7.17	579061	596330	-3
c - 34	7.46	582075	596330	-2
c - 36	7.78	582525	596330	-2

* One compound allowed %D <= 50%

Samples

17H0533-04@5X



REASONABLE CONFIDENCE PROTOCOL LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name: Con-Test Analytical Laboratory

Client: Weston & Sampson

Project Location: English Station

Project Number: 17H0533

Laboratory Sample ID(s):

17H0533-01 thru 17H0533-10

Sample Date(s):

08/09/2017

List RCP Methods Used:

CTDEP ETPH, SW-846 8082A, SW-846 8270D

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

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

This form may not be altered and all questions must be answered.

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

Authorized Signature:
Position: Director of Operations
Printed Name: Daren J. Damboragian
Date: 08/18/17
Name of Laboratory: Con-Test Analytical Laboratory

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

August 22, 2017

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

Project Location: English Station
Client Job Number:
Project Number: 2170495
Laboratory Work Order Number: 17H0617

Enclosed are results of analyses for samples received by the laboratory on August 10, 2017. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink, appearing to read "James Georgantas", with a long, sweeping horizontal line extending to the right.

James M. Georgantas
Project Manager

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

REPORT DATE: 8/22/2017

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 2170495

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 17H0617

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

PROJECT LOCATION: English Station

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
WS-AOC14-SE-12	17H0617-01	Soil		SM 2540G SW-846 8082A	
WS-AOC14-SE-13	17H0617-02	Soil		SM 2540G SW-846 8082A	
WS-AOC14-SE-14	17H0617-03	Soil		SM 2540G SW-846 8082A	
WS-AOC14-SE-15	17H0617-04	Soil		SM 2540G SW-846 8082A	
WS-AOC14-SE-16	17H0617-05	Soil		SM 2540G SW-846 8082A	
WS-AOC14-SE-17	17H0617-06	Soil		SM 2540G SW-846 8082A	
WS-AOC14-SE-18	17H0617-07	Soil		SM 2540G SW-846 8082A	
WS-AOC14-Co-13	17H0617-08	Concrete		SW-846 8082A	
WS-AOC14-Co-15	17H0617-09	Concrete		SW-846 8082A	
WS-AOC14-Co-18	17H0617-10	Concrete		SW-846 8082A	

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.

A handwritten signature in black ink, appearing to read "Lisa Worthington", is written over a light pink rectangular background.

Lisa A. Worthington
Project Manager

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

Project Location: English Station

Sample Description:

Work Order: 17H0617

Date Received: 8/10/2017

Field Sample #: WS-AOC14-SE-12

Sampled: 8/10/2017 10:30

Sample ID: 17H0617-01

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	0.24	mg/Kg dry	5		SW-846 8082A	8/16/17	8/21/17 18:47	KAL
Aroclor-1221 [1]	ND	0.24	mg/Kg dry	5		SW-846 8082A	8/16/17	8/21/17 18:47	KAL
Aroclor-1232 [1]	ND	0.24	mg/Kg dry	5		SW-846 8082A	8/16/17	8/21/17 18:47	KAL
Aroclor-1242 [1]	ND	0.24	mg/Kg dry	5		SW-846 8082A	8/16/17	8/21/17 18:47	KAL
Aroclor-1248 [1]	0.94	0.24	mg/Kg dry	5		SW-846 8082A	8/16/17	8/21/17 18:47	KAL
Aroclor-1254 [2]	1.2	0.24	mg/Kg dry	5		SW-846 8082A	8/16/17	8/21/17 18:47	KAL
Aroclor-1260 [1]	0.58	0.24	mg/Kg dry	5		SW-846 8082A	8/16/17	8/21/17 18:47	KAL
Aroclor-1262 [1]	ND	0.24	mg/Kg dry	5		SW-846 8082A	8/16/17	8/21/17 18:47	KAL
Aroclor-1268 [1]	ND	0.24	mg/Kg dry	5		SW-846 8082A	8/16/17	8/21/17 18:47	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	75.9	30-150						8/21/17 18:47	
Decachlorobiphenyl [2]	75.9	30-150						8/21/17 18:47	
Tetrachloro-m-xylene [1]	82.8	30-150						8/21/17 18:47	
Tetrachloro-m-xylene [2]	78.6	30-150						8/21/17 18:47	

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Project Location: English Station

Sample Description:

Work Order: 17H0617

Date Received: 8/10/2017

Field Sample #: WS-AOC14-SE-12

Sampled: 8/10/2017 10:30

Sample ID: 17H0617-01

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	42.0		% Wt	1		SM 2540G	8/11/17	8/14/17 8:50	MRL

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Project Location: English Station

Sample Description:

Work Order: 17H0617

Date Received: 8/10/2017

Field Sample #: WS-AOC14-SE-13

Sampled: 8/10/2017 11:08

Sample ID: 17H0617-02

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	0.21	mg/Kg dry	5		SW-846 8082A	8/16/17	8/21/17 19:05	KAL
Aroclor-1221 [1]	ND	0.21	mg/Kg dry	5		SW-846 8082A	8/16/17	8/21/17 19:05	KAL
Aroclor-1232 [1]	ND	0.21	mg/Kg dry	5		SW-846 8082A	8/16/17	8/21/17 19:05	KAL
Aroclor-1242 [1]	ND	0.21	mg/Kg dry	5		SW-846 8082A	8/16/17	8/21/17 19:05	KAL
Aroclor-1248 [1]	0.86	0.21	mg/Kg dry	5		SW-846 8082A	8/16/17	8/21/17 19:05	KAL
Aroclor-1254 [2]	1.2	0.21	mg/Kg dry	5		SW-846 8082A	8/16/17	8/21/17 19:05	KAL
Aroclor-1260 [1]	0.47	0.21	mg/Kg dry	5		SW-846 8082A	8/16/17	8/21/17 19:05	KAL
Aroclor-1262 [1]	ND	0.21	mg/Kg dry	5		SW-846 8082A	8/16/17	8/21/17 19:05	KAL
Aroclor-1268 [1]	ND	0.21	mg/Kg dry	5		SW-846 8082A	8/16/17	8/21/17 19:05	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	72.4	30-150							
Decachlorobiphenyl [2]	68.0	30-150							
Tetrachloro-m-xylene [1]	76.3	30-150							
Tetrachloro-m-xylene [2]	72.7	30-150							

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Project Location: English Station

Sample Description:

Work Order: 17H0617

Date Received: 8/10/2017

Field Sample #: WS-AOC14-SE-13

Sampled: 8/10/2017 11:08

Sample ID: 17H0617-02

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	48.2		% Wt	1		SM 2540G	8/11/17	8/14/17 8:50	MRL

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Project Location: English Station

Sample Description:

Work Order: 17H0617

Date Received: 8/10/2017

Field Sample #: WS-AOC14-SE-14

Sampled: 8/10/2017 11:30

Sample ID: 17H0617-03

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	0.26	mg/Kg dry	5		SW-846 8082A	8/16/17	8/21/17 19:24	KAL
Aroclor-1221 [1]	ND	0.26	mg/Kg dry	5		SW-846 8082A	8/16/17	8/21/17 19:24	KAL
Aroclor-1232 [1]	ND	0.26	mg/Kg dry	5		SW-846 8082A	8/16/17	8/21/17 19:24	KAL
Aroclor-1242 [1]	ND	0.26	mg/Kg dry	5		SW-846 8082A	8/16/17	8/21/17 19:24	KAL
Aroclor-1248 [1]	0.90	0.26	mg/Kg dry	5		SW-846 8082A	8/16/17	8/21/17 19:24	KAL
Aroclor-1254 [2]	1.2	0.26	mg/Kg dry	5		SW-846 8082A	8/16/17	8/21/17 19:24	KAL
Aroclor-1260 [2]	0.38	0.26	mg/Kg dry	5		SW-846 8082A	8/16/17	8/21/17 19:24	KAL
Aroclor-1262 [1]	ND	0.26	mg/Kg dry	5		SW-846 8082A	8/16/17	8/21/17 19:24	KAL
Aroclor-1268 [1]	ND	0.26	mg/Kg dry	5		SW-846 8082A	8/16/17	8/21/17 19:24	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	68.8	30-150							
Decachlorobiphenyl [2]	63.2	30-150							
Tetrachloro-m-xylene [1]	72.4	30-150							
Tetrachloro-m-xylene [2]	69.7	30-150							

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Project Location: English Station

Sample Description:

Work Order: 17H0617

Date Received: 8/10/2017

Field Sample #: WS-AOC14-SE-14

Sampled: 8/10/2017 11:30

Sample ID: 17H0617-03

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	38.1		% Wt	1		SM 2540G	8/11/17	8/14/17 8:50	MRL

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Project Location: English Station

Sample Description:

Work Order: 17H0617

Date Received: 8/10/2017

Field Sample #: WS-AOC14-SE-15

Sampled: 8/10/2017 13:00

Sample ID: 17H0617-04

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	0.31	mg/Kg dry	5		SW-846 8082A	8/16/17	8/21/17 20:32	KAL
Aroclor-1221 [1]	ND	0.31	mg/Kg dry	5		SW-846 8082A	8/16/17	8/21/17 20:32	KAL
Aroclor-1232 [1]	ND	0.31	mg/Kg dry	5		SW-846 8082A	8/16/17	8/21/17 20:32	KAL
Aroclor-1242 [1]	ND	0.31	mg/Kg dry	5		SW-846 8082A	8/16/17	8/21/17 20:32	KAL
Aroclor-1248 [1]	0.67	0.31	mg/Kg dry	5		SW-846 8082A	8/16/17	8/21/17 20:32	KAL
Aroclor-1254 [2]	0.78	0.31	mg/Kg dry	5		SW-846 8082A	8/16/17	8/21/17 20:32	KAL
Aroclor-1260 [1]	0.39	0.31	mg/Kg dry	5		SW-846 8082A	8/16/17	8/21/17 20:32	KAL
Aroclor-1262 [1]	ND	0.31	mg/Kg dry	5		SW-846 8082A	8/16/17	8/21/17 20:32	KAL
Aroclor-1268 [1]	ND	0.31	mg/Kg dry	5		SW-846 8082A	8/16/17	8/21/17 20:32	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	73.0	30-150							
Decachlorobiphenyl [2]	67.9	30-150							
Tetrachloro-m-xylene [1]	78.8	30-150							
Tetrachloro-m-xylene [2]	71.2	30-150							

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Project Location: English Station

Sample Description:

Work Order: 17H0617

Date Received: 8/10/2017

Field Sample #: WS-AOC14-SE-15

Sampled: 8/10/2017 13:00

Sample ID: 17H0617-04

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	32.4		% Wt	1		SM 2540G	8/11/17	8/14/17 8:50	MRL

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Project Location: English Station

Sample Description:

Work Order: 17H0617

Date Received: 8/10/2017

Field Sample #: WS-AOC14-SE-16

Sampled: 8/10/2017 13:15

Sample ID: 17H0617-05

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	0.33	mg/Kg dry	5		SW-846 8082A	8/16/17	8/21/17 20:50	KAL
Aroclor-1221 [1]	ND	0.33	mg/Kg dry	5		SW-846 8082A	8/16/17	8/21/17 20:50	KAL
Aroclor-1232 [1]	ND	0.33	mg/Kg dry	5		SW-846 8082A	8/16/17	8/21/17 20:50	KAL
Aroclor-1242 [1]	ND	0.33	mg/Kg dry	5		SW-846 8082A	8/16/17	8/21/17 20:50	KAL
Aroclor-1248 [1]	0.68	0.33	mg/Kg dry	5		SW-846 8082A	8/16/17	8/21/17 20:50	KAL
Aroclor-1254 [2]	0.85	0.33	mg/Kg dry	5		SW-846 8082A	8/16/17	8/21/17 20:50	KAL
Aroclor-1260 [1]	0.35	0.33	mg/Kg dry	5		SW-846 8082A	8/16/17	8/21/17 20:50	KAL
Aroclor-1262 [1]	ND	0.33	mg/Kg dry	5		SW-846 8082A	8/16/17	8/21/17 20:50	KAL
Aroclor-1268 [1]	ND	0.33	mg/Kg dry	5		SW-846 8082A	8/16/17	8/21/17 20:50	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	79.3	30-150							
Decachlorobiphenyl [2]	72.5	30-150							
Tetrachloro-m-xylene [1]	76.6	30-150							
Tetrachloro-m-xylene [2]	68.2	30-150							

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Project Location: English Station

Sample Description:

Work Order: 17H0617

Date Received: 8/10/2017

Field Sample #: WS-AOC14-SE-16

Sampled: 8/10/2017 13:15

Sample ID: 17H0617-05

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	30.2		% Wt	1		SM 2540G	8/11/17	8/14/17 8:50	MRL

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Project Location: English Station

Sample Description:

Work Order: 17H0617

Date Received: 8/10/2017

Field Sample #: WS-AOC14-SE-17

Sampled: 8/10/2017 13:30

Sample ID: 17H0617-06

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	0.33	mg/Kg dry	5		SW-846 8082A	8/16/17	8/21/17 21:08	KAL
Aroclor-1221 [1]	ND	0.33	mg/Kg dry	5		SW-846 8082A	8/16/17	8/21/17 21:08	KAL
Aroclor-1232 [1]	ND	0.33	mg/Kg dry	5		SW-846 8082A	8/16/17	8/21/17 21:08	KAL
Aroclor-1242 [1]	ND	0.33	mg/Kg dry	5		SW-846 8082A	8/16/17	8/21/17 21:08	KAL
Aroclor-1248 [1]	0.34	0.33	mg/Kg dry	5		SW-846 8082A	8/16/17	8/21/17 21:08	KAL
Aroclor-1254 [1]	ND	0.33	mg/Kg dry	5		SW-846 8082A	8/16/17	8/21/17 21:08	KAL
Aroclor-1260 [1]	ND	0.33	mg/Kg dry	5		SW-846 8082A	8/16/17	8/21/17 21:08	KAL
Aroclor-1262 [1]	ND	0.33	mg/Kg dry	5		SW-846 8082A	8/16/17	8/21/17 21:08	KAL
Aroclor-1268 [1]	ND	0.33	mg/Kg dry	5		SW-846 8082A	8/16/17	8/21/17 21:08	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	66.4	30-150							
Decachlorobiphenyl [2]	58.5	30-150							
Tetrachloro-m-xylene [1]	65.3	30-150							
Tetrachloro-m-xylene [2]	55.4	30-150							

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Project Location: English Station

Sample Description:

Work Order: 17H0617

Date Received: 8/10/2017

Field Sample #: WS-AOC14-SE-17

Sampled: 8/10/2017 13:30

Sample ID: 17H0617-06

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	30.5		% Wt	1		SM 2540G	8/11/17	8/14/17 8:50	MRL

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Project Location: English Station

Sample Description:

Work Order: 17H0617

Date Received: 8/10/2017

Field Sample #: WS-AOC14-SE-18

Sampled: 8/10/2017 13:45

Sample ID: 17H0617-07

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	0.35	mg/Kg dry	5		SW-846 8082A	8/16/17	8/21/17 21:27	KAL
Aroclor-1221 [1]	ND	0.35	mg/Kg dry	5		SW-846 8082A	8/16/17	8/21/17 21:27	KAL
Aroclor-1232 [1]	ND	0.35	mg/Kg dry	5		SW-846 8082A	8/16/17	8/21/17 21:27	KAL
Aroclor-1242 [1]	ND	0.35	mg/Kg dry	5		SW-846 8082A	8/16/17	8/21/17 21:27	KAL
Aroclor-1248 [1]	0.54	0.35	mg/Kg dry	5		SW-846 8082A	8/16/17	8/21/17 21:27	KAL
Aroclor-1254 [1]	0.47	0.35	mg/Kg dry	5		SW-846 8082A	8/16/17	8/21/17 21:27	KAL
Aroclor-1260 [1]	ND	0.35	mg/Kg dry	5		SW-846 8082A	8/16/17	8/21/17 21:27	KAL
Aroclor-1262 [1]	ND	0.35	mg/Kg dry	5		SW-846 8082A	8/16/17	8/21/17 21:27	KAL
Aroclor-1268 [1]	ND	0.35	mg/Kg dry	5		SW-846 8082A	8/16/17	8/21/17 21:27	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	66.9	30-150							
Decachlorobiphenyl [2]	59.9	30-150							
Tetrachloro-m-xylene [1]	69.0	30-150							
Tetrachloro-m-xylene [2]	55.0	30-150							

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Project Location: English Station

Sample Description:

Work Order: 17H0617

Date Received: 8/10/2017

Field Sample #: WS-AOC14-SE-18

Sampled: 8/10/2017 13:45

Sample ID: 17H0617-07

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	28.3		% Wt	1		SM 2540G	8/11/17	8/14/17 8:50	MRL

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Project Location: English Station

Sample Description:

Work Order: 17H0617

Date Received: 8/10/2017

Field Sample #: WS-AOC14-Co-13

Sampled: 8/10/2017 12:30

Sample ID: 17H0617-08

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	0.10	mg/Kg	1		SW-846 8082A	8/16/17	8/19/17 10:23	TG
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/16/17	8/19/17 10:23	TG
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/16/17	8/19/17 10:23	TG
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/16/17	8/19/17 10:23	TG
Aroclor-1248 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/16/17	8/19/17 10:23	TG
Aroclor-1254 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/16/17	8/19/17 10:23	TG
Aroclor-1260 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/16/17	8/19/17 10:23	TG
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/16/17	8/19/17 10:23	TG
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/16/17	8/19/17 10:23	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	74.5	30-150						8/19/17 10:23	
Decachlorobiphenyl [2]	75.9	30-150						8/19/17 10:23	
Tetrachloro-m-xylene [1]	73.9	30-150						8/19/17 10:23	
Tetrachloro-m-xylene [2]	79.1	30-150						8/19/17 10:23	

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Project Location: English Station

Sample Description:

Work Order: 17H0617

Date Received: 8/10/2017

Field Sample #: WS-AOC14-Co-15

Sampled: 8/10/2017 14:30

Sample ID: 17H0617-09

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	0.10	mg/Kg	1		SW-846 8082A	8/16/17	8/19/17 10:41	TG
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/16/17	8/19/17 10:41	TG
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/16/17	8/19/17 10:41	TG
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/16/17	8/19/17 10:41	TG
Aroclor-1248 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/16/17	8/19/17 10:41	TG
Aroclor-1254 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/16/17	8/19/17 10:41	TG
Aroclor-1260 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/16/17	8/19/17 10:41	TG
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/16/17	8/19/17 10:41	TG
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/16/17	8/19/17 10:41	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	75.5	30-150						8/19/17 10:41	
Decachlorobiphenyl [2]	78.5	30-150						8/19/17 10:41	
Tetrachloro-m-xylene [1]	80.9	30-150						8/19/17 10:41	
Tetrachloro-m-xylene [2]	87.4	30-150						8/19/17 10:41	

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Project Location: English Station

Sample Description:

Work Order: 17H0617

Date Received: 8/10/2017

Field Sample #: WS-AOC14-Co-18

Sampled: 8/10/2017 14:50

Sample ID: 17H0617-10

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	0.10	mg/Kg	1		SW-846 8082A	8/16/17	8/19/17 10:58	TG
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/16/17	8/19/17 10:58	TG
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/16/17	8/19/17 10:58	TG
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/16/17	8/19/17 10:58	TG
Aroclor-1248 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/16/17	8/19/17 10:58	TG
Aroclor-1254 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/16/17	8/19/17 10:58	TG
Aroclor-1260 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/16/17	8/19/17 10:58	TG
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/16/17	8/19/17 10:58	TG
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/16/17	8/19/17 10:58	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	76.2	30-150						8/19/17 10:58	
Decachlorobiphenyl [2]	89.5	30-150						8/19/17 10:58	
Tetrachloro-m-xylene [1]	80.8	30-150						8/19/17 10:58	
Tetrachloro-m-xylene [2]	84.6	30-150						8/19/17 10:58	

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Sample Extraction Data**Prep Method: % Solids-SM 2540G**

Lab Number [Field ID]	Batch	Date
17H0617-01 [WS-AOC14-SE-12]	B183882	08/11/17
17H0617-02 [WS-AOC14-SE-13]	B183882	08/11/17
17H0617-03 [WS-AOC14-SE-14]	B183882	08/11/17
17H0617-04 [WS-AOC14-SE-15]	B183882	08/11/17
17H0617-05 [WS-AOC14-SE-16]	B183882	08/11/17
17H0617-06 [WS-AOC14-SE-17]	B183882	08/11/17
17H0617-07 [WS-AOC14-SE-18]	B183882	08/11/17

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17H0617-08 [WS-AOC14-Co-13]	B184283	2.00	10.0	08/16/17
17H0617-09 [WS-AOC14-Co-15]	B184283	2.00	10.0	08/16/17
17H0617-10 [WS-AOC14-Co-18]	B184283	2.00	10.0	08/16/17

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17H0617-01 [WS-AOC14-SE-12]	B184282	10.0	10.0	08/16/17
17H0617-02 [WS-AOC14-SE-13]	B184282	10.0	10.0	08/16/17
17H0617-03 [WS-AOC14-SE-14]	B184282	10.0	10.0	08/16/17
17H0617-04 [WS-AOC14-SE-15]	B184282	10.0	10.0	08/16/17
17H0617-05 [WS-AOC14-SE-16]	B184282	10.0	10.0	08/16/17
17H0617-06 [WS-AOC14-SE-17]	B184282	10.0	10.0	08/16/17
17H0617-07 [WS-AOC14-SE-18]	B184282	10.0	10.0	08/16/17

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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
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Batch B184282 - SW-846 3540C
Blank (B184282-BLK1)

Prepared: 08/16/17 Analyzed: 08/21/17

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	0.177		mg/Kg wet	0.200		88.3	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.174		mg/Kg wet	0.200		87.1	30-150			
Surrogate: Tetrachloro-m-xylene	0.162		mg/Kg wet	0.200		80.9	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.150		mg/Kg wet	0.200		75.0	30-150			

LCS (B184282-BS1)

Prepared: 08/16/17 Analyzed: 08/21/17

Aroclor-1016	0.16	0.020	mg/Kg wet	0.200		80.0	40-140			
Aroclor-1016 [2C]	0.17	0.020	mg/Kg wet	0.200		82.7	40-140			
Aroclor-1260	0.15	0.020	mg/Kg wet	0.200		72.7	40-140			
Aroclor-1260 [2C]	0.15	0.020	mg/Kg wet	0.200		73.4	40-140			
Surrogate: Decachlorobiphenyl	0.172		mg/Kg wet	0.200		86.2	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.170		mg/Kg wet	0.200		84.9	30-150			
Surrogate: Tetrachloro-m-xylene	0.164		mg/Kg wet	0.200		82.1	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.156		mg/Kg wet	0.200		78.0	30-150			

LCS Dup (B184282-BSD1)

Prepared: 08/16/17 Analyzed: 08/21/17

Aroclor-1016	0.17	0.020	mg/Kg wet	0.200		83.5	40-140	4.29	30	
Aroclor-1016 [2C]	0.17	0.020	mg/Kg wet	0.200		85.1	40-140	2.82	30	
Aroclor-1260	0.15	0.020	mg/Kg wet	0.200		76.9	40-140	5.67	30	
Aroclor-1260 [2C]	0.15	0.020	mg/Kg wet	0.200		77.3	40-140	5.26	30	
Surrogate: Decachlorobiphenyl	0.184		mg/Kg wet	0.200		92.1	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.182		mg/Kg wet	0.200		91.0	30-150			
Surrogate: Tetrachloro-m-xylene	0.174		mg/Kg wet	0.200		87.0	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.163		mg/Kg wet	0.200		81.3	30-150			

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QUALITY CONTROL
Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B184283 - SW-846 3540C
Blank (B184283-BLK1)

Prepared: 08/16/17 Analyzed: 08/19/17

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	0.889		mg/Kg	1.00		88.9	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.914		mg/Kg	1.00		91.4	30-150			
Surrogate: Tetrachloro-m-xylene	0.943		mg/Kg	1.00		94.3	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.986		mg/Kg	1.00		98.6	30-150			

LCS (B184283-BS1)

Prepared: 08/16/17 Analyzed: 08/19/17

Aroclor-1016	0.94	0.10	mg/Kg	1.00		93.9	40-140			
Aroclor-1016 [2C]	0.91	0.10	mg/Kg	1.00		91.2	40-140			
Aroclor-1260	0.81	0.10	mg/Kg	1.00		80.7	40-140			
Aroclor-1260 [2C]	0.80	0.10	mg/Kg	1.00		79.6	40-140			
Surrogate: Decachlorobiphenyl	0.894		mg/Kg	1.00		89.4	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.915		mg/Kg	1.00		91.5	30-150			
Surrogate: Tetrachloro-m-xylene	0.937		mg/Kg	1.00		93.7	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.985		mg/Kg	1.00		98.5	30-150			

LCS Dup (B184283-BSD1)

Prepared: 08/16/17 Analyzed: 08/19/17

Aroclor-1016	0.92	0.10	mg/Kg	1.00		91.6	40-140	2.54	30	
Aroclor-1016 [2C]	0.91	0.10	mg/Kg	1.00		91.3	40-140	0.0915	30	
Aroclor-1260	0.80	0.10	mg/Kg	1.00		80.0	40-140	0.963	30	
Aroclor-1260 [2C]	0.77	0.10	mg/Kg	1.00		77.0	40-140	3.33	30	
Surrogate: Decachlorobiphenyl	0.879		mg/Kg	1.00		87.9	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.907		mg/Kg	1.00		90.7	30-150			
Surrogate: Tetrachloro-m-xylene	0.905		mg/Kg	1.00		90.5	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.948		mg/Kg	1.00		94.8	30-150			

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC14-SE-12

Lab Sample ID: 17H0617-01 Date(s) Analyzed: 08/21/2017 08/21/2017

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-1248	1	0.000	-0.030	0.030	0.94	
	2	0.000	-0.030	0.030	0.84	11.2
Aroclor-1254	1	0.000	-0.030	0.030	1.1	
	2	0.000	-0.030	0.030	1.2	8.7
Aroclor-1260	1	0.000	-0.030	0.030	0.58	
	2	0.000	-0.030	0.030	0.56	3.5

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC14-SE-13

Lab Sample ID: 17H0617-02 Date(s) Analyzed: 08/21/2017 08/21/2017

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-1248	1	0.000	-0.030	0.030	0.86	
	2	0.000	-0.030	0.030	0.76	12.3
Aroclor-1254	1	0.000	-0.030	0.030	1.1	
	2	0.000	-0.030	0.030	1.2	8.7
Aroclor-1260	1	0.000	-0.030	0.030	0.47	
	2	0.000	-0.030	0.030	0.46	2.2

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC14-SE-14

Lab Sample ID: 17H0617-03 Date(s) Analyzed: 08/21/2017 08/21/2017

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-1248	1	0.000	-0.030	0.030	0.90	
	2	0.000	-0.030	0.030	0.84	6.9
Aroclor-1254	1	0.000	-0.030	0.030	1.1	
	2	0.000	-0.030	0.030	1.2	8.7
Aroclor-1260	1	0.000	-0.030	0.030	0.35	
	2	0.000	-0.030	0.030	0.38	8.2

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC14-SE-15

Lab Sample ID: 17H0617-04 Date(s) Analyzed: 08/21/2017 08/21/2017

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-1248	1	0.000	-0.030	0.030	0.67	
	2	0.000	-0.030	0.030	0.64	4.6
Aroclor-1254	1	0.000	-0.030	0.030	0.67	
	2	0.000	-0.030	0.030	0.78	15.2
Aroclor-1260	1	0.000	-0.030	0.030	0.39	
	2	0.000	-0.030	0.030	0.37	5.3

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES***SW-846 8082A***WS-AOC14-SE-16**Lab Sample ID: 17H0617-05 Date(s) Analyzed: 08/21/2017 08/21/2017

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-1248	1	0.000	-0.030	0.030	0.68	
	2	0.000	-0.030	0.030	0.64	6.1
Aroclor-1254	1	0.000	-0.030	0.030	0.73	
	2	0.000	-0.030	0.030	0.85	15.2

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC14-SE-18

Lab Sample ID: 17H0617-07 Date(s) Analyzed: 08/21/2017 08/21/2017

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-1248	1	0.000	-0.030	0.030	0.54	
	2	0.000	-0.030	0.030	0.39	32.3
Aroclor-1254	1	0.000	-0.030	0.030	0.47	
	2	0.000	-0.030	0.030	0.45	4.4

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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.

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
<i>SW-846 8082A in Product/Solid</i>	
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
<i>SW-846 8082A in Soil</i>	
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

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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 Public 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



Phone: 413-525-2332

Fax: 413-525-6405

Email: info@contestlabs.com

Company Name: Weston + SampsonAddress: 273 Divichem Rd - Rocky HillPhone: 860-513-1473Project Name: English StationProject Location: New HavenProject Number: Project Manager: Malcolm BeecherCon-Test Quote Name/Number: Invoice Recipient: Malcolm BeecherSampled By: Will SiewiakClient Sample ID / Description: WS-AOC14-SE-12Beginning Date/Time: 8/10/17Ending Date/Time: 1030Conc Code: 5Matrix Code: 1Grab Code: 1Composite: 1Conc Code: 5Matrix Code: 1Grab Code: 1Composite: 1Conc Code: 5Matrix Code: 1Grab Code: 1Composite: 1Conc Code: 5Matrix Code: 1Grab Code: 1Composite: 1Conc Code: 5Matrix Code: 1Grab Code: 1Composite: 1Conc Code: 5Matrix Code: 1Grab Code: 1Composite: 1Conc Code: 5Matrix Code: 1Grab Code: 1Composite: 1Conc Code: 5Matrix Code: 1Grab Code: 1Composite: 1

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)
Soxhlet

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)

4 Dissolved Metals Samples
Field Filtered
Lab to Filter

5 Orthophosphate Samples
Field Filtered
Lab to Filter

6 PCB ONLY
Soxhlet
Non Soxhlet



MA State DW Required

MA MCP Required

MCP Certification Form Required

CT RCP Required

RCP Certification Form Required

MA State DW Required

PWSID #

Project Entity

Government

Federal

City

Municipality

21 J

Brownfield

MWRA

School

MBTA

WRMA

Chromatogram

AIHA-LAP, LLC

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 A.F. Date 8/10/17 Time 1740

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 Client T Analysis T Sampler Name T
pertinent Information? 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	7
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb Clear	3
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: English Station

Project Number: 17H0617

Laboratory Sample ID(s):

17H0617-01 thru 17H0617-10

Sample Date(s):

08/10/2017

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:
Position: Project Manager
Printed Name: Lisa A. Worthington
Date: 08/22/17
Name of Laboratory: Con-Test Analytical Laboratory

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

August 24, 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: 17H0711

Enclosed are results of analyses for samples received by the laboratory on August 11, 2017. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink, reading "James Georgantas". The signature is fluid and cursive, with a long horizontal stroke extending to the right.

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: 8/24/2017

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 2170495

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 17H0711

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

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

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
WS-AOC14-SE-19	17H0711-01	Soil		SM 2540G SW-846 8082A	
WS-AOC14-SE-20	17H0711-02	Soil		SM 2540G SW-846 8082A	
WS-AOC14-SE-21	17H0711-03	Soil		SM 2540G SW-846 8082A	
WS-AOC14-SE-22	17H0711-04	Soil		SM 2540G SW-846 8082A	
WS-AOC14-SE-23	17H0711-05	Soil		SM 2540G SW-846 8082A	
WS-AOC14-SE-24	17H0711-06	Soil		SM 2540G SW-846 8082A	
WS-AOC14-SE-25	17H0711-07	Soil		SM 2540G SW-846 8082A	
WS-AOC14-SE-26	17H0711-08	Soil		SM 2540G SW-846 8082A	
WS-AOC14-SE-27	17H0711-09	Soil		SM 2540G SW-846 8082A	
WS-AOC14-SE-28	17H0711-10	Soil		SM 2540G SW-846 8082A	
WS-AOC14-Co-26	17H0711-11	Product/Solid		SW-846 8082A	
WS-AOC14-SE-Dup-1	17H0711-12	Soil		SM 2540G SW-846 8082A	
Equipment Blank-38	17H0711-13	Equipment Blank Water		SW-846 8082A	
Equipment Blank-39	17H0711-14	Equipment Blank Water		SW-846 8082A	

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CASE NARRATIVE SUMMARY

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

SW-846 8082A

Qualifications:

P-01

Result was confirmed using a dissimilar column. Relative percent difference between the two results was >40%. In accordance with the method, the higher result was reported.

Analyte & Samples(s) Qualified:

Aroclor-1254 [2C]

17H0711-04[WS-AOC14-SE-22], 17H0711-05[WS-AOC14-SE-23], 17H0711-12[WS-AOC14-SE-Dup-1]

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.

I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

A handwritten signature in black ink, appearing to read "Lisa Worthington", is written over a light gray rectangular background.

Lisa A. Worthington
Project Manager

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

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

Sample Description:

Work Order: 17H0711

Date Received: 8/11/2017

Field Sample #: WS-AOC14-SE-19

Sampled: 8/11/2017 09:00

Sample ID: 17H0711-01

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	0.20	mg/Kg dry	5		SW-846 8082A	8/19/17	8/24/17 4:36	KAL
Aroclor-1221 [1]	ND	0.20	mg/Kg dry	5		SW-846 8082A	8/19/17	8/24/17 4:36	KAL
Aroclor-1232 [1]	ND	0.20	mg/Kg dry	5		SW-846 8082A	8/19/17	8/24/17 4:36	KAL
Aroclor-1242 [1]	ND	0.20	mg/Kg dry	5		SW-846 8082A	8/19/17	8/24/17 4:36	KAL
Aroclor-1248 [1]	ND	0.20	mg/Kg dry	5		SW-846 8082A	8/19/17	8/24/17 4:36	KAL
Aroclor-1254 [1]	ND	0.20	mg/Kg dry	5		SW-846 8082A	8/19/17	8/24/17 4:36	KAL
Aroclor-1260 [1]	ND	0.20	mg/Kg dry	5		SW-846 8082A	8/19/17	8/24/17 4:36	KAL
Aroclor-1262 [1]	ND	0.20	mg/Kg dry	5		SW-846 8082A	8/19/17	8/24/17 4:36	KAL
Aroclor-1268 [1]	ND	0.20	mg/Kg dry	5		SW-846 8082A	8/19/17	8/24/17 4:36	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	42.5	30-150							
Decachlorobiphenyl [2]	38.0	30-150							
Tetrachloro-m-xylene [1]	30.7	30-150							
Tetrachloro-m-xylene [2]	31.2	30-150							

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

Sample Description:

Work Order: 17H0711

Date Received: 8/11/2017

Field Sample #: WS-AOC14-SE-19

Sampled: 8/11/2017 09:00

Sample ID: 17H0711-01

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	50.7		% Wt	1		SM 2540G	8/16/17	8/17/17 5:58	MRL

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

Sample Description:

Work Order: 17H0711

Date Received: 8/11/2017

Field Sample #: WS-AOC14-SE-20

Sampled: 8/11/2017 09:15

Sample ID: 17H0711-02

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	0.23	mg/Kg dry	5		SW-846 8082A	8/19/17	8/24/17 4:54	KAL
Aroclor-1221 [1]	ND	0.23	mg/Kg dry	5		SW-846 8082A	8/19/17	8/24/17 4:54	KAL
Aroclor-1232 [1]	ND	0.23	mg/Kg dry	5		SW-846 8082A	8/19/17	8/24/17 4:54	KAL
Aroclor-1242 [1]	ND	0.23	mg/Kg dry	5		SW-846 8082A	8/19/17	8/24/17 4:54	KAL
Aroclor-1248 [1]	ND	0.23	mg/Kg dry	5		SW-846 8082A	8/19/17	8/24/17 4:54	KAL
Aroclor-1254 [1]	ND	0.23	mg/Kg dry	5		SW-846 8082A	8/19/17	8/24/17 4:54	KAL
Aroclor-1260 [2]	0.31	0.23	mg/Kg dry	5		SW-846 8082A	8/19/17	8/24/17 4:54	KAL
Aroclor-1262 [1]	ND	0.23	mg/Kg dry	5		SW-846 8082A	8/19/17	8/24/17 4:54	KAL
Aroclor-1268 [1]	ND	0.23	mg/Kg dry	5		SW-846 8082A	8/19/17	8/24/17 4:54	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	77.4	30-150						8/24/17 4:54	
Decachlorobiphenyl [2]	69.4	30-150						8/24/17 4:54	
Tetrachloro-m-xylene [1]	60.5	30-150						8/24/17 4:54	
Tetrachloro-m-xylene [2]	59.3	30-150						8/24/17 4:54	

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

Sample Description:

Work Order: 17H0711

Date Received: 8/11/2017

Field Sample #: WS-AOC14-SE-20

Sampled: 8/11/2017 09:15

Sample ID: 17H0711-02

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	42.8		% Wt	1		SM 2540G	8/16/17	8/17/17 5:58	MRL

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

Sample Description:

Work Order: 17H0711

Date Received: 8/11/2017

Field Sample #: WS-AOC14-SE-21

Sampled: 8/11/2017 09:30

Sample ID: 17H0711-03

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	0.24	mg/Kg dry	5		SW-846 8082A	8/19/17	8/24/17 5:13	KAL
Aroclor-1221 [1]	ND	0.24	mg/Kg dry	5		SW-846 8082A	8/19/17	8/24/17 5:13	KAL
Aroclor-1232 [1]	ND	0.24	mg/Kg dry	5		SW-846 8082A	8/19/17	8/24/17 5:13	KAL
Aroclor-1242 [1]	ND	0.24	mg/Kg dry	5		SW-846 8082A	8/19/17	8/24/17 5:13	KAL
Aroclor-1248 [2]	0.29	0.24	mg/Kg dry	5		SW-846 8082A	8/19/17	8/24/17 5:13	KAL
Aroclor-1254 [2]	0.33	0.24	mg/Kg dry	5		SW-846 8082A	8/19/17	8/24/17 5:13	KAL
Aroclor-1260 [1]	ND	0.24	mg/Kg dry	5		SW-846 8082A	8/19/17	8/24/17 5:13	KAL
Aroclor-1262 [1]	ND	0.24	mg/Kg dry	5		SW-846 8082A	8/19/17	8/24/17 5:13	KAL
Aroclor-1268 [1]	ND	0.24	mg/Kg dry	5		SW-846 8082A	8/19/17	8/24/17 5:13	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	96.3	30-150							
Decachlorobiphenyl [2]	89.0	30-150							
Tetrachloro-m-xylene [1]	76.1	30-150							
Tetrachloro-m-xylene [2]	74.7	30-150							

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

Sample Description:

Work Order: 17H0711

Date Received: 8/11/2017

Field Sample #: WS-AOC14-SE-21

Sampled: 8/11/2017 09:30

Sample ID: 17H0711-03

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	42.3		% Wt	1		SM 2540G	8/16/17	8/17/17 5:58	MRL

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

Sample Description:

Work Order: 17H0711

Date Received: 8/11/2017

Field Sample #: WS-AOC14-SE-22

Sampled: 8/11/2017 09:45

Sample ID: 17H0711-04

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	0.25	mg/Kg dry	5		SW-846 8082A	8/19/17	8/24/17 5:31	KAL
Aroclor-1221 [1]	ND	0.25	mg/Kg dry	5		SW-846 8082A	8/19/17	8/24/17 5:31	KAL
Aroclor-1232 [1]	ND	0.25	mg/Kg dry	5		SW-846 8082A	8/19/17	8/24/17 5:31	KAL
Aroclor-1242 [1]	ND	0.25	mg/Kg dry	5		SW-846 8082A	8/19/17	8/24/17 5:31	KAL
Aroclor-1248 [1]	ND	0.25	mg/Kg dry	5		SW-846 8082A	8/19/17	8/24/17 5:31	KAL
Aroclor-1254 [2]	0.37	0.25	mg/Kg dry	5	P-01	SW-846 8082A	8/19/17	8/24/17 5:31	KAL
Aroclor-1260 [1]	ND	0.25	mg/Kg dry	5		SW-846 8082A	8/19/17	8/24/17 5:31	KAL
Aroclor-1262 [1]	ND	0.25	mg/Kg dry	5		SW-846 8082A	8/19/17	8/24/17 5:31	KAL
Aroclor-1268 [1]	ND	0.25	mg/Kg dry	5		SW-846 8082A	8/19/17	8/24/17 5:31	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	78.9	30-150							
Decachlorobiphenyl [2]	69.7	30-150							
Tetrachloro-m-xylene [1]	61.6	30-150							
Tetrachloro-m-xylene [2]	61.2	30-150							

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

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

Sample Description:

Work Order: 17H0711

Date Received: 8/11/2017

Field Sample #: WS-AOC14-SE-22

Sampled: 8/11/2017 09:45

Sample ID: 17H0711-04

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	40.7		% Wt	1		SM 2540G	8/16/17	8/17/17 5:58	MRL

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

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

Sample Description:

Work Order: 17H0711

Date Received: 8/11/2017

Field Sample #: WS-AOC14-SE-23

Sampled: 8/11/2017 11:00

Sample ID: 17H0711-05

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	0.26	mg/Kg dry	5		SW-846 8082A	8/19/17	8/24/17 5:49	KAL
Aroclor-1221 [1]	ND	0.26	mg/Kg dry	5		SW-846 8082A	8/19/17	8/24/17 5:49	KAL
Aroclor-1232 [1]	ND	0.26	mg/Kg dry	5		SW-846 8082A	8/19/17	8/24/17 5:49	KAL
Aroclor-1242 [1]	ND	0.26	mg/Kg dry	5		SW-846 8082A	8/19/17	8/24/17 5:49	KAL
Aroclor-1248 [1]	ND	0.26	mg/Kg dry	5		SW-846 8082A	8/19/17	8/24/17 5:49	KAL
Aroclor-1254 [2]	0.38	0.26	mg/Kg dry	5	P-01	SW-846 8082A	8/19/17	8/24/17 5:49	KAL
Aroclor-1260 [1]	ND	0.26	mg/Kg dry	5		SW-846 8082A	8/19/17	8/24/17 5:49	KAL
Aroclor-1262 [1]	ND	0.26	mg/Kg dry	5		SW-846 8082A	8/19/17	8/24/17 5:49	KAL
Aroclor-1268 [1]	ND	0.26	mg/Kg dry	5		SW-846 8082A	8/19/17	8/24/17 5:49	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	98.0	30-150							
Decachlorobiphenyl [2]	84.4	30-150							
Tetrachloro-m-xylene [1]	76.1	30-150							
Tetrachloro-m-xylene [2]	76.1	30-150							

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

Sample Description:

Work Order: 17H0711

Date Received: 8/11/2017

Field Sample #: WS-AOC14-SE-23

Sampled: 8/11/2017 11:00

Sample ID: 17H0711-05

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	38.0		% Wt	1		SM 2540G	8/16/17	8/17/17 5:58	MRL

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

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

Sample Description:

Work Order: 17H0711

Date Received: 8/11/2017

Field Sample #: WS-AOC14-SE-24

Sampled: 8/11/2017 11:30

Sample ID: 17H0711-06

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	0.19	mg/Kg dry	5		SW-846 8082A	8/19/17	8/24/17 6:08	KAL
Aroclor-1221 [1]	ND	0.19	mg/Kg dry	5		SW-846 8082A	8/19/17	8/24/17 6:08	KAL
Aroclor-1232 [1]	ND	0.19	mg/Kg dry	5		SW-846 8082A	8/19/17	8/24/17 6:08	KAL
Aroclor-1242 [1]	ND	0.19	mg/Kg dry	5		SW-846 8082A	8/19/17	8/24/17 6:08	KAL
Aroclor-1248 [1]	ND	0.19	mg/Kg dry	5		SW-846 8082A	8/19/17	8/24/17 6:08	KAL
Aroclor-1254 [2]	0.23	0.19	mg/Kg dry	5		SW-846 8082A	8/19/17	8/24/17 6:08	KAL
Aroclor-1260 [1]	0.20	0.19	mg/Kg dry	5		SW-846 8082A	8/19/17	8/24/17 6:08	KAL
Aroclor-1262 [1]	ND	0.19	mg/Kg dry	5		SW-846 8082A	8/19/17	8/24/17 6:08	KAL
Aroclor-1268 [1]	ND	0.19	mg/Kg dry	5		SW-846 8082A	8/19/17	8/24/17 6:08	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	102	30-150						8/24/17 6:08	
Decachlorobiphenyl [2]	87.4	30-150						8/24/17 6:08	
Tetrachloro-m-xylene [1]	83.0	30-150						8/24/17 6:08	
Tetrachloro-m-xylene [2]	82.0	30-150						8/24/17 6:08	

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

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

Sample Description:

Work Order: 17H0711

Date Received: 8/11/2017

Field Sample #: WS-AOC14-SE-24

Sampled: 8/11/2017 11:30

Sample ID: 17H0711-06

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	51.6		% Wt	1		SM 2540G	8/16/17	8/17/17 5:58	MRL

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

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

Sample Description:

Work Order: 17H0711

Date Received: 8/11/2017

Field Sample #: WS-AOC14-SE-25

Sampled: 8/11/2017 12:00

Sample ID: 17H0711-07

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	0.22	mg/Kg dry	5		SW-846 8082A	8/19/17	8/24/17 6:26	KAL
Aroclor-1221 [1]	ND	0.22	mg/Kg dry	5		SW-846 8082A	8/19/17	8/24/17 6:26	KAL
Aroclor-1232 [1]	ND	0.22	mg/Kg dry	5		SW-846 8082A	8/19/17	8/24/17 6:26	KAL
Aroclor-1242 [1]	ND	0.22	mg/Kg dry	5		SW-846 8082A	8/19/17	8/24/17 6:26	KAL
Aroclor-1248 [1]	ND	0.22	mg/Kg dry	5		SW-846 8082A	8/19/17	8/24/17 6:26	KAL
Aroclor-1254 [1]	ND	0.22	mg/Kg dry	5		SW-846 8082A	8/19/17	8/24/17 6:26	KAL
Aroclor-1260 [1]	0.34	0.22	mg/Kg dry	5		SW-846 8082A	8/19/17	8/24/17 6:26	KAL
Aroclor-1262 [1]	ND	0.22	mg/Kg dry	5		SW-846 8082A	8/19/17	8/24/17 6:26	KAL
Aroclor-1268 [1]	ND	0.22	mg/Kg dry	5		SW-846 8082A	8/19/17	8/24/17 6:26	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	110	30-150							
Decachlorobiphenyl [2]	93.1	30-150							
Tetrachloro-m-xylene [1]	96.4	30-150							
Tetrachloro-m-xylene [2]	89.8	30-150							

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

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

Sample Description:

Work Order: 17H0711

Date Received: 8/11/2017

Field Sample #: WS-AOC14-SE-25

Sampled: 8/11/2017 12:00

Sample ID: 17H0711-07

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	44.7		% Wt	1		SM 2540G	8/16/17	8/17/17 5:58	MRL

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

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

Sample Description:

Work Order: 17H0711

Date Received: 8/11/2017

Field Sample #: WS-AOC14-SE-26

Sampled: 8/11/2017 12:30

Sample ID: 17H0711-08

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	0.36	mg/Kg dry	5		SW-846 8082A	8/19/17	8/24/17 6:44	KAL
Aroclor-1221 [1]	ND	0.36	mg/Kg dry	5		SW-846 8082A	8/19/17	8/24/17 6:44	KAL
Aroclor-1232 [1]	ND	0.36	mg/Kg dry	5		SW-846 8082A	8/19/17	8/24/17 6:44	KAL
Aroclor-1242 [1]	ND	0.36	mg/Kg dry	5		SW-846 8082A	8/19/17	8/24/17 6:44	KAL
Aroclor-1248 [2]	0.85	0.36	mg/Kg dry	5		SW-846 8082A	8/19/17	8/24/17 6:44	KAL
Aroclor-1254 [2]	1.0	0.36	mg/Kg dry	5		SW-846 8082A	8/19/17	8/24/17 6:44	KAL
Aroclor-1260 [2]	0.51	0.36	mg/Kg dry	5		SW-846 8082A	8/19/17	8/24/17 6:44	KAL
Aroclor-1262 [1]	ND	0.36	mg/Kg dry	5		SW-846 8082A	8/19/17	8/24/17 6:44	KAL
Aroclor-1268 [1]	ND	0.36	mg/Kg dry	5		SW-846 8082A	8/19/17	8/24/17 6:44	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	92.4	30-150						8/24/17 6:44	
Decachlorobiphenyl [2]	79.6	30-150						8/24/17 6:44	
Tetrachloro-m-xylene [1]	82.8	30-150						8/24/17 6:44	
Tetrachloro-m-xylene [2]	80.0	30-150						8/24/17 6:44	

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

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

Sample Description:

Work Order: 17H0711

Date Received: 8/11/2017

Field Sample #: WS-AOC14-SE-26

Sampled: 8/11/2017 12:30

Sample ID: 17H0711-08

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	27.9		% Wt	1		SM 2540G	8/16/17	8/17/17 5:58	MRL

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

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

Sample Description:

Work Order: 17H0711

Date Received: 8/11/2017

Field Sample #: WS-AOC14-SE-27

Sampled: 8/11/2017 12:45

Sample ID: 17H0711-09

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	0.29	mg/Kg dry	5		SW-846 8082A	8/19/17	8/24/17 7:03	KAL
Aroclor-1221 [1]	ND	0.29	mg/Kg dry	5		SW-846 8082A	8/19/17	8/24/17 7:03	KAL
Aroclor-1232 [1]	ND	0.29	mg/Kg dry	5		SW-846 8082A	8/19/17	8/24/17 7:03	KAL
Aroclor-1242 [1]	ND	0.29	mg/Kg dry	5		SW-846 8082A	8/19/17	8/24/17 7:03	KAL
Aroclor-1248 [1]	1.3	0.29	mg/Kg dry	5		SW-846 8082A	8/19/17	8/24/17 7:03	KAL
Aroclor-1254 [2]	1.3	0.29	mg/Kg dry	5		SW-846 8082A	8/19/17	8/24/17 7:03	KAL
Aroclor-1260 [2]	0.53	0.29	mg/Kg dry	5		SW-846 8082A	8/19/17	8/24/17 7:03	KAL
Aroclor-1262 [1]	ND	0.29	mg/Kg dry	5		SW-846 8082A	8/19/17	8/24/17 7:03	KAL
Aroclor-1268 [1]	ND	0.29	mg/Kg dry	5		SW-846 8082A	8/19/17	8/24/17 7:03	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	100	30-150						8/24/17 7:03	
Decachlorobiphenyl [2]	85.1	30-150						8/24/17 7:03	
Tetrachloro-m-xylene [1]	88.2	30-150						8/24/17 7:03	
Tetrachloro-m-xylene [2]	84.8	30-150						8/24/17 7:03	

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

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

Sample Description:

Work Order: 17H0711

Date Received: 8/11/2017

Field Sample #: WS-AOC14-SE-27

Sampled: 8/11/2017 12:45

Sample ID: 17H0711-09

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	34.8		% Wt	1		SM 2540G	8/16/17	8/17/17 5:58	MRL

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

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

Sample Description:

Work Order: 17H0711

Date Received: 8/11/2017

Field Sample #: WS-AOC14-SE-28

Sampled: 8/11/2017 13:00

Sample ID: 17H0711-10

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	0.32	mg/Kg dry	5		SW-846 8082A	8/19/17	8/24/17 7:21	KAL
Aroclor-1221 [1]	ND	0.32	mg/Kg dry	5		SW-846 8082A	8/19/17	8/24/17 7:21	KAL
Aroclor-1232 [1]	ND	0.32	mg/Kg dry	5		SW-846 8082A	8/19/17	8/24/17 7:21	KAL
Aroclor-1242 [1]	ND	0.32	mg/Kg dry	5		SW-846 8082A	8/19/17	8/24/17 7:21	KAL
Aroclor-1248 [1]	0.94	0.32	mg/Kg dry	5		SW-846 8082A	8/19/17	8/24/17 7:21	KAL
Aroclor-1254 [2]	1.1	0.32	mg/Kg dry	5		SW-846 8082A	8/19/17	8/24/17 7:21	KAL
Aroclor-1260 [2]	0.58	0.32	mg/Kg dry	5		SW-846 8082A	8/19/17	8/24/17 7:21	KAL
Aroclor-1262 [1]	ND	0.32	mg/Kg dry	5		SW-846 8082A	8/19/17	8/24/17 7:21	KAL
Aroclor-1268 [1]	ND	0.32	mg/Kg dry	5		SW-846 8082A	8/19/17	8/24/17 7:21	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	88.4	30-150						8/24/17 7:21	
Decachlorobiphenyl [2]	77.1	30-150						8/24/17 7:21	
Tetrachloro-m-xylene [1]	80.5	30-150						8/24/17 7:21	
Tetrachloro-m-xylene [2]	78.1	30-150						8/24/17 7:21	

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

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

Sample Description:

Work Order: 17H0711

Date Received: 8/11/2017

Field Sample #: WS-AOC14-SE-28

Sampled: 8/11/2017 13:00

Sample ID: 17H0711-10

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	31.4		% Wt	1		SM 2540G	8/16/17	8/17/17 5:58	MRL

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

Sample Description:

Work Order: 17H0711

Date Received: 8/11/2017

Field Sample #: WS-AOC14-Co-26

Sampled: 8/11/2017 14:00

Sample ID: 17H0711-11

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	8/16/17	8/19/17 14:14	TG
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/16/17	8/19/17 14:14	TG
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/16/17	8/19/17 14:14	TG
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/16/17	8/19/17 14:14	TG
Aroclor-1248 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/16/17	8/19/17 14:14	TG
Aroclor-1254 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/16/17	8/19/17 14:14	TG
Aroclor-1260 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/16/17	8/19/17 14:14	TG
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/16/17	8/19/17 14:14	TG
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/16/17	8/19/17 14:14	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	84.0	30-150						8/19/17 14:14	
Decachlorobiphenyl [2]	83.3	30-150						8/19/17 14:14	
Tetrachloro-m-xylene [1]	79.8	30-150						8/19/17 14:14	
Tetrachloro-m-xylene [2]	94.4	30-150						8/19/17 14:14	

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

Sample Description:

Work Order: 17H0711

Date Received: 8/11/2017

Field Sample #: WS-AOC14-SE-Dup-1

Sampled: 8/11/2017 00:00

Sample ID: 17H0711-12

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	0.25	mg/Kg dry	5		SW-846 8082A	8/19/17	8/24/17 7:39	KAL
Aroclor-1221 [1]	ND	0.25	mg/Kg dry	5		SW-846 8082A	8/19/17	8/24/17 7:39	KAL
Aroclor-1232 [1]	ND	0.25	mg/Kg dry	5		SW-846 8082A	8/19/17	8/24/17 7:39	KAL
Aroclor-1242 [1]	ND	0.25	mg/Kg dry	5		SW-846 8082A	8/19/17	8/24/17 7:39	KAL
Aroclor-1248 [1]	ND	0.25	mg/Kg dry	5		SW-846 8082A	8/19/17	8/24/17 7:39	KAL
Aroclor-1254 [2]	0.61	0.25	mg/Kg dry	5	P-01	SW-846 8082A	8/19/17	8/24/17 7:39	KAL
Aroclor-1260 [1]	0.32	0.25	mg/Kg dry	5		SW-846 8082A	8/19/17	8/24/17 7:39	KAL
Aroclor-1262 [1]	ND	0.25	mg/Kg dry	5		SW-846 8082A	8/19/17	8/24/17 7:39	KAL
Aroclor-1268 [1]	ND	0.25	mg/Kg dry	5		SW-846 8082A	8/19/17	8/24/17 7:39	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	108	30-150							
Decachlorobiphenyl [2]	93.7	30-150							
Tetrachloro-m-xylene [1]	82.2	30-150							
Tetrachloro-m-xylene [2]	80.4	30-150							

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

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

Sample Description:

Work Order: 17H0711

Date Received: 8/11/2017

Field Sample #: WS-AOC14-SE-Dup-1

Sampled: 8/11/2017 00:00

Sample ID: 17H0711-12

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	39.7		% Wt	1		SM 2540G	8/16/17	8/17/17 5:58	MRL

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

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

Sample Description:

Work Order: 17H0711

Date Received: 8/11/2017

Field Sample #: Equipment Blank-38

Sampled: 8/11/2017 14:15

Sample ID: 17H0711-13

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	8/17/17	8/19/17 16:17	KAL
Aroclor-1221 [1]	ND	0.20	µg/L	1		SW-846 8082A	8/17/17	8/19/17 16:17	KAL
Aroclor-1232 [1]	ND	0.20	µg/L	1		SW-846 8082A	8/17/17	8/19/17 16:17	KAL
Aroclor-1242 [1]	ND	0.20	µg/L	1		SW-846 8082A	8/17/17	8/19/17 16:17	KAL
Aroclor-1248 [1]	ND	0.20	µg/L	1		SW-846 8082A	8/17/17	8/19/17 16:17	KAL
Aroclor-1254 [1]	ND	0.20	µg/L	1		SW-846 8082A	8/17/17	8/19/17 16:17	KAL
Aroclor-1260 [1]	ND	0.20	µg/L	1		SW-846 8082A	8/17/17	8/19/17 16:17	KAL
Aroclor-1262 [1]	ND	0.20	µg/L	1		SW-846 8082A	8/17/17	8/19/17 16:17	KAL
Aroclor-1268 [1]	ND	0.20	µg/L	1		SW-846 8082A	8/17/17	8/19/17 16:17	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	45.5	30-150							
Decachlorobiphenyl [2]	49.3	30-150							
Tetrachloro-m-xylene [1]	86.2	30-150							
Tetrachloro-m-xylene [2]	97.1	30-150							

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

Sample Description:

Work Order: 17H0711

Date Received: 8/11/2017

Field Sample #: Equipment Blank-39

Sampled: 8/11/2017 14:20

Sample ID: 17H0711-14

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	8/17/17	8/19/17 16:29	KAL
Aroclor-1221 [1]	ND	0.20	µg/L	1		SW-846 8082A	8/17/17	8/19/17 16:29	KAL
Aroclor-1232 [1]	ND	0.20	µg/L	1		SW-846 8082A	8/17/17	8/19/17 16:29	KAL
Aroclor-1242 [1]	ND	0.20	µg/L	1		SW-846 8082A	8/17/17	8/19/17 16:29	KAL
Aroclor-1248 [1]	ND	0.20	µg/L	1		SW-846 8082A	8/17/17	8/19/17 16:29	KAL
Aroclor-1254 [1]	ND	0.20	µg/L	1		SW-846 8082A	8/17/17	8/19/17 16:29	KAL
Aroclor-1260 [1]	ND	0.20	µg/L	1		SW-846 8082A	8/17/17	8/19/17 16:29	KAL
Aroclor-1262 [1]	ND	0.20	µg/L	1		SW-846 8082A	8/17/17	8/19/17 16:29	KAL
Aroclor-1268 [1]	ND	0.20	µg/L	1		SW-846 8082A	8/17/17	8/19/17 16:29	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	64.6	30-150							
Decachlorobiphenyl [2]	71.4	30-150							
Tetrachloro-m-xylene [1]	87.7	30-150							
Tetrachloro-m-xylene [2]	97.2	30-150							

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
17H0711-01 [WS-AOC14-SE-19]	B184244	08/16/17
17H0711-02 [WS-AOC14-SE-20]	B184244	08/16/17
17H0711-03 [WS-AOC14-SE-21]	B184244	08/16/17
17H0711-04 [WS-AOC14-SE-22]	B184244	08/16/17
17H0711-05 [WS-AOC14-SE-23]	B184244	08/16/17
17H0711-06 [WS-AOC14-SE-24]	B184244	08/16/17
17H0711-07 [WS-AOC14-SE-25]	B184244	08/16/17
17H0711-08 [WS-AOC14-SE-26]	B184244	08/16/17
17H0711-09 [WS-AOC14-SE-27]	B184244	08/16/17
17H0711-10 [WS-AOC14-SE-28]	B184244	08/16/17
17H0711-12 [WS-AOC14-SE-Dup-1]	B184244	08/16/17

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17H0711-11 [WS-AOC14-Co-26]	B184283	2.00	10.0	08/16/17

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17H0711-01 [WS-AOC14-SE-19]	B184498	10.0	10.0	08/19/17
17H0711-02 [WS-AOC14-SE-20]	B184498	10.0	10.0	08/19/17
17H0711-03 [WS-AOC14-SE-21]	B184498	10.0	10.0	08/19/17
17H0711-04 [WS-AOC14-SE-22]	B184498	10.0	10.0	08/19/17
17H0711-05 [WS-AOC14-SE-23]	B184498	10.0	10.0	08/19/17
17H0711-06 [WS-AOC14-SE-24]	B184498	10.0	10.0	08/19/17
17H0711-07 [WS-AOC14-SE-25]	B184498	10.0	10.0	08/19/17
17H0711-08 [WS-AOC14-SE-26]	B184498	10.0	10.0	08/19/17
17H0711-09 [WS-AOC14-SE-27]	B184498	10.0	10.0	08/19/17
17H0711-10 [WS-AOC14-SE-28]	B184498	10.0	10.0	08/19/17
17H0711-12 [WS-AOC14-SE-Dup-1]	B184498	10.0	10.0	08/19/17

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

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
17H0711-13 [Equipment Blank-38]	B184311	1000	10.0	08/17/17
17H0711-14 [Equipment Blank-39]	B184311	1000	10.0	08/17/17

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
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Batch B184311 - SW-846 3510C
Blank (B184311-BLK1)

Prepared: 08/17/17 Analyzed: 08/19/17

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	1.92		µg/L	2.00		96.0	30-150			
Surrogate: Decachlorobiphenyl [2C]	2.15		µg/L	2.00		108	30-150			
Surrogate: Tetrachloro-m-xylene	1.87		µg/L	2.00		93.6	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	2.11		µg/L	2.00		106	30-150			

LCS (B184311-BS1)

Prepared: 08/17/17 Analyzed: 08/19/17

Aroclor-1016	0.52	0.20	µg/L	0.500		105	40-140			
Aroclor-1016 [2C]	0.54	0.20	µg/L	0.500		108	40-140			
Aroclor-1260	0.45	0.20	µg/L	0.500		90.4	40-140			
Aroclor-1260 [2C]	0.45	0.20	µg/L	0.500		90.0	40-140			
Surrogate: Decachlorobiphenyl	1.83		µg/L	2.00		91.3	30-150			
Surrogate: Decachlorobiphenyl [2C]	2.03		µg/L	2.00		102	30-150			
Surrogate: Tetrachloro-m-xylene	1.87		µg/L	2.00		93.3	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	2.12		µg/L	2.00		106	30-150			

LCS Dup (B184311-BS1)

Prepared: 08/17/17 Analyzed: 08/19/17

Aroclor-1016	0.56	0.20	µg/L	0.500		112	40-140	6.92	20	
Aroclor-1016 [2C]	0.58	0.20	µg/L	0.500		116	40-140	6.58	20	
Aroclor-1260	0.47	0.20	µg/L	0.500		94.1	40-140	4.05	20	
Aroclor-1260 [2C]	0.48	0.20	µg/L	0.500		96.9	40-140	7.39	20	
Surrogate: Decachlorobiphenyl	1.89		µg/L	2.00		94.4	30-150			
Surrogate: Decachlorobiphenyl [2C]	2.11		µg/L	2.00		106	30-150			
Surrogate: Tetrachloro-m-xylene	1.87		µg/L	2.00		93.3	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	2.12		µg/L	2.00		106	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
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Batch B184283 - SW-846 3540C
Blank (B184283-BLK1)

Prepared: 08/16/17 Analyzed: 08/19/17

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	0.889		mg/Kg	1.00		88.9	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.914		mg/Kg	1.00		91.4	30-150			
Surrogate: Tetrachloro-m-xylene	0.943		mg/Kg	1.00		94.3	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.986		mg/Kg	1.00		98.6	30-150			

LCS (B184283-BS1)

Prepared: 08/16/17 Analyzed: 08/19/17

Aroclor-1016	0.94	0.10	mg/Kg	1.00		93.9	40-140			
Aroclor-1016 [2C]	0.91	0.10	mg/Kg	1.00		91.2	40-140			
Aroclor-1260	0.81	0.10	mg/Kg	1.00		80.7	40-140			
Aroclor-1260 [2C]	0.80	0.10	mg/Kg	1.00		79.6	40-140			
Surrogate: Decachlorobiphenyl	0.894		mg/Kg	1.00		89.4	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.915		mg/Kg	1.00		91.5	30-150			
Surrogate: Tetrachloro-m-xylene	0.937		mg/Kg	1.00		93.7	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.985		mg/Kg	1.00		98.5	30-150			

LCS Dup (B184283-BSD1)

Prepared: 08/16/17 Analyzed: 08/19/17

Aroclor-1016	0.92	0.10	mg/Kg	1.00		91.6	40-140	2.54	30	
Aroclor-1016 [2C]	0.91	0.10	mg/Kg	1.00		91.3	40-140	0.0915	30	
Aroclor-1260	0.80	0.10	mg/Kg	1.00		80.0	40-140	0.963	30	
Aroclor-1260 [2C]	0.77	0.10	mg/Kg	1.00		77.0	40-140	3.33	30	
Surrogate: Decachlorobiphenyl	0.879		mg/Kg	1.00		87.9	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.907		mg/Kg	1.00		90.7	30-150			
Surrogate: Tetrachloro-m-xylene	0.905		mg/Kg	1.00		90.5	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.948		mg/Kg	1.00		94.8	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
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Batch B184498 - SW-846 3540C
Blank (B184498-BLK1)

Prepared: 08/19/17 Analyzed: 08/24/17

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	0.188		mg/Kg wet	0.200		94.2	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.149		mg/Kg wet	0.200		74.5	30-150			
Surrogate: Tetrachloro-m-xylene	0.152		mg/Kg wet	0.200		75.8	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.140		mg/Kg wet	0.200		69.8	30-150			

LCS (B184498-BS1)

Prepared: 08/19/17 Analyzed: 08/24/17

Aroclor-1016	0.16	0.020	mg/Kg wet	0.200		78.9	40-140			
Aroclor-1016 [2C]	0.15	0.020	mg/Kg wet	0.200		75.1	40-140			
Aroclor-1260	0.15	0.020	mg/Kg wet	0.200		73.9	40-140			
Aroclor-1260 [2C]	0.13	0.020	mg/Kg wet	0.200		63.1	40-140			
Surrogate: Decachlorobiphenyl	0.176		mg/Kg wet	0.200		88.0	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.140		mg/Kg wet	0.200		70.1	30-150			
Surrogate: Tetrachloro-m-xylene	0.156		mg/Kg wet	0.200		78.2	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.146		mg/Kg wet	0.200		73.1	30-150			

LCS Dup (B184498-BSD1)

Prepared: 08/19/17 Analyzed: 08/24/17

Aroclor-1016	0.16	0.020	mg/Kg wet	0.200		78.0	40-140	1.14	30	
Aroclor-1016 [2C]	0.15	0.020	mg/Kg wet	0.200		73.6	40-140	2.00	30	
Aroclor-1260	0.15	0.020	mg/Kg wet	0.200		73.8	40-140	0.0948	30	
Aroclor-1260 [2C]	0.13	0.020	mg/Kg wet	0.200		64.6	40-140	2.32	30	
Surrogate: Decachlorobiphenyl	0.174		mg/Kg wet	0.200		87.0	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.137		mg/Kg wet	0.200		68.7	30-150			
Surrogate: Tetrachloro-m-xylene	0.155		mg/Kg wet	0.200		77.7	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.144		mg/Kg wet	0.200		72.0	30-150			

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QUALITY CONTROL
Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B184244 - % Solids

Duplicate (B184244-DUP7)		Source: 17H0711-01		Prepared: 08/16/17 Analyzed: 08/17/17						
% Solids	58.6		% Wt		50.7			14.5	20	
Duplicate (B184244-DUP8)		Source: 17H0711-02		Prepared: 08/16/17 Analyzed: 08/17/17						
% Solids	37.2		% Wt		42.8			14.0	20	

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES****WS-AOC14-SE-20***SW-846 8082A*

Lab Sample ID: 17H0711-02 Date(s) Analyzed: 08/24/2017 08/24/2017
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	0.31	10.2

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES***SW-846 8082A***WS-AOC14-SE-21**

Lab Sample ID: 17H0711-03 Date(s) Analyzed: 08/24/2017 08/24/2017
Instrument ID (1): _____ Instrument ID (2): _____
GC Column (1): _____ ID: _____ (mm) GC Column (2): _____ ID: _____ (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1248	1	0.000	-0.030	0.030	0.24	
	2	0.000	-0.030	0.030	0.29	18.9

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES****WS-AOC14-SE-24***SW-846 8082A*Lab Sample ID: 17H0711-06 Date(s) Analyzed: 08/24/2017 08/24/2017

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	0.23	14.0

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES***SW-846 8082A***WS-AOC14-SE-25**Lab Sample ID: 17H0711-07 Date(s) Analyzed: 08/24/2017 08/24/2017

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	-0.030	0.030	0.34	
	2	0.000	-0.030	0.030	0.32	6.1

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC14-SE-26

Lab Sample ID: 17H0711-08 Date(s) Analyzed: 08/24/2017 08/24/2017

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1248	1	0.000	-0.030	0.030	0.84	
	2	0.000	-0.030	0.030	0.85	1.2
Aroclor-1254	1	0.000	-0.030	0.030	0.91	
	2	0.000	-0.030	0.030	1.0	9.4
Aroclor-1260	1	0.000	-0.030	0.030	0.48	
	2	0.000	-0.030	0.030	0.51	6.1

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC14-SE-27

Lab Sample ID: 17H0711-09 Date(s) Analyzed: 08/24/2017 08/24/2017

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1248	1	0.000	-0.030	0.030	1.3	
	2	0.000	-0.030	0.030	1.3	0.0
Aroclor-1254	1	0.000	-0.030	0.030	1.2	
	2	0.000	-0.030	0.030	1.3	8.0
Aroclor-1260	1	0.000	-0.030	0.030	0.51	
	2	0.000	-0.030	0.030	0.53	3.9

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES***SW-846 8082A***WS-AOC14-SE-28**Lab Sample ID: 17H0711-10 Date(s) Analyzed: 08/24/2017 08/24/2017

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1248	1	0.000	-0.030	0.030	0.94	
	2	0.000	-0.030	0.030	0.90	4.4
Aroclor-1254	1	0.000	-0.030	0.030	0.95	
	2	0.000	-0.030	0.030	1.1	14.6
Aroclor-1260	1	0.000	-0.030	0.030	0.51	
	2	0.000	-0.030	0.030	0.58	12.8

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC14-SE-Dup-1

Lab Sample ID: 17H0711-12 Date(s) Analyzed: 08/24/2017 08/24/2017

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	0.40	
	2	0.000	-0.030	0.030	0.61	41.6
Aroclor-1260	1	0.000	-0.030	0.030	0.32	
	2	0.000	-0.030	0.030	0.31	3.2

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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-01	Result was confirmed using a dissimilar column. Relative percent difference between the two results was >40%. In accordance with the method, the higher result was reported.

CERTIFICATIONS
Certified Analyses included in this Report

Analyte	Certifications
<i>SW-846 8082A in Product/Solid</i>	
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
<i>SW-846 8082A in Soil</i>	
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
<i>SW-846 8082A in Water</i>	
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

CERTIFICATIONS

Certified Analyses included in this Report

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

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

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2005	100033	02/1/2018
MA	Massachusetts DEP	M-MA100	06/30/2018
CT	Connecticut Department of Public 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



Phone: 413-525-2332

Fax: 413-525-6405

Email: info@contestlabs.com

Weston & Sampson

273 Dividend Rd, Rocky Hill, CT

Phone: 860-513-1473

English Station

510 Grand Ave, New Haven, CT

2170495

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 #:	

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	Matrix Code	Conc Code
11	WS-AOC14-Co-26	8/11/17	1400	X	X	O	C
12	WS-AOC14-SE-Dep1			X	X	S	C
13	Equipment Blank - 38		1415	X	X	N	C
14	Equipment Blank - 39		1430	X	X	N	C

Comments:

Please use the following codes to indicate possible sample concentration within the Conc Code column above:

Please hold excess volumes for possible SPLP analyses.

H - High; M - Medium; L - Low; C - Clean; U - Unknown

Retinquished by: (signature)	Date/Time:	Detection Limit Requirements		Special Requirements	
		MA	MA MCP Required	MCP Certification Form Required	MA MCP Required
Retinquished by: (signature)	8/11/17 14:45				
Retinquished by: (signature)	8/11/17 14:45				
Retinquished by: (signature)	8/11/17 18:02				
Retinquished by: (signature)	8/11/17 18:02				
Retinquished by: (signature)	8/11/17 18:02				
Retinquished by: (signature)	8/11/17 18:02				



Project Entity		Other	
☐ Government	☐ Municipality	☐ MWRA	☐ Chromatogram
☐ Federal	☐ 21 J	☐ School	☐ AIHA-LAP, LLC
☐ City	☐ Brownfield	☐ MBTA	

39 Spruce St.
East Longmeadow, MA. 01028
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F: 413-525-6405
www.contestlabs.com



con-test®
ANALYTICAL LABORATORY

Doc# 277 Rev 5 2017

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

Client Weston & Sampson

Received By JM Date 8/11/17 Time 1802

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 - 5.0
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 Client T Analysis T Sampler Name T
pertinent Information? Project T ID's T Collection Dates/Times T

Are Sample labels filled out and legible? T

Are there Lab to Filters? N/A Who was notified?

Are there Rushes? N/A Who was notified?

Are there Short Holds? N/A Who was notified?

Is there enough Volume? T

Is there Headspace where applicable? N/A MS/MSD? N/A

Proper Media/Containers Used? T Is splitting samples required? N/A

Were trip blanks received? N/A On COC? N/A

Do all samples have the proper pH? N/A Acid Base

Vials	#	Containers:	#	#	#	#
Unp-		1 Liter Amb.	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
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: 17H0711

Laboratory Sample ID(s):
17H0711-01 thru 17H0711-14

Sample Date(s):
08/11/2017

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:
Position: Project Manager
Printed Name: Lisa A. Worthington
Date: 08/24/17
Name of Laboratory: Con-Test Analytical Laboratory

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

August 28, 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: 17H0854

Enclosed are results of analyses for samples received by the laboratory on August 15, 2017. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink, appearing to read "James Georgantas", with a long horizontal flourish extending to the right.

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: 8/28/2017

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 2170495

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 17H0854

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-14-SE-29	17H0854-01	Soil		SM 2540G SW-846 8082A	
WS-AOC-14-SE-30	17H0854-02	Soil		SM 2540G SW-846 8082A	
WS-AOC-14-SE-31	17H0854-03	Soil		SM 2540G SW-846 8082A	
WS-AOC-14-SE-32	17H0854-04	Soil		SM 2540G SW-846 8082A	
WS-AOC-14-SE-33	17H0854-05	Soil		SM 2540G SW-846 8082A	
EB-40	17H0854-06	Equipment Blank Water		SW-846 8082A	
EB-41	17H0854-07	Equipment Blank Water		SW-846 8082A	
WS-AOC-8-AS-1	17H0854-08	Product/Solid		SW-846 8082A	
WS-AOC-8-AS-2	17H0854-09	Product/Solid		SW-846 8082A	
WS-AOC-8-AS-5	17H0854-10	Product/Solid		SW-846 8082A	
WS-AOC-8-CO-20	17H0854-11	Concrete		SW-846 8082A	
WS-AOC-8-CO-21	17H0854-12	Concrete		SW-846 8082A	
WS-AOC-8-CO-19	17H0854-13	Concrete		SW-846 8082A	
WS-AOC-8-CO-18	17H0854-14	Concrete		SW-846 8082A	
WS-AOC-8-CO-17	17H0854-15	Concrete		SW-846 8082A	
WS-AOC-8-CO-16	17H0854-16	Concrete		SW-846 8082A	
WS-AOC-8-CO-DUP-9	17H0854-17	Concrete		SW-846 8082A	
WS-AOC-7-CO-31	17H0854-18	Concrete		SW-846 8082A	
WS-AOC-7-CO-39	17H0854-19	Concrete		SW-846 8082A	
WS-AOC-7-CO-38	17H0854-20	Concrete		SW-846 8082A	
WS-AOC-7-CO-34	17H0854-21	Concrete		SW-846 8082A	
WS-AOC-7-CO-35	17H0854-22	Concrete		SW-846 8082A	
WS-AOC-7-CO-37	17H0854-23	Concrete		SW-846 8082A	
WS-AOC-7-CO-DUP-8	17H0854-24	Concrete		SW-846 8082A	

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:

17H0854-09RE1[WS-AOC-8-AS-2]

P-01

Result was confirmed using a dissimilar column. Relative percent difference between the two results was >40%. In accordance with the method, the higher result was reported.

Analyte & Samples(s) Qualified:**Aroclor-1260 [2C]**

17H0854-03[WS-AOC-14-SE-31]

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**

17H0854-01[WS-AOC-14-SE-29], 17H0854-02[WS-AOC-14-SE-30], 17H0854-03[WS-AOC-14-SE-31], 17H0854-04[WS-AOC-14-SE-32], 17H0854-05[WS-AOC-14-SE-33], B184281-BLK1, B184281-BS1, B184281-BSD1

Aroclor-1016 [2C]

17H0854-01[WS-AOC-14-SE-29], 17H0854-02[WS-AOC-14-SE-30], 17H0854-03[WS-AOC-14-SE-31], 17H0854-04[WS-AOC-14-SE-32], 17H0854-05[WS-AOC-14-SE-33], B184281-BLK1, B184281-BS1, B184281-BSD1

Aroclor-1260

17H0854-01[WS-AOC-14-SE-29], 17H0854-02[WS-AOC-14-SE-30], 17H0854-03[WS-AOC-14-SE-31], 17H0854-04[WS-AOC-14-SE-32], 17H0854-05[WS-AOC-14-SE-33], B184281-BLK1, B184281-BS1, B184281-BSD1

Aroclor-1260 [2C]

17H0854-01[WS-AOC-14-SE-29], 17H0854-02[WS-AOC-14-SE-30], 17H0854-03[WS-AOC-14-SE-31], 17H0854-04[WS-AOC-14-SE-32], 17H0854-05[WS-AOC-14-SE-33], B184281-BLK1, B184281-BS1, B184281-BSD1

V-06

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

Analyte & Samples(s) Qualified:**Aroclor-1260 [2C]**

B184578-MS1, B184578-MS2, B184578-MSD1, B184578-MSD2

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.

A handwritten signature in black ink, appearing to read "Lisa Worthington", is written over a light pink rectangular background.

Lisa A. Worthington
Project Manager

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

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

Sample Description:

Work Order: 17H0854

Date Received: 8/15/2017

Field Sample #: WS-AOC-14-SE-29

Sampled: 8/14/2017 12:30

Sample ID: 17H0854-01

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	0.33	mg/Kg dry	5	R-05	SW-846 8082A	8/16/17	8/21/17 18:20	KAL
Aroclor-1221 [1]	ND	0.33	mg/Kg dry	5		SW-846 8082A	8/16/17	8/21/17 18:20	KAL
Aroclor-1232 [1]	ND	0.33	mg/Kg dry	5		SW-846 8082A	8/16/17	8/21/17 18:20	KAL
Aroclor-1242 [1]	ND	0.33	mg/Kg dry	5		SW-846 8082A	8/16/17	8/21/17 18:20	KAL
Aroclor-1248 [2]	1.9	0.33	mg/Kg dry	5		SW-846 8082A	8/16/17	8/21/17 18:20	KAL
Aroclor-1254 [2]	2.1	0.33	mg/Kg dry	5		SW-846 8082A	8/16/17	8/21/17 18:20	KAL
Aroclor-1260 [2]	0.87	0.33	mg/Kg dry	5	R-05	SW-846 8082A	8/16/17	8/21/17 18:20	KAL
Aroclor-1262 [1]	ND	0.33	mg/Kg dry	5		SW-846 8082A	8/16/17	8/21/17 18:20	KAL
Aroclor-1268 [1]	ND	0.33	mg/Kg dry	5		SW-846 8082A	8/16/17	8/21/17 18:20	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	76.1	30-150						8/21/17 18:20	
Decachlorobiphenyl [2]	85.0	30-150						8/21/17 18:20	
Tetrachloro-m-xylene [1]	88.7	30-150						8/21/17 18:20	
Tetrachloro-m-xylene [2]	97.7	30-150						8/21/17 18:20	

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

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

Sample Description:

Work Order: 17H0854

Date Received: 8/15/2017

Field Sample #: WS-AOC-14-SE-29

Sampled: 8/14/2017 12:30

Sample ID: 17H0854-01

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	30.0		% Wt	1		SM 2540G	8/17/17	8/18/17 6:57	MRL

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

Sample Description:

Work Order: 17H0854

Date Received: 8/15/2017

Field Sample #: WS-AOC-14-SE-30

Sampled: 8/14/2017 13:00

Sample ID: 17H0854-02

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	0.32	mg/Kg dry	5	R-05	SW-846 8082A	8/16/17	8/21/17 18:38	KAL
Aroclor-1221 [1]	ND	0.32	mg/Kg dry	5		SW-846 8082A	8/16/17	8/21/17 18:38	KAL
Aroclor-1232 [1]	ND	0.32	mg/Kg dry	5		SW-846 8082A	8/16/17	8/21/17 18:38	KAL
Aroclor-1242 [1]	ND	0.32	mg/Kg dry	5		SW-846 8082A	8/16/17	8/21/17 18:38	KAL
Aroclor-1248 [2]	0.50	0.32	mg/Kg dry	5		SW-846 8082A	8/16/17	8/21/17 18:38	KAL
Aroclor-1254 [2]	0.65	0.32	mg/Kg dry	5		SW-846 8082A	8/16/17	8/21/17 18:38	KAL
Aroclor-1260 [2]	0.47	0.32	mg/Kg dry	5	R-05	SW-846 8082A	8/16/17	8/21/17 18:38	KAL
Aroclor-1262 [1]	ND	0.32	mg/Kg dry	5		SW-846 8082A	8/16/17	8/21/17 18:38	KAL
Aroclor-1268 [1]	ND	0.32	mg/Kg dry	5		SW-846 8082A	8/16/17	8/21/17 18:38	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	71.6	30-150							
Decachlorobiphenyl [2]	87.8	30-150							
Tetrachloro-m-xylene [1]	84.0	30-150							
Tetrachloro-m-xylene [2]	95.1	30-150							

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

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

Sample Description:

Work Order: 17H0854

Date Received: 8/15/2017

Field Sample #: WS-AOC-14-SE-30

Sampled: 8/14/2017 13:00

Sample ID: 17H0854-02

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	31.0		% Wt	1		SM 2540G	8/17/17	8/18/17 6:57	MRL

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

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

Sample Description:

Work Order: 17H0854

Date Received: 8/15/2017

Field Sample #: WS-AOC-14-SE-31

Sampled: 8/14/2017 13:30

Sample ID: 17H0854-03

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	0.34	mg/Kg dry	5	R-05	SW-846 8082A	8/16/17	8/21/17 18:56	KAL
Aroclor-1221 [1]	ND	0.34	mg/Kg dry	5		SW-846 8082A	8/16/17	8/21/17 18:56	KAL
Aroclor-1232 [1]	ND	0.34	mg/Kg dry	5		SW-846 8082A	8/16/17	8/21/17 18:56	KAL
Aroclor-1242 [1]	ND	0.34	mg/Kg dry	5		SW-846 8082A	8/16/17	8/21/17 18:56	KAL
Aroclor-1248 [2]	0.52	0.34	mg/Kg dry	5		SW-846 8082A	8/16/17	8/21/17 18:56	KAL
Aroclor-1254 [2]	0.57	0.34	mg/Kg dry	5		SW-846 8082A	8/16/17	8/21/17 18:56	KAL
Aroclor-1260 [2]	0.50	0.34	mg/Kg dry	5	P-01, R-05	SW-846 8082A	8/16/17	8/21/17 18:56	KAL
Aroclor-1262 [1]	ND	0.34	mg/Kg dry	5		SW-846 8082A	8/16/17	8/21/17 18:56	KAL
Aroclor-1268 [1]	ND	0.34	mg/Kg dry	5		SW-846 8082A	8/16/17	8/21/17 18:56	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	75.8	30-150						8/21/17 18:56	
Decachlorobiphenyl [2]	90.5	30-150						8/21/17 18:56	
Tetrachloro-m-xylene [1]	85.8	30-150						8/21/17 18:56	
Tetrachloro-m-xylene [2]	98.2	30-150						8/21/17 18:56	

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

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

Sample Description:

Work Order: 17H0854

Date Received: 8/15/2017

Field Sample #: WS-AOC-14-SE-31

Sampled: 8/14/2017 13:30

Sample ID: 17H0854-03

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	29.4		% Wt	1		SM 2540G	8/17/17	8/18/17 6:57	MRL

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

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

Sample Description:

Work Order: 17H0854

Date Received: 8/15/2017

Field Sample #: WS-AOC-14-SE-32

Sampled: 8/14/2017 13:45

Sample ID: 17H0854-04

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	0.38	mg/Kg dry	5	R-05	SW-846 8082A	8/16/17	8/21/17 19:14	KAL
Aroclor-1221 [1]	ND	0.38	mg/Kg dry	5		SW-846 8082A	8/16/17	8/21/17 19:14	KAL
Aroclor-1232 [1]	ND	0.38	mg/Kg dry	5		SW-846 8082A	8/16/17	8/21/17 19:14	KAL
Aroclor-1242 [1]	ND	0.38	mg/Kg dry	5		SW-846 8082A	8/16/17	8/21/17 19:14	KAL
Aroclor-1248 [1]	ND	0.38	mg/Kg dry	5		SW-846 8082A	8/16/17	8/21/17 19:14	KAL
Aroclor-1254 [1]	ND	0.38	mg/Kg dry	5		SW-846 8082A	8/16/17	8/21/17 19:14	KAL
Aroclor-1260 [2]	0.53	0.38	mg/Kg dry	5	R-05	SW-846 8082A	8/16/17	8/21/17 19:14	KAL
Aroclor-1262 [1]	ND	0.38	mg/Kg dry	5		SW-846 8082A	8/16/17	8/21/17 19:14	KAL
Aroclor-1268 [1]	ND	0.38	mg/Kg dry	5		SW-846 8082A	8/16/17	8/21/17 19:14	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	66.5	30-150						8/21/17 19:14	
Decachlorobiphenyl [2]	82.5	30-150						8/21/17 19:14	
Tetrachloro-m-xylene [1]	78.3	30-150						8/21/17 19:14	
Tetrachloro-m-xylene [2]	88.8	30-150						8/21/17 19:14	

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

Sample Description:

Work Order: 17H0854

Date Received: 8/15/2017

Field Sample #: WS-AOC-14-SE-32

Sampled: 8/14/2017 13:45

Sample ID: 17H0854-04

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	26.2		% Wt	1		SM 2540G	8/17/17	8/18/17 6:57	MRL

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

Sample Description:

Work Order: 17H0854

Date Received: 8/15/2017

Field Sample #: WS-AOC-14-SE-33

Sampled: 8/14/2017 14:15

Sample ID: 17H0854-05

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	0.38	mg/Kg dry	5	R-05	SW-846 8082A	8/16/17	8/21/17 19:31	KAL
Aroclor-1221 [1]	ND	0.38	mg/Kg dry	5		SW-846 8082A	8/16/17	8/21/17 19:31	KAL
Aroclor-1232 [1]	ND	0.38	mg/Kg dry	5		SW-846 8082A	8/16/17	8/21/17 19:31	KAL
Aroclor-1242 [1]	ND	0.38	mg/Kg dry	5		SW-846 8082A	8/16/17	8/21/17 19:31	KAL
Aroclor-1248 [1]	ND	0.38	mg/Kg dry	5		SW-846 8082A	8/16/17	8/21/17 19:31	KAL
Aroclor-1254 [1]	ND	0.38	mg/Kg dry	5		SW-846 8082A	8/16/17	8/21/17 19:31	KAL
Aroclor-1260 [2]	0.58	0.38	mg/Kg dry	5	R-05	SW-846 8082A	8/16/17	8/21/17 19:31	KAL
Aroclor-1262 [1]	ND	0.38	mg/Kg dry	5		SW-846 8082A	8/16/17	8/21/17 19:31	KAL
Aroclor-1268 [1]	ND	0.38	mg/Kg dry	5		SW-846 8082A	8/16/17	8/21/17 19:31	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	76.6	30-150							
Decachlorobiphenyl [2]	91.4	30-150							
Tetrachloro-m-xylene [1]	87.0	30-150							
Tetrachloro-m-xylene [2]	107	30-150							

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

Sample Description:

Work Order: 17H0854

Date Received: 8/15/2017

Field Sample #: WS-AOC-14-SE-33

Sampled: 8/14/2017 14:15

Sample ID: 17H0854-05

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	26.5		% Wt	1		SM 2540G	8/17/17	8/18/17 6:57	MRL

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

Sample Description:

Work Order: 17H0854

Date Received: 8/15/2017

Field Sample #: EB-40

Sampled: 8/14/2017 14:00

Sample ID: 17H0854-06

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	8/20/17	8/22/17 12:35	KAL
Aroclor-1221 [1]	ND	0.20	µg/L	1		SW-846 8082A	8/20/17	8/22/17 12:35	KAL
Aroclor-1232 [1]	ND	0.20	µg/L	1		SW-846 8082A	8/20/17	8/22/17 12:35	KAL
Aroclor-1242 [1]	ND	0.20	µg/L	1		SW-846 8082A	8/20/17	8/22/17 12:35	KAL
Aroclor-1248 [1]	ND	0.20	µg/L	1		SW-846 8082A	8/20/17	8/22/17 12:35	KAL
Aroclor-1254 [1]	ND	0.20	µg/L	1		SW-846 8082A	8/20/17	8/22/17 12:35	KAL
Aroclor-1260 [1]	ND	0.20	µg/L	1		SW-846 8082A	8/20/17	8/22/17 12:35	KAL
Aroclor-1262 [1]	ND	0.20	µg/L	1		SW-846 8082A	8/20/17	8/22/17 12:35	KAL
Aroclor-1268 [1]	ND	0.20	µg/L	1		SW-846 8082A	8/20/17	8/22/17 12:35	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	86.7	30-150							
Decachlorobiphenyl [2]	87.4	30-150							
Tetrachloro-m-xylene [1]	84.7	30-150							
Tetrachloro-m-xylene [2]	85.2	30-150							

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

Sample Description:

Work Order: 17H0854

Date Received: 8/15/2017

Field Sample #: EB-41

Sampled: 8/15/2017 07:00

Sample ID: 17H0854-07

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	8/20/17	8/22/17 12:47	KAL
Aroclor-1221 [1]	ND	0.20	µg/L	1		SW-846 8082A	8/20/17	8/22/17 12:47	KAL
Aroclor-1232 [1]	ND	0.20	µg/L	1		SW-846 8082A	8/20/17	8/22/17 12:47	KAL
Aroclor-1242 [1]	ND	0.20	µg/L	1		SW-846 8082A	8/20/17	8/22/17 12:47	KAL
Aroclor-1248 [1]	ND	0.20	µg/L	1		SW-846 8082A	8/20/17	8/22/17 12:47	KAL
Aroclor-1254 [1]	ND	0.20	µg/L	1		SW-846 8082A	8/20/17	8/22/17 12:47	KAL
Aroclor-1260 [1]	ND	0.20	µg/L	1		SW-846 8082A	8/20/17	8/22/17 12:47	KAL
Aroclor-1262 [1]	ND	0.20	µg/L	1		SW-846 8082A	8/20/17	8/22/17 12:47	KAL
Aroclor-1268 [1]	ND	0.20	µg/L	1		SW-846 8082A	8/20/17	8/22/17 12:47	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	58.3	30-150						8/22/17 12:47	
Decachlorobiphenyl [2]	59.0	30-150						8/22/17 12:47	
Tetrachloro-m-xylene [1]	83.2	30-150						8/22/17 12:47	
Tetrachloro-m-xylene [2]	82.9	30-150						8/22/17 12:47	

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

Sample Description:

Work Order: 17H0854

Date Received: 8/15/2017

Field Sample #: WS-AOC-8-AS-1

Sampled: 8/15/2017 11:05

Sample ID: 17H0854-08

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	8/21/17	8/25/17 16:59	JMB
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 16:59	JMB
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 16:59	JMB
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 16:59	JMB
Aroclor-1248 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 16:59	JMB
Aroclor-1254 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 16:59	JMB
Aroclor-1260 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 16:59	JMB
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 16:59	JMB
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 16:59	JMB
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	71.8	30-150						8/25/17 16:59	
Decachlorobiphenyl [2]	78.4	30-150						8/25/17 16:59	
Tetrachloro-m-xylene [1]	68.9	30-150						8/25/17 16:59	
Tetrachloro-m-xylene [2]	64.1	30-150						8/25/17 16:59	

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

Sample Description:

Work Order: 17H0854

Date Received: 8/15/2017

Field Sample #: WS-AOC-8-AS-2

Sampled: 8/15/2017 11:00

Sample ID: 17H0854-09

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	0.95	mg/Kg	10		SW-846 8082A	8/26/17	8/27/17 19:26	JMB
Aroclor-1221 [1]	ND	0.95	mg/Kg	10		SW-846 8082A	8/26/17	8/27/17 19:26	JMB
Aroclor-1232 [1]	ND	0.95	mg/Kg	10		SW-846 8082A	8/26/17	8/27/17 19:26	JMB
Aroclor-1242 [1]	ND	0.95	mg/Kg	10		SW-846 8082A	8/26/17	8/27/17 19:26	JMB
Aroclor-1248 [1]	ND	0.95	mg/Kg	10		SW-846 8082A	8/26/17	8/27/17 19:26	JMB
Aroclor-1254 [1]	ND	0.95	mg/Kg	10		SW-846 8082A	8/26/17	8/27/17 19:26	JMB
Aroclor-1260 [1]	ND	0.95	mg/Kg	10		SW-846 8082A	8/26/17	8/27/17 19:26	JMB
Aroclor-1262 [1]	ND	0.95	mg/Kg	10		SW-846 8082A	8/26/17	8/27/17 19:26	JMB
Aroclor-1268 [1]	ND	0.95	mg/Kg	10		SW-846 8082A	8/26/17	8/27/17 19:26	JMB
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	67.0	30-150						8/27/17 19:26	
Decachlorobiphenyl [2]	73.1	30-150						8/27/17 19:26	
Tetrachloro-m-xylene [1]	96.1	30-150						8/27/17 19:26	
Tetrachloro-m-xylene [2]	94.8	30-150						8/27/17 19:26	

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

Sample Description:

Work Order: 17H0854

Date Received: 8/15/2017

Field Sample #: WS-AOC-8-AS-5

Sampled: 8/15/2017 11:10

Sample ID: 17H0854-10

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	8/21/17	8/25/17 17:34	JMB
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 17:34	JMB
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 17:34	JMB
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 17:34	JMB
Aroclor-1248 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 17:34	JMB
Aroclor-1254 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 17:34	JMB
Aroclor-1260 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 17:34	JMB
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 17:34	JMB
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 17:34	JMB
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	60.5	30-150						8/25/17 17:34	
Decachlorobiphenyl [2]	69.9	30-150						8/25/17 17:34	
Tetrachloro-m-xylene [1]	62.6	30-150						8/25/17 17:34	
Tetrachloro-m-xylene [2]	57.2	30-150						8/25/17 17:34	

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

Sample Description:

Work Order: 17H0854

Date Received: 8/15/2017

Field Sample #: WS-AOC-8-CO-20

Sampled: 8/15/2017 11:30

Sample ID: 17H0854-11

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	0.10	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 17:52	JMB
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 17:52	JMB
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 17:52	JMB
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 17:52	JMB
Aroclor-1248 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 17:52	JMB
Aroclor-1254 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 17:52	JMB
Aroclor-1260 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 17:52	JMB
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 17:52	JMB
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 17:52	JMB
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	51.0	30-150						8/25/17 17:52	
Decachlorobiphenyl [2]	58.8	30-150						8/25/17 17:52	
Tetrachloro-m-xylene [1]	59.9	30-150						8/25/17 17:52	
Tetrachloro-m-xylene [2]	51.3	30-150						8/25/17 17:52	

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

Sample Description:

Work Order: 17H0854

Date Received: 8/15/2017

Field Sample #: WS-AOC-8-CO-21

Sampled: 8/15/2017 11:35

Sample ID: 17H0854-12

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	0.099	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 18:09	JMB
Aroclor-1221 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 18:09	JMB
Aroclor-1232 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 18:09	JMB
Aroclor-1242 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 18:09	JMB
Aroclor-1248 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 18:09	JMB
Aroclor-1254 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 18:09	JMB
Aroclor-1260 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 18:09	JMB
Aroclor-1262 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 18:09	JMB
Aroclor-1268 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 18:09	JMB
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	71.9	30-150						8/25/17 18:09	
Decachlorobiphenyl [2]	76.7	30-150						8/25/17 18:09	
Tetrachloro-m-xylene [1]	85.4	30-150						8/25/17 18:09	
Tetrachloro-m-xylene [2]	69.1	30-150						8/25/17 18:09	

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

Sample Description:

Work Order: 17H0854

Date Received: 8/15/2017

Field Sample #: WS-AOC-8-CO-19

Sampled: 8/15/2017 11:25

Sample ID: 17H0854-13

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	8/21/17	8/25/17 18:27	JMB
Aroclor-1221 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 18:27	JMB
Aroclor-1232 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 18:27	JMB
Aroclor-1242 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 18:27	JMB
Aroclor-1248 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 18:27	JMB
Aroclor-1254 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 18:27	JMB
Aroclor-1260 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 18:27	JMB
Aroclor-1262 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 18:27	JMB
Aroclor-1268 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 18:27	JMB
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	65.4	30-150						8/25/17 18:27	
Decachlorobiphenyl [2]	72.2	30-150						8/25/17 18:27	
Tetrachloro-m-xylene [1]	80.0	30-150						8/25/17 18:27	
Tetrachloro-m-xylene [2]	73.5	30-150						8/25/17 18:27	

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

Sample Description:

Work Order: 17H0854

Date Received: 8/15/2017

Field Sample #: WS-AOC-8-CO-18

Sampled: 8/15/2017 11:20

Sample ID: 17H0854-14

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	8/21/17	8/25/17 18:44	JMB
Aroclor-1221 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 18:44	JMB
Aroclor-1232 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 18:44	JMB
Aroclor-1242 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 18:44	JMB
Aroclor-1248 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 18:44	JMB
Aroclor-1254 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 18:44	JMB
Aroclor-1260 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 18:44	JMB
Aroclor-1262 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 18:44	JMB
Aroclor-1268 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 18:44	JMB
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	76.7	30-150						8/25/17 18:44	
Decachlorobiphenyl [2]	79.3	30-150						8/25/17 18:44	
Tetrachloro-m-xylene [1]	73.6	30-150						8/25/17 18:44	
Tetrachloro-m-xylene [2]	66.1	30-150						8/25/17 18:44	

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

Sample Description:

Work Order: 17H0854

Date Received: 8/15/2017

Field Sample #: WS-AOC-8-CO-17

Sampled: 8/15/2017 11:15

Sample ID: 17H0854-15

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	8/21/17	8/25/17 19:02	JMB
Aroclor-1221 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 19:02	JMB
Aroclor-1232 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 19:02	JMB
Aroclor-1242 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 19:02	JMB
Aroclor-1248 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 19:02	JMB
Aroclor-1254 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 19:02	JMB
Aroclor-1260 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 19:02	JMB
Aroclor-1262 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 19:02	JMB
Aroclor-1268 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 19:02	JMB
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	75.5	30-150						8/25/17 19:02	
Decachlorobiphenyl [2]	78.5	30-150						8/25/17 19:02	
Tetrachloro-m-xylene [1]	88.4	30-150						8/25/17 19:02	
Tetrachloro-m-xylene [2]	74.4	30-150						8/25/17 19:02	

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

Sample Description:

Work Order: 17H0854

Date Received: 8/15/2017

Field Sample #: WS-AOC-8-CO-16

Sampled: 8/15/2017 11:40

Sample ID: 17H0854-16

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	0.10	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 19:19	JMB
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 19:19	JMB
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 19:19	JMB
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 19:19	JMB
Aroclor-1248 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 19:19	JMB
Aroclor-1254 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 19:19	JMB
Aroclor-1260 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 19:19	JMB
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 19:19	JMB
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 19:19	JMB
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	59.4	30-150						8/25/17 19:19	
Decachlorobiphenyl [2]	67.1	30-150						8/25/17 19:19	
Tetrachloro-m-xylene [1]	68.7	30-150						8/25/17 19:19	
Tetrachloro-m-xylene [2]	66.6	30-150						8/25/17 19:19	

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

Sample Description:

Work Order: 17H0854

Date Received: 8/15/2017

Field Sample #: WS-AOC-8-CO-DUP-9

Sampled: 8/15/2017 00:00

Sample ID: 17H0854-17

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	0.10	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 19:37	JMB
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 19:37	JMB
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 19:37	JMB
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 19:37	JMB
Aroclor-1248 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 19:37	JMB
Aroclor-1254 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 19:37	JMB
Aroclor-1260 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 19:37	JMB
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 19:37	JMB
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 19:37	JMB
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	56.8	30-150						8/25/17 19:37	
Decachlorobiphenyl [2]	64.0	30-150						8/25/17 19:37	
Tetrachloro-m-xylene [1]	63.9	30-150						8/25/17 19:37	
Tetrachloro-m-xylene [2]	59.3	30-150						8/25/17 19:37	

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

Sample Description:

Work Order: 17H0854

Date Received: 8/15/2017

Field Sample #: WS-AOC-7-CO-31

Sampled: 8/15/2017 12:00

Sample ID: 17H0854-18

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	8/21/17	8/25/17 20:41	JMB
Aroclor-1221 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 20:41	JMB
Aroclor-1232 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 20:41	JMB
Aroclor-1242 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 20:41	JMB
Aroclor-1248 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 20:41	JMB
Aroclor-1254 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 20:41	JMB
Aroclor-1260 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 20:41	JMB
Aroclor-1262 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 20:41	JMB
Aroclor-1268 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 20:41	JMB
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	67.9	30-150						8/25/17 20:41	
Decachlorobiphenyl [2]	74.7	30-150						8/25/17 20:41	
Tetrachloro-m-xylene [1]	77.9	30-150						8/25/17 20:41	
Tetrachloro-m-xylene [2]	70.6	30-150						8/25/17 20:41	

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

Sample Description:

Work Order: 17H0854

Date Received: 8/15/2017

Field Sample #: WS-AOC-7-CO-39

Sampled: 8/15/2017 11:45

Sample ID: 17H0854-19

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	8/21/17	8/25/17 20:59	JMB
Aroclor-1221 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 20:59	JMB
Aroclor-1232 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 20:59	JMB
Aroclor-1242 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 20:59	JMB
Aroclor-1248 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 20:59	JMB
Aroclor-1254 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 20:59	JMB
Aroclor-1260 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 20:59	JMB
Aroclor-1262 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 20:59	JMB
Aroclor-1268 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 20:59	JMB
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	87.2	30-150						8/25/17 20:59	
Decachlorobiphenyl [2]	85.3	30-150						8/25/17 20:59	
Tetrachloro-m-xylene [1]	98.0	30-150						8/25/17 20:59	
Tetrachloro-m-xylene [2]	79.9	30-150						8/25/17 20:59	

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

Sample Description:

Work Order: 17H0854

Date Received: 8/15/2017

Field Sample #: WS-AOC-7-CO-38

Sampled: 8/15/2017 12:10

Sample ID: 17H0854-20

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	8/21/17	8/25/17 21:16	JMB
Aroclor-1221 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 21:16	JMB
Aroclor-1232 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 21:16	JMB
Aroclor-1242 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 21:16	JMB
Aroclor-1248 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 21:16	JMB
Aroclor-1254 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 21:16	JMB
Aroclor-1260 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 21:16	JMB
Aroclor-1262 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 21:16	JMB
Aroclor-1268 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 21:16	JMB
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	88.5	30-150							
Decachlorobiphenyl [2]	86.4	30-150							
Tetrachloro-m-xylene [1]	97.4	30-150							
Tetrachloro-m-xylene [2]	79.3	30-150							

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

Sample Description:

Work Order: 17H0854

Date Received: 8/15/2017

Field Sample #: WS-AOC-7-CO-34

Sampled: 8/15/2017 12:20

Sample ID: 17H0854-21

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 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	8/21/17	8/26/17 12:03	JMB
Aroclor-1221 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	8/21/17	8/26/17 12:03	JMB
Aroclor-1232 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	8/21/17	8/26/17 12:03	JMB
Aroclor-1242 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	8/21/17	8/26/17 12:03	JMB
Aroclor-1248 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	8/21/17	8/26/17 12:03	JMB
Aroclor-1254 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	8/21/17	8/26/17 12:03	JMB
Aroclor-1260 [1]	0.12	0.098	mg/Kg	1		SW-846 8082A	8/21/17	8/26/17 12:03	JMB
Aroclor-1262 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	8/21/17	8/26/17 12:03	JMB
Aroclor-1268 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	8/21/17	8/26/17 12:03	JMB
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	77.7	30-150						8/26/17 12:03	
Decachlorobiphenyl [2]	65.2	30-150						8/26/17 12:03	
Tetrachloro-m-xylene [1]	85.0	30-150						8/26/17 12:03	
Tetrachloro-m-xylene [2]	71.5	30-150						8/26/17 12:03	

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

Sample Description:

Work Order: 17H0854

Date Received: 8/15/2017

Field Sample #: WS-AOC-7-CO-35

Sampled: 8/15/2017 12:40

Sample ID: 17H0854-22

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 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/21/17	8/26/17 12:21	JMB
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/21/17	8/26/17 12:21	JMB
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/21/17	8/26/17 12:21	JMB
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/21/17	8/26/17 12:21	JMB
Aroclor-1248 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/21/17	8/26/17 12:21	JMB
Aroclor-1254 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/21/17	8/26/17 12:21	JMB
Aroclor-1260 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/21/17	8/26/17 12:21	JMB
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/21/17	8/26/17 12:21	JMB
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/21/17	8/26/17 12:21	JMB
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	84.0	30-150						8/26/17 12:21	
Decachlorobiphenyl [2]	74.9	30-150						8/26/17 12:21	
Tetrachloro-m-xylene [1]	70.7	30-150						8/26/17 12:21	
Tetrachloro-m-xylene [2]	66.3	30-150						8/26/17 12:21	

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

Sample Description:

Work Order: 17H0854

Date Received: 8/15/2017

Field Sample #: WS-AOC-7-CO-37

Sampled: 8/15/2017 13:00

Sample ID: 17H0854-23

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 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/21/17	8/26/17 12:39	JMB
Aroclor-1221 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/21/17	8/26/17 12:39	JMB
Aroclor-1232 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/21/17	8/26/17 12:39	JMB
Aroclor-1242 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/21/17	8/26/17 12:39	JMB
Aroclor-1248 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/21/17	8/26/17 12:39	JMB
Aroclor-1254 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/21/17	8/26/17 12:39	JMB
Aroclor-1260 [1]	0.18	0.099	mg/Kg	1		SW-846 8082A	8/21/17	8/26/17 12:39	JMB
Aroclor-1262 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/21/17	8/26/17 12:39	JMB
Aroclor-1268 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	8/21/17	8/26/17 12:39	JMB
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	77.2	30-150						8/26/17 12:39	
Decachlorobiphenyl [2]	62.6	30-150						8/26/17 12:39	
Tetrachloro-m-xylene [1]	92.3	30-150						8/26/17 12:39	
Tetrachloro-m-xylene [2]	83.3	30-150						8/26/17 12:39	

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

Sample Description:

Work Order: 17H0854

Date Received: 8/15/2017

Field Sample #: WS-AOC-7-CO-DUP-8

Sampled: 8/15/2017 00:00

Sample ID: 17H0854-24

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	0.098	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 22:26	JMB
Aroclor-1221 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 22:26	JMB
Aroclor-1232 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 22:26	JMB
Aroclor-1242 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 22:26	JMB
Aroclor-1248 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 22:26	JMB
Aroclor-1254 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 22:26	JMB
Aroclor-1260 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 22:26	JMB
Aroclor-1262 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 22:26	JMB
Aroclor-1268 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	8/21/17	8/25/17 22:26	JMB
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	82.1	30-150						8/25/17 22:26	
Decachlorobiphenyl [2]	83.9	30-150						8/25/17 22:26	
Tetrachloro-m-xylene [1]	93.9	30-150						8/25/17 22:26	
Tetrachloro-m-xylene [2]	80.7	30-150						8/25/17 22:26	

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Sample Extraction Data

Prep Method: % Solids-SM 2540G

Lab Number [Field ID]	Batch	Date
17H0854-01 [WS-AOC-14-SE-29]	B184295	08/17/17
17H0854-02 [WS-AOC-14-SE-30]	B184295	08/17/17
17H0854-03 [WS-AOC-14-SE-31]	B184295	08/17/17
17H0854-04 [WS-AOC-14-SE-32]	B184295	08/17/17
17H0854-05 [WS-AOC-14-SE-33]	B184295	08/17/17

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17H0854-08 [WS-AOC-8-AS-1]	B184578	2.00	10.0	08/21/17
17H0854-10 [WS-AOC-8-AS-5]	B184578	2.01	10.0	08/21/17
17H0854-11 [WS-AOC-8-CO-20]	B184578	2.00	10.0	08/21/17
17H0854-12 [WS-AOC-8-CO-21]	B184578	2.03	10.0	08/21/17
17H0854-13 [WS-AOC-8-CO-19]	B184578	2.02	10.0	08/21/17
17H0854-14 [WS-AOC-8-CO-18]	B184578	2.02	10.0	08/21/17
17H0854-15 [WS-AOC-8-CO-17]	B184578	2.03	10.0	08/21/17
17H0854-16 [WS-AOC-8-CO-16]	B184578	2.01	10.0	08/21/17
17H0854-17 [WS-AOC-8-CO-DUP-9]	B184578	2.00	10.0	08/21/17
17H0854-18 [WS-AOC-7-CO-31]	B184578	2.05	10.0	08/21/17
17H0854-19 [WS-AOC-7-CO-39]	B184578	2.03	10.0	08/21/17
17H0854-20 [WS-AOC-7-CO-38]	B184578	2.04	10.0	08/21/17
17H0854-21 [WS-AOC-7-CO-34]	B184578	2.05	10.0	08/21/17
17H0854-22 [WS-AOC-7-CO-35]	B184578	2.00	10.0	08/21/17
17H0854-23 [WS-AOC-7-CO-37]	B184578	2.03	10.0	08/21/17
17H0854-24 [WS-AOC-7-CO-DUP-8]	B184578	2.04	10.0	08/21/17

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17H0854-09RE1 [WS-AOC-8-AS-2]	B184989	2.10	10.0	08/26/17

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17H0854-01 [WS-AOC-14-SE-29]	B184281	10.0	10.0	08/16/17
17H0854-02 [WS-AOC-14-SE-30]	B184281	10.0	10.0	08/16/17
17H0854-03 [WS-AOC-14-SE-31]	B184281	10.0	10.0	08/16/17
17H0854-04 [WS-AOC-14-SE-32]	B184281	10.0	10.0	08/16/17
17H0854-05 [WS-AOC-14-SE-33]	B184281	10.0	10.0	08/16/17

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

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
17H0854-06 [EB-40]	B184505	950	9.50	08/20/17
17H0854-07 [EB-41]	B184505	1000	10.0	08/20/17

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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 B184505 - SW-846 3510C										
Blank (B184505-BLK1)										
Prepared: 08/20/17 Analyzed: 08/22/17										
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	1.79		µg/L	2.00		89.5	30-150			
Surrogate: Decachlorobiphenyl [2C]	1.81		µg/L	2.00		90.7	30-150			
Surrogate: Tetrachloro-m-xylene	1.68		µg/L	2.00		84.1	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	1.68		µg/L	2.00		84.2	30-150			
LCS (B184505-BS1)										
Prepared: 08/20/17 Analyzed: 08/22/17										
Aroclor-1016	0.54	0.20	µg/L	0.500		108	40-140			
Aroclor-1016 [2C]	0.52	0.20	µg/L	0.500		104	40-140			
Aroclor-1260	0.41	0.20	µg/L	0.500		81.2	40-140			
Aroclor-1260 [2C]	0.41	0.20	µg/L	0.500		82.3	40-140			
Surrogate: Decachlorobiphenyl	1.85		µg/L	2.00		92.7	30-150			
Surrogate: Decachlorobiphenyl [2C]	1.88		µg/L	2.00		93.8	30-150			
Surrogate: Tetrachloro-m-xylene	1.67		µg/L	2.00		83.6	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	1.67		µg/L	2.00		83.4	30-150			
LCS Dup (B184505-BSD1)										
Prepared: 08/20/17 Analyzed: 08/22/17										
Aroclor-1016	0.48	0.20	µg/L	0.500		97.0	40-140	10.6	20	
Aroclor-1016 [2C]	0.50	0.20	µg/L	0.500		99.7	40-140	4.22	20	
Aroclor-1260	0.38	0.20	µg/L	0.500		76.9	40-140	5.38	20	
Aroclor-1260 [2C]	0.40	0.20	µg/L	0.500		79.2	40-140	3.82	20	
Surrogate: Decachlorobiphenyl	1.64		µg/L	2.00		82.2	30-150			
Surrogate: Decachlorobiphenyl [2C]	1.66		µg/L	2.00		83.0	30-150			
Surrogate: Tetrachloro-m-xylene	1.52		µg/L	2.00		76.0	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	1.53		µg/L	2.00		76.3	30-150			

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QUALITY CONTROL
Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B184281 - SW-846 3540C										
Blank (B184281-BLK1)										
Prepared: 08/16/17 Analyzed: 08/21/17										
Aroclor-1016	ND	0.020	mg/Kg wet							R-05
Aroclor-1016 [2C]	ND	0.020	mg/Kg wet							R-05
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							R-05
Aroclor-1260 [2C]	ND	0.020	mg/Kg wet							R-05
Aroclor-1262	ND	0.020	mg/Kg wet							
Aroclor-1262 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1268	ND	0.020	mg/Kg wet							
Aroclor-1268 [2C]	ND	0.020	mg/Kg wet							
Surrogate: Decachlorobiphenyl	0.175		mg/Kg wet	0.200		87.7	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.175		mg/Kg wet	0.200		87.7	30-150			
Surrogate: Tetrachloro-m-xylene	0.175		mg/Kg wet	0.200		87.6	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.186		mg/Kg wet	0.200		93.2	30-150			
LCS (B184281-BS1)										
Prepared: 08/16/17 Analyzed: 08/21/17										
Aroclor-1016	0.17	0.020	mg/Kg wet	0.200		85.9	40-140			R-05
Aroclor-1016 [2C]	0.18	0.020	mg/Kg wet	0.200		91.2	40-140			R-05
Aroclor-1260	0.15	0.020	mg/Kg wet	0.200		77.5	40-140			R-05
Aroclor-1260 [2C]	0.15	0.020	mg/Kg wet	0.200		75.9	40-140			R-05
Surrogate: Decachlorobiphenyl	0.179		mg/Kg wet	0.200		89.7	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.181		mg/Kg wet	0.200		90.3	30-150			
Surrogate: Tetrachloro-m-xylene	0.180		mg/Kg wet	0.200		90.2	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.192		mg/Kg wet	0.200		96.2	30-150			
LCS Dup (B184281-BS1)										
Prepared: 08/16/17 Analyzed: 08/21/17										
Aroclor-1016	0.12	0.020	mg/Kg wet	0.200		59.6	40-140	36.2	* 30	R-05
Aroclor-1016 [2C]	0.13	0.020	mg/Kg wet	0.200		66.3	40-140	31.5	* 30	R-05
Aroclor-1260	0.11	0.020	mg/Kg wet	0.200		53.3	40-140	36.9	* 30	R-05
Aroclor-1260 [2C]	0.11	0.020	mg/Kg wet	0.200		55.1	40-140	31.8	* 30	R-05
Surrogate: Decachlorobiphenyl	0.122		mg/Kg wet	0.200		61.1	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.127		mg/Kg wet	0.200		63.4	30-150			
Surrogate: Tetrachloro-m-xylene	0.120		mg/Kg wet	0.200		59.9	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.129		mg/Kg wet	0.200		64.7	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
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Batch B184578 - SW-846 3540C
Blank (B184578-BLK1)

Prepared: 08/21/17 Analyzed: 08/23/17

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	0.837		mg/Kg	1.00		83.7	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.808		mg/Kg	1.00		80.8	30-150			
Surrogate: Tetrachloro-m-xylene	0.850		mg/Kg	1.00		85.0	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.819		mg/Kg	1.00		81.9	30-150			

LCS (B184578-BS1)

Prepared: 08/21/17 Analyzed: 08/23/17

Aroclor-1016	0.91	0.10	mg/Kg	1.00		90.5	40-140			
Aroclor-1016 [2C]	0.92	0.10	mg/Kg	1.00		91.8	40-140			
Aroclor-1260	0.79	0.10	mg/Kg	1.00		78.7	40-140			
Aroclor-1260 [2C]	0.80	0.10	mg/Kg	1.00		80.2	40-140			
Surrogate: Decachlorobiphenyl	0.872		mg/Kg	1.00		87.2	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.832		mg/Kg	1.00		83.2	30-150			
Surrogate: Tetrachloro-m-xylene	0.854		mg/Kg	1.00		85.4	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.821		mg/Kg	1.00		82.1	30-150			

LCS Dup (B184578-BSD1)

Prepared: 08/21/17 Analyzed: 08/23/17

Aroclor-1016	0.90	0.10	mg/Kg	1.00		89.7	40-140	0.938	30	
Aroclor-1016 [2C]	0.94	0.10	mg/Kg	1.00		94.0	40-140	2.37	30	
Aroclor-1260	0.79	0.10	mg/Kg	1.00		78.8	40-140	0.0915	30	
Aroclor-1260 [2C]	0.81	0.10	mg/Kg	1.00		81.0	40-140	0.978	30	
Surrogate: Decachlorobiphenyl	0.844		mg/Kg	1.00		84.4	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.811		mg/Kg	1.00		81.1	30-150			
Surrogate: Tetrachloro-m-xylene	0.829		mg/Kg	1.00		82.9	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.809		mg/Kg	1.00		80.9	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
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Batch B184578 - SW-846 3540C

Matrix Spike (B184578-MS1)		Source: 17H0854-11		Prepared: 08/21/17 Analyzed: 08/25/17						
Aroclor-1016	0.79	0.099	mg/Kg	0.990	ND	79.8	40-140			
Aroclor-1016 [2C]	0.75	0.099	mg/Kg	0.990	ND	75.9	40-140			
Aroclor-1260	0.86	0.099	mg/Kg	0.990	ND	86.9	40-140			
Aroclor-1260 [2C]	0.89	0.099	mg/Kg	0.990	ND	89.8	40-140			V-06
Surrogate: Decachlorobiphenyl	0.924		mg/Kg	0.990		93.3	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.882		mg/Kg	0.990		89.1	30-150			
Surrogate: Tetrachloro-m-xylene	0.903		mg/Kg	0.990		91.2	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.696		mg/Kg	0.990		70.3	30-150			

Matrix Spike (B184578-MS2)		Source: 17H0854-18		Prepared: 08/21/17 Analyzed: 08/25/17						
Aroclor-1016	0.76	0.099	mg/Kg	0.985	ND	77.0	40-140			
Aroclor-1016 [2C]	0.72	0.099	mg/Kg	0.985	ND	72.8	40-140			
Aroclor-1260	0.82	0.099	mg/Kg	0.985	ND	83.0	40-140			
Aroclor-1260 [2C]	0.85	0.099	mg/Kg	0.985	ND	85.8	40-140			V-06
Surrogate: Decachlorobiphenyl	0.886		mg/Kg	0.985		89.9	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.866		mg/Kg	0.985		87.9	30-150			
Surrogate: Tetrachloro-m-xylene	0.875		mg/Kg	0.985		88.8	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.692		mg/Kg	0.985		70.3	30-150			

Matrix Spike Dup (B184578-MSD1)		Source: 17H0854-11		Prepared: 08/21/17 Analyzed: 08/25/17						
Aroclor-1016	0.90	0.10	mg/Kg	1.00	ND	90.2	40-140	13.1	50	
Aroclor-1016 [2C]	0.90	0.10	mg/Kg	1.00	ND	90.1	40-140	18.1	50	
Aroclor-1260	0.90	0.10	mg/Kg	1.00	ND	89.8	40-140	4.27	50	
Aroclor-1260 [2C]	0.94	0.10	mg/Kg	1.00	ND	94.3	40-140	5.89	50	V-06
Surrogate: Decachlorobiphenyl	0.899		mg/Kg	1.00		89.9	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.893		mg/Kg	1.00		89.3	30-150			
Surrogate: Tetrachloro-m-xylene	0.923		mg/Kg	1.00		92.3	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.755		mg/Kg	1.00		75.5	30-150			

Matrix Spike Dup (B184578-MSD2)		Source: 17H0854-18		Prepared: 08/21/17 Analyzed: 08/25/17						
Aroclor-1016	0.82	0.10	mg/Kg	1.00	ND	82.5	40-140	8.32	50	
Aroclor-1016 [2C]	0.80	0.10	mg/Kg	1.00	ND	80.2	40-140	11.2	50	
Aroclor-1260	0.80	0.10	mg/Kg	1.00	ND	80.3	40-140	1.81	50	
Aroclor-1260 [2C]	0.84	0.10	mg/Kg	1.00	ND	84.4	40-140	0.116	50	V-06
Surrogate: Decachlorobiphenyl	0.811		mg/Kg	1.00		81.1	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.843		mg/Kg	1.00		84.3	30-150			
Surrogate: Tetrachloro-m-xylene	0.854		mg/Kg	1.00		85.4	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.724		mg/Kg	1.00		72.4	30-150			

Batch B184989 - SW-846 3540C

Blank (B184989-BLK1)				Prepared: 08/26/17 Analyzed: 08/27/17						
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							

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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
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Batch B184989 - SW-846 3540C
Blank (B184989-BLK1)

Prepared: 08/26/17 Analyzed: 08/27/17

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	0.852		mg/Kg	1.00		85.2	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.891		mg/Kg	1.00		89.1	30-150			
Surrogate: Tetrachloro-m-xylene	0.855		mg/Kg	1.00		85.5	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.913		mg/Kg	1.00		91.3	30-150			

LCS (B184989-BS1)

Prepared: 08/26/17 Analyzed: 08/27/17

Aroclor-1016	0.98	0.10	mg/Kg	1.00		97.7	40-140			
Aroclor-1016 [2C]	1.1	0.10	mg/Kg	1.00		105	40-140			
Aroclor-1260	0.84	0.10	mg/Kg	1.00		83.6	40-140			
Aroclor-1260 [2C]	0.88	0.10	mg/Kg	1.00		87.7	40-140			
Surrogate: Decachlorobiphenyl	0.908		mg/Kg	1.00		90.8	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.962		mg/Kg	1.00		96.2	30-150			
Surrogate: Tetrachloro-m-xylene	0.899		mg/Kg	1.00		89.9	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.959		mg/Kg	1.00		95.9	30-150			

LCS Dup (B184989-BSD1)

Prepared: 08/26/17 Analyzed: 08/27/17

Aroclor-1016	1.0	0.10	mg/Kg	1.00		100	40-140	2.51	30	
Aroclor-1016 [2C]	1.1	0.10	mg/Kg	1.00		107	40-140	1.03	30	
Aroclor-1260	0.86	0.10	mg/Kg	1.00		85.6	40-140	2.41	30	
Aroclor-1260 [2C]	0.90	0.10	mg/Kg	1.00		89.6	40-140	2.12	30	
Surrogate: Decachlorobiphenyl	0.909		mg/Kg	1.00		90.9	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.975		mg/Kg	1.00		97.5	30-150			
Surrogate: Tetrachloro-m-xylene	0.956		mg/Kg	1.00		95.6	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	1.01		mg/Kg	1.00		101	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
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Batch B184295 - % Solids
Duplicate (B184295-DUP1)
Source: 17H0854-01

Prepared: 08/17/17 Analyzed: 08/18/17

% Solids	27.4		% Wt		30.0			9.06	20	
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Duplicate (B184295-DUP2)
Source: 17H0854-03

Prepared: 08/17/17 Analyzed: 08/18/17

% Solids	29.5		% Wt		29.4			0.340	20	
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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC-14-SE-29

Lab Sample ID: 17H0854-01 Date(s) Analyzed: 08/21/2017 08/21/2017

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-1248	1	0.000	-0.030	0.030	1.7	
	2	0.000	-0.030	0.030	1.9	11.1
Aroclor-1254	1	0.000	-0.030	0.030	1.6	
	2	0.000	-0.030	0.030	2.1	27.0
Aroclor-1260	1	0.000	-0.030	0.030	0.75	
	2	0.000	-0.030	0.030	0.87	14.8

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC-14-SE-30

Lab Sample ID: 17H0854-02 Date(s) Analyzed: 08/21/2017 08/21/2017

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-1248	1	0.000	-0.030	0.030	0.38	
	2	0.000	-0.030	0.030	0.50	27.3
Aroclor-1254	1	0.000	-0.030	0.030	0.51	
	2	0.000	-0.030	0.030	0.65	24.1
Aroclor-1260	1	0.000	-0.030	0.030	0.37	
	2	0.000	-0.030	0.030	0.47	23.8

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC-14-SE-31

Lab Sample ID: 17H0854-03 Date(s) Analyzed: 08/21/2017 08/21/2017

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-1248	1	0.000	-0.030	0.030	0.38	
	2	0.000	-0.030	0.030	0.52	31.1
Aroclor-1254	1	0.000	-0.030	0.030	0.40	
	2	0.000	-0.030	0.030	0.57	35.1

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**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES****WS-AOC-14-SE-33***SW-846 8082A*

Lab Sample ID: 17H0854-05 Date(s) Analyzed: 08/21/2017 08/21/2017
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	0.44	
	2	0.000	-0.030	0.030	0.58	27.5

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES***SW-846 8082A***WS-AOC-7-CO-34**Lab Sample ID: 17H0854-21 Date(s) Analyzed: 08/26/2017 08/26/2017

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	0.12	
	2	0.000	0.000	0.000	0.10	18.2

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

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES****WS-AOC-7-CO-37***SW-846 8082A*

Lab Sample ID: 17H0854-23 Date(s) Analyzed: 08/26/2017 08/26/2017
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	0.18	
	2	0.000	0.000	0.000	0.17	5.7

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332**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.
P-01	Result was confirmed using a dissimilar column. Relative percent difference between the two results was >40%. In accordance with the method, the higher result was reported.
R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
V-06	Continuing calibration did not meet method specifications and was biased on the high side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the high side.

CERTIFICATIONS
Certified Analyses included in this Report

Analyte	Certifications
<i>SW-846 8082A in Product/Solid</i>	
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
<i>SW-846 8082A in Soil</i>	
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
<i>SW-846 8082A in Water</i>	
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

CERTIFICATIONS
Certified Analyses included in this Report

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

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

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2005	100033	02/1/2018
MA	Massachusetts DEP	M-MA100	06/30/2018
CT	Connecticut Department of Public 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



Company Name: Weston & Sampson
 Address: 273 Divided 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: beckm@weston.com
 Fax To #:

Con-Test Work Order #	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	Matrix Code	Conc Code
1	WS-AOC-14-SE-29	8/14/17	1230		X	S	U
2	WS-AOC-14-SE-30		1300		X		
3	WS-AOC-14-SE-31		1330		X		
4	WS-AOC-14-SE-32		1345		X		
5	WS-AOC-14-SE-33		1405		X		
6	EB-40		1400		X	O	
7	EB-41	8/15/17	0700		X	O	
8	WS-AOC-8-AS-1		1105		X	O	
9	WS-AOC-8-AS-2		1100		X	O	
10	WS-AOC-8-AS-5		1110		X	O	

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

Relinquished by: (signature)	Date/Time: 8/15/17 1520	MA	MA MCP Required		NEQAC and AIHA-LAP, LLC Accredited www.contestlabs.com
Received by: (signature)	8/15/17 1710		MCP Certification Form Required		
Relinquished by: (signature)	8/15/17 1420	CT	CT MCP Required		
Received by: (signature)	8/15/17 1620		CT Certification Form Required		
Relinquished by: (signature)	8/15/17 1620	Other	MA State DW Required		
Relinquished by: (signature)		Project Entity	PWSID #		
Received by: (signature)		Government ☐ Municipality ☐ School ☐ MBTA ☐	WRTA ☐ Chromatogram ☐ AIHA-LAP, LLC ☐		



Phone: 413-525-2332
Fax: 413-525-6405

Email: info@contestlabs.com

Company Name: Weston B Sampson
Address: 873 Dividend Rd Derby 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:	<u>BELSON@wsinc.com</u>
Fax To #:	

Con-Test Work Order #	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	Matrix Code	Conc Code
11	WS-AOC-8-CO-20	8/15/17	1130		X	0	U
12	WS-AOC-8-CO-21		1135				
13	WS-AOC-8-CO-19		1125				
14	WS-AOC-8-CO-18		1120				
15	WS-AOC-8-CO-17		1115				
16	WS-AOC-8-CO-16		1140				
17	WS-AOC-8-CO-DOP-7						
18	WS-AOC-7-CO-31		1200				
19	WS-AOC-7-CO-39		1145				
20	WS-AOC-7-CO-38		1210				

Comments:

WS-AOC-8-CO-20 is MS/MSD.
WS-AOC-7-CO-31 is MS/MSD.

Relinquished by: (signature)	Date/Time: 8/15/17 1510
Received by: (signature)	Date/Time: 8/15/17 1510
Relinquished by: (signature)	Date/Time: 8/15/17 1210
Received by: (signature)	Date/Time: 8/15/17 16:20
Inquired by: (signature)	Date/Time:
Received by: (signature)	Date/Time:

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



NEQAC and AIHA-LAP, LLC Accredited

Project Entity	Government ☐ Federal ☐ City ☐	Municipality ☐ 21 J ☐ Brownfield ☐	MWRA ☐ School ☐ MBTA ☐	WRTA ☐	Other ☐ Chromatogram ☐ AIHA-LAP, LLC ☐
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PCB ONLY

☐ Soxhlet
☐ Non Soxhlet

Phone: 413-525-2332

Fax: 413-525-6405

Email: info@contestlabs.com



Company Name: Weston & Sampson
 Address: 273 Dividend Rd Rocky Hill CT
 Phone: 860 546 5000
 Project Name: English Station
 Project Location: 510 Grand Ave New Haven, CT
 Project Number: 2170495
 Project Manager: [Signature]

Con-Test Quote Name/Number: [Blank]Invoice Recipient: [Blank]Sampled By: TPS

Requested Turnaround Time: 7-Day ☒ 10-Day ☐
 Due Date: [Blank]

Rush Approval Required: ☐ 3-Day ☐ 4-Day ☐
 Data Delivery: ☒ EXCEL ☐ PDF ☐

Other: [Blank]

CLP Like Data Pkg Required: ☐
 Email To: Becker@wmsn.com
 Fax To #: [Blank]

Con-Test Work Order #	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	Matrix Code	Conc Code
21	WS-AOL-7-CO-34	8/15/17	12:00	X	X	0	U
22	WS-AOL-7-CO-35	8/15/17	12:40	X	X	0	U
23	WS-AOL-7-CO-37	8/15/17	13:00	X	X	0	U
24	WS-AOL-7-CO-DUP-8	8/15/17	—	X	X	0	U

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

Relinquished by: (Signature) [Signature] Date/Time: 8/15/17 15:10

Received by: (Signature) [Signature] Date/Time: 8/15/17 15:10

Relinquished by: (Signature) [Signature] Date/Time: 8/15/17 16:21

Received by: (Signature) [Signature] Date/Time: 8/15/17 16:20

Relinquished by: (Signature) [Signature] Date/Time: [Blank]

Received by: (Signature) [Signature] Date/Time: [Blank]

of Containers: [Blank]

Preservation Code: [Blank]

Container Code: [Blank]

Analysis Requested: [Blank]

Field Filtered: ☐ Lab to Filter: ☐

Field Filtered: ☐ Lab to Filter: ☐

Matrix Codes:
 GW = Ground Water
 WW = Waste Water
 DW = Drinking Water
 A = Air
 S = Soil
 SL = Sludge
 SOL = Solid
 O = Other (please define) Paras Media

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)

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

PCB ONLY: ☐ Soxhlet ☐ Non Soxhlet

Project Entity: ☐ Government ☐ Federal ☐ City ☐ Municipality ☐ 21 J ☐ Brownfield ☐ MWRA ☐ School ☐ MBTA ☐ WRTA ☐ Chromatogram ☐ AIHA-LAP, LLC

Other: ☐ Chromatogram ☐ AIHA-LAP, LLC

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 E. Sampson

Received By WCG Date 8/15/17 Time 16:20

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 - 4.1°C/4.6°C
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 Client T Analysis T Sampler Name T
pertinent Information? 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? 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? Acid N/A Base N/A

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
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: 17H0854

Laboratory Sample ID(s):

17H0854-01 thru 17H0854-24

Sample Date(s):

08/14/2017,

08/15/2017

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:
Position: Project Manager
Printed Name: Lisa A. Worthington
Date: 08/28/17
Name of Laboratory: Con-Test Analytical Laboratory

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

August 24, 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: 17H0959

Enclosed are results of analyses for samples received by the laboratory on August 17, 2017. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink, reading "James Georgantas". The signature is fluid and cursive, with a long horizontal stroke extending to the right.

James M. Georgantas
Project Manager

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332Weston & Sampson
273 Dividend Road
Rocky Hill, CT 06067
ATTN: Malcolm Beeler

REPORT DATE: 8/24/2017

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 2170495

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 17H0959

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-AOC2-SO-2-1	17H0959-01	Soil		SM 2540G SW-846 8270D	
WS-AOC2-SO-3-1	17H0959-02	Soil		SM 2540G SW-846 8270D	
WS-AOC2-SO-1-1	17H0959-03	Soil		SM 2540G SW-846 8270D	

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.

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.

A handwritten signature in black ink, appearing to read "Daren J. Damboragian", is written over a light gray rectangular background.

Daren J. Damboragian
Director of Operations

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

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

Sample Description:

Work Order: 17H0959

Date Received: 8/17/2017

Field Sample #: WS-AOC2-SO-2-1

Sampled: 8/3/2017 09:10

Sample ID: 17H0959-01

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	92.5		% Wt	1		SM 2540G	8/22/17	8/22/17 8:04	CTL

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

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

Sample Description:

Work Order: 17H0959

Date Received: 8/17/2017

Field Sample #: WS-AOC2-SO-2-1

Sampled: 8/3/2017 09:10

Sample ID: 17H0959-01

Sample Matrix: Soil

SPLP - 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	8/23/17	8/24/17 12:19	CJM
Acenaphthylene (SIM)	ND	0.30	µg/L	1		SW-846 8270D	8/23/17	8/24/17 12:19	CJM
Anthracene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	8/23/17	8/24/17 12:19	CJM
Benzo(a)anthracene (SIM)	ND	0.050	µg/L	1		SW-846 8270D	8/23/17	8/24/17 12:19	CJM
Benzo(a)pyrene (SIM)	ND	0.10	µg/L	1		SW-846 8270D	8/23/17	8/24/17 12:19	CJM
Benzo(b)fluoranthene (SIM)	ND	0.050	µg/L	1		SW-846 8270D	8/23/17	8/24/17 12:19	CJM
Benzo(g,h,i)perylene (SIM)	ND	0.50	µg/L	1		SW-846 8270D	8/23/17	8/24/17 12:19	CJM
Benzo(k)fluoranthene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	8/23/17	8/24/17 12:19	CJM
Chrysene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	8/23/17	8/24/17 12:19	CJM
Dibenz(a,h)anthracene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	8/23/17	8/24/17 12:19	CJM
Fluoranthene (SIM)	ND	0.50	µg/L	1		SW-846 8270D	8/23/17	8/24/17 12:19	CJM
Fluorene (SIM)	ND	1.0	µg/L	1		SW-846 8270D	8/23/17	8/24/17 12:19	CJM
Indeno(1,2,3-cd)pyrene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	8/23/17	8/24/17 12:19	CJM
2-Methylnaphthalene (SIM)	ND	1.0	µg/L	1		SW-846 8270D	8/23/17	8/24/17 12:19	CJM
Naphthalene (SIM)	ND	1.0	µg/L	1		SW-846 8270D	8/23/17	8/24/17 12:19	CJM
Phenanthrene (SIM)	0.13	0.050	µg/L	1		SW-846 8270D	8/23/17	8/24/17 12:19	CJM
Pyrene (SIM)	ND	1.0	µg/L	1		SW-846 8270D	8/23/17	8/24/17 12:19	CJM
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Nitrobenzene-d5	83.0	30-130							
2-Fluorobiphenyl	80.4	30-130							
p-Terphenyl-d14	64.7	30-130							

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

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

Sample Description:

Work Order: 17H0959

Date Received: 8/17/2017

Field Sample #: WS-AOC2-SO-3-1

Sampled: 8/3/2017 09:35

Sample ID: 17H0959-02

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	92.1		% Wt	1		SM 2540G	8/22/17	8/22/17 8:04	CTL

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

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

Sample Description:

Work Order: 17H0959

Date Received: 8/17/2017

Field Sample #: WS-AOC2-SO-3-1

Sampled: 8/3/2017 09:35

Sample ID: 17H0959-02

Sample Matrix: Soil

SPLP - 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	8/23/17	8/24/17 12:47	CJM
Acenaphthylene (SIM)	ND	0.30	µg/L	1		SW-846 8270D	8/23/17	8/24/17 12:47	CJM
Anthracene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	8/23/17	8/24/17 12:47	CJM
Benzo(a)anthracene (SIM)	ND	0.050	µg/L	1		SW-846 8270D	8/23/17	8/24/17 12:47	CJM
Benzo(a)pyrene (SIM)	ND	0.10	µg/L	1		SW-846 8270D	8/23/17	8/24/17 12:47	CJM
Benzo(b)fluoranthene (SIM)	0.058	0.050	µg/L	1		SW-846 8270D	8/23/17	8/24/17 12:47	CJM
Benzo(g,h,i)perylene (SIM)	ND	0.50	µg/L	1		SW-846 8270D	8/23/17	8/24/17 12:47	CJM
Benzo(k)fluoranthene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	8/23/17	8/24/17 12:47	CJM
Chrysene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	8/23/17	8/24/17 12:47	CJM
Dibenz(a,h)anthracene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	8/23/17	8/24/17 12:47	CJM
Fluoranthene (SIM)	ND	0.50	µg/L	1		SW-846 8270D	8/23/17	8/24/17 12:47	CJM
Fluorene (SIM)	ND	1.0	µg/L	1		SW-846 8270D	8/23/17	8/24/17 12:47	CJM
Indeno(1,2,3-cd)pyrene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	8/23/17	8/24/17 12:47	CJM
2-Methylnaphthalene (SIM)	ND	1.0	µg/L	1		SW-846 8270D	8/23/17	8/24/17 12:47	CJM
Naphthalene (SIM)	ND	1.0	µg/L	1		SW-846 8270D	8/23/17	8/24/17 12:47	CJM
Phenanthrene (SIM)	0.48	0.050	µg/L	1		SW-846 8270D	8/23/17	8/24/17 12:47	CJM
Pyrene (SIM)	ND	1.0	µg/L	1		SW-846 8270D	8/23/17	8/24/17 12:47	CJM
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Nitrobenzene-d5	81.3	30-130							
2-Fluorobiphenyl	79.1	30-130							
p-Terphenyl-d14	62.4	30-130							

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

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

Sample Description:

Work Order: 17H0959

Date Received: 8/17/2017

Field Sample #: WS-AOC2-SO-1-1

Sampled: 8/3/2017 10:35

Sample ID: 17H0959-03

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	90.0		% Wt	1		SM 2540G	8/22/17	8/22/17 8:04	CTL

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

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

Sample Description:

Work Order: 17H0959

Date Received: 8/17/2017

Field Sample #: WS-AOC2-SO-1-1

Sampled: 8/3/2017 10:35

Sample ID: 17H0959-03

Sample Matrix: Soil

SPLP - Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene (SIM)	0.63	0.30	µg/L	1		SW-846 8270D	8/23/17	8/24/17 13:16	CJM
Acenaphthylene (SIM)	ND	0.30	µg/L	1		SW-846 8270D	8/23/17	8/24/17 13:16	CJM
Anthracene (SIM)	0.32	0.20	µg/L	1		SW-846 8270D	8/23/17	8/24/17 13:16	CJM
Benzo(a)anthracene (SIM)	0.051	0.050	µg/L	1		SW-846 8270D	8/23/17	8/24/17 13:16	CJM
Benzo(a)pyrene (SIM)	ND	0.10	µg/L	1		SW-846 8270D	8/23/17	8/24/17 13:16	CJM
Benzo(b)fluoranthene (SIM)	0.057	0.050	µg/L	1		SW-846 8270D	8/23/17	8/24/17 13:16	CJM
Benzo(g,h,i)perylene (SIM)	ND	0.50	µg/L	1		SW-846 8270D	8/23/17	8/24/17 13:16	CJM
Benzo(k)fluoranthene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	8/23/17	8/24/17 13:16	CJM
Chrysene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	8/23/17	8/24/17 13:16	CJM
Dibenz(a,h)anthracene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	8/23/17	8/24/17 13:16	CJM
Fluoranthene (SIM)	0.66	0.50	µg/L	1		SW-846 8270D	8/23/17	8/24/17 13:16	CJM
Fluorene (SIM)	ND	1.0	µg/L	1		SW-846 8270D	8/23/17	8/24/17 13:16	CJM
Indeno(1,2,3-cd)pyrene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	8/23/17	8/24/17 13:16	CJM
2-Methylnaphthalene (SIM)	ND	1.0	µg/L	1		SW-846 8270D	8/23/17	8/24/17 13:16	CJM
Naphthalene (SIM)	ND	1.0	µg/L	1		SW-846 8270D	8/23/17	8/24/17 13:16	CJM
Phenanthrene (SIM)	0.97	0.050	µg/L	1		SW-846 8270D	8/23/17	8/24/17 13:16	CJM
Pyrene (SIM)	ND	1.0	µg/L	1		SW-846 8270D	8/23/17	8/24/17 13:16	CJM
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Nitrobenzene-d5	81.7	30-130							
2-Fluorobiphenyl	79.3	30-130							
p-Terphenyl-d14	68.3	30-130							

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
17H0959-01 [WS-AOC2-SO-2-1]	B183650	08/22/17
17H0959-02 [WS-AOC2-SO-3-1]	B183650	08/22/17
17H0959-03 [WS-AOC2-SO-1-1]	B183650	08/22/17

Prep Method: SW-846 3510C-SW-846 8270D**Leachates were extracted on 8/17/2017 per SW-846 1312 in Batch B184384**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
17H0959-01 [WS-AOC2-SO-2-1]	B184797	1000	1.00	08/23/17
17H0959-02 [WS-AOC2-SO-3-1]	B184797	1000	1.00	08/23/17
17H0959-03 [WS-AOC2-SO-1-1]	B184797	1000	1.00	08/23/17

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

QUALITY CONTROL

SPLP - Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B184797 - SW-846 3510C

Blank (B184797-BLK1)

Prepared: 08/23/17 Analyzed: 08/24/17

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	81.9		µg/L	100		81.9	30-130			
Surrogate: 2-Fluorobiphenyl	80.8		µg/L	100		80.8	30-130			
Surrogate: p-Terphenyl-d14	70.1		µg/L	100		70.1	30-130			

LCS (B184797-BS1)

Prepared: 08/23/17 Analyzed: 08/24/17

Acenaphthene (SIM)	46.6	7.5	µg/L	50.0		93.2	40-140			
Acenaphthylene (SIM)	45.5	7.5	µg/L	50.0		91.0	40-140			
Anthracene (SIM)	48.7	5.0	µg/L	50.0		97.4	40-140			
Benzo(a)anthracene (SIM)	47.2	1.2	µg/L	50.0		94.5	40-140			
Benzo(a)pyrene (SIM)	50.5	2.5	µg/L	50.0		101	40-140			
Benzo(b)fluoranthene (SIM)	51.4	1.2	µg/L	50.0		103	40-140			
Benzo(g,h,i)perylene (SIM)	47.9	12	µg/L	50.0		95.8	40-140			
Benzo(k)fluoranthene (SIM)	50.2	5.0	µg/L	50.0		100	40-140			
Chrysene (SIM)	47.3	5.0	µg/L	50.0		94.6	40-140			
Dibenz(a,h)anthracene (SIM)	48.3	5.0	µg/L	50.0		96.6	40-140			
Fluoranthene (SIM)	47.7	12	µg/L	50.0		95.4	40-140			
Fluorene (SIM)	47.1	25	µg/L	50.0		94.2	40-140			
Indeno(1,2,3-cd)pyrene (SIM)	47.9	5.0	µg/L	50.0		95.8	40-140			
2-Methylnaphthalene (SIM)	45.5	25	µg/L	50.0		91.0	40-140			
Naphthalene (SIM)	45.0	25	µg/L	50.0		90.0	40-140			
Phenanthrene (SIM)	47.6	1.2	µg/L	50.0		95.2	40-140			
Pyrene (SIM)	48.1	25	µg/L	50.0		96.2	40-140			
Surrogate: Nitrobenzene-d5	98.6		µg/L	100		98.6	30-130			
Surrogate: 2-Fluorobiphenyl	107		µg/L	100		107	30-130			
Surrogate: p-Terphenyl-d14	86.8		µg/L	100		86.8	30-130			

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

QUALITY CONTROL

SPLP - Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B184797 - SW-846 3510C

LCS Dup (B184797-BSD1)

Prepared: 08/23/17 Analyzed: 08/24/17

Acenaphthene (SIM)	47.8	7.5	µg/L	50.0		95.6	40-140	2.54	20	
Acenaphthylene (SIM)	46.6	7.5	µg/L	50.0		93.1	40-140	2.23	20	
Anthracene (SIM)	49.8	5.0	µg/L	50.0		99.5	40-140	2.13	20	
Benzo(a)anthracene (SIM)	48.4	1.2	µg/L	50.0		96.8	40-140	2.35	20	
Benzo(a)pyrene (SIM)	51.9	2.5	µg/L	50.0		104	40-140	2.78	20	
Benzo(b)fluoranthene (SIM)	52.4	1.2	µg/L	50.0		105	40-140	1.97	20	
Benzo(g,h,i)perylene (SIM)	49.6	12	µg/L	50.0		99.3	40-140	3.54	20	
Benzo(k)fluoranthene (SIM)	51.3	5.0	µg/L	50.0		103	40-140	2.17	20	
Chrysene (SIM)	48.6	5.0	µg/L	50.0		97.3	40-140	2.87	20	
Dibenz(a,h)anthracene (SIM)	50.0	5.0	µg/L	50.0		100	40-140	3.36	20	
Fluoranthene (SIM)	49.6	12	µg/L	50.0		99.2	40-140	3.80	20	
Fluorene (SIM)	48.5	25	µg/L	50.0		97.0	40-140	2.82	20	
Indeno(1,2,3-cd)pyrene (SIM)	49.6	5.0	µg/L	50.0		99.1	40-140	3.33	20	‡
2-Methylnaphthalene (SIM)	46.2	25	µg/L	50.0		92.3	40-140	1.36	20	
Naphthalene (SIM)	45.6	25	µg/L	50.0		91.1	40-140	1.21	20	
Phenanthrene (SIM)	49.0	1.2	µg/L	50.0		98.0	40-140	2.90	20	
Pyrene (SIM)	48.2	25	µg/L	50.0		96.4	40-140	0.208	20	
Surrogate: Nitrobenzene-d5	98.6		µg/L	100		98.6	30-130			
Surrogate: 2-Fluorobiphenyl	107		µg/L	100		107	30-130			
Surrogate: p-Terphenyl-d14	86.3		µg/L	100		86.3	30-130			

Matrix Spike (B184797-MS1)

Source: 17H0959-02

Prepared: 08/23/17 Analyzed: 08/24/17

Acenaphthene (SIM)	47.5	7.5	µg/L	50.0	0.195	94.7	40-140			
Acenaphthylene (SIM)	46.2	7.5	µg/L	50.0	0.0310	92.3	40-140			
Anthracene (SIM)	49.0	5.0	µg/L	50.0	ND	98.0	40-140			
Benzo(a)anthracene (SIM)	47.2	1.2	µg/L	50.0	0.0470	94.4	40-140			
Benzo(a)pyrene (SIM)	50.6	2.5	µg/L	50.0	0.0430	101	40-140			
Benzo(b)fluoranthene (SIM)	50.9	1.2	µg/L	50.0	0.0580	102	40-140			
Benzo(g,h,i)perylene (SIM)	48.2	12	µg/L	50.0	0.0420	96.4	40-140			
Benzo(k)fluoranthene (SIM)	49.5	5.0	µg/L	50.0	0.0190	99.0	40-140			
Chrysene (SIM)	47.2	5.0	µg/L	50.0	0.0550	94.3	40-140			
Dibenz(a,h)anthracene (SIM)	48.6	5.0	µg/L	50.0	0.00800	97.1	40-140			
Fluoranthene (SIM)	48.7	12	µg/L	50.0	0.222	97.0	40-140			
Fluorene (SIM)	48.2	25	µg/L	50.0	0.125	96.2	40-140			
Indeno(1,2,3-cd)pyrene (SIM)	48.3	5.0	µg/L	50.0	0.0340	96.5	40-140			
2-Methylnaphthalene (SIM)	46.1	25	µg/L	50.0	0.104	92.0	40-140			
Naphthalene (SIM)	46.0	25	µg/L	50.0	0.339	91.3	40-140			
Phenanthrene (SIM)	48.6	1.2	µg/L	50.0	0.483	96.3	40-140			
Pyrene (SIM)	47.8	25	µg/L	50.0	0.194	95.2	40-140			
Surrogate: Nitrobenzene-d5	107		µg/L	100		107	30-130			
Surrogate: 2-Fluorobiphenyl	115		µg/L	100		115	30-130			
Surrogate: p-Terphenyl-d14	84.6		µg/L	100		84.6	30-130			

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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
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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 Public 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



17H09190
Phone: 413-525-2332
Fax: 413-525-6405

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: Malcolm Beeler (Weston & Sampson)
Invoice Recipient: Chris Berthiaume/Will Sirotek
Sampled By:

Client Sample ID / Description: WS-AOC2-SO-2-1

Beginning Date/Time: 8/3/17

Ending Date/Time: 9:10

Conc Code: U

Matrix Code: S

Grab: X

Composite: /

Data Delivery: EXCEL

Format: PDF

Other: /

Enhanced Data Package Required: /

Email To: beelerm@wseinc.com

Fax To #:

Request: 7-Day / 10-Day / 5-day / Other: /

Analysis Requested: VOCs, ETPH, PAHs, (Sonnhet) PCBs

Matrix Codes: GW = Ground Water, WW = Waste Water, DW = Drinking Water, A = Air, S = Soil/Solid, SL = Sludge, O = Other (please define)

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)

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

Program Information: MCP Analytical Certification Form Required, RCP Analysis Certification Form Required, MA State DW Form Required, PWSID #

Comments: WS-AOC2-SO-3-1 (MS-MSD) only for PCB and PAH! Please hold excess volumes for possible SPLP analyses.

Relinquished by: (signature) Date/Time: 8/3/17 14:58

Received by: (signature) Date/Time: 8-3-17 14:56

Relinquished by: (signature) Date/Time: 8-3-17 14:45

Received by: (signature) Date/Time: 8/3/17 10:45

Relinquished by: (signature) Date/Time: /

Received by: (signature) Date/Time: /

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 BLF Date 8/31/17 Time 11:45

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 - 3.1°C, 4.7°C
By Blank # Actual Temp -

Was Custody Seal Intact? NA 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 Client T Analysis T Sampler Name T
pertinent Information? 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? T
Proper Media/Containers Used? T Is splitting samples required? F
Were trip blanks received? PT On COC? NA 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	
Meoh-	9	250 mL Amb.		250 mL Plastic		4oz Amb/Clear	20
Bisulfate-		Col./Bacteria		Flashpoint		2oz Amb/Clear	
DI-	18	Other Plastic		Other Glass		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock		8/31/17 11:45	

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: 17H0959

Laboratory Sample ID(s):

17H0959-01 thru 17H0959-03

Sample Date(s):

08/03/2017

List RCP Methods Used:

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:
Position: Director of Operations
Printed Name: Daren J. Damboragian
Date: 08/24/17
Name of Laboratory: Con-Test Analytical Laboratory

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

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: 17H1163

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,

A handwritten signature in black ink, appearing to read "James Georgantas", with a long, sweeping horizontal line extending to the right.

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: 17H1163

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

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

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
WS-AOC14-CO-29	17H1163-01	Concrete		SW-846 8082A	
WS-AOC14-CO-30	17H1163-02	Concrete		SW-846 8082A	
WS-AOC14-CO-32	17H1163-03	Concrete		SW-846 8082A	
WS-AOC14-CO-33	17H1163-04	Concrete		SW-846 8082A	
WS-AOC14-CO-34	17H1163-05	Concrete		SW-846 8082A	
WS-AOC14-CO-36	17H1163-06	Concrete		SW-846 8082A	
WS-AOC14-CO-37	17H1163-07	Concrete		SW-846 8082A	
WS-AOC14-SE-34	17H1163-08	Product/Solid		SW-846 8082A	
WS-AOC14-SE-35	17H1163-09	Product/Solid		SW-846 8082A	
WS-AOC14-SE-36	17H1163-10	Product/Solid		SW-846 8082A	
WS-AOC14-SE-37	17H1163-11	Product/Solid		SW-846 8082A	

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:****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, B184889-MS1, B184889-MSD1

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

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

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

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

Sample Description:

Work Order: 17H1163

Date Received: 8/21/2017

Field Sample #: WS-AOC14-CO-29

Sampled: 8/21/2017 13:00

Sample ID: 17H1163-01

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 [2]	ND	0.10	mg/Kg	1		SW-846 8082A	8/24/17	8/31/17 6:55	TG
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/24/17	8/31/17 6:55	TG
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/24/17	8/31/17 6:55	TG
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/24/17	8/31/17 6:55	TG
Aroclor-1248 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/24/17	8/31/17 6:55	TG
Aroclor-1254 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/24/17	8/31/17 6:55	TG
Aroclor-1260 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/24/17	8/31/17 6:55	TG
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/24/17	8/31/17 6:55	TG
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/24/17	8/31/17 6:55	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	92.1	30-150							
Decachlorobiphenyl [2]	102	30-150							
Tetrachloro-m-xylene [1]	96.0	30-150							
Tetrachloro-m-xylene [2]	111	30-150							

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

Sample Description:

Work Order: 17H1163

Date Received: 8/21/2017

Field Sample #: WS-AOC14-CO-30

Sampled: 8/21/2017 13:10

Sample ID: 17H1163-02

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 [2]	ND	0.10	mg/Kg	1		SW-846 8082A	8/24/17	8/31/17 7:13	TG
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/24/17	8/31/17 7:13	TG
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/24/17	8/31/17 7:13	TG
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/24/17	8/31/17 7:13	TG
Aroclor-1248 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/24/17	8/31/17 7:13	TG
Aroclor-1254 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/24/17	8/31/17 7:13	TG
Aroclor-1260 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/24/17	8/31/17 7:13	TG
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/24/17	8/31/17 7:13	TG
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/24/17	8/31/17 7:13	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	88.1	30-150						8/31/17 7:13	
Decachlorobiphenyl [2]	97.6	30-150						8/31/17 7:13	
Tetrachloro-m-xylene [1]	90.9	30-150						8/31/17 7:13	
Tetrachloro-m-xylene [2]	107	30-150						8/31/17 7:13	

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

Sample Description:

Work Order: 17H1163

Date Received: 8/21/2017

Field Sample #: WS-AOC14-CO-32

Sampled: 8/21/2017 13:20

Sample ID: 17H1163-03

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 [2]	ND	0.10	mg/Kg	1		SW-846 8082A	8/24/17	8/31/17 7:30	TG
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/24/17	8/31/17 7:30	TG
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/24/17	8/31/17 7:30	TG
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/24/17	8/31/17 7:30	TG
Aroclor-1248 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/24/17	8/31/17 7:30	TG
Aroclor-1254 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/24/17	8/31/17 7:30	TG
Aroclor-1260 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/24/17	8/31/17 7:30	TG
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/24/17	8/31/17 7:30	TG
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/24/17	8/31/17 7:30	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	83.2	30-150						8/31/17 7:30	
Decachlorobiphenyl [2]	92.5	30-150						8/31/17 7:30	
Tetrachloro-m-xylene [1]	87.9	30-150						8/31/17 7:30	
Tetrachloro-m-xylene [2]	103	30-150						8/31/17 7:30	

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

Sample Description:

Work Order: 17H1163

Date Received: 8/21/2017

Field Sample #: WS-AOC14-CO-33

Sampled: 8/21/2017 13:30

Sample ID: 17H1163-04

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 [2]	ND	0.10	mg/Kg	1		SW-846 8082A	8/24/17	8/31/17 7:48	TG
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/24/17	8/31/17 7:48	TG
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/24/17	8/31/17 7:48	TG
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/24/17	8/31/17 7:48	TG
Aroclor-1248 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/24/17	8/31/17 7:48	TG
Aroclor-1254 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/24/17	8/31/17 7:48	TG
Aroclor-1260 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/24/17	8/31/17 7:48	TG
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/24/17	8/31/17 7:48	TG
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/24/17	8/31/17 7:48	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	80.3	30-150						8/31/17 7:48	
Decachlorobiphenyl [2]	90.4	30-150						8/31/17 7:48	
Tetrachloro-m-xylene [1]	83.3	30-150						8/31/17 7:48	
Tetrachloro-m-xylene [2]	97.4	30-150						8/31/17 7:48	

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

Sample Description:

Work Order: 17H1163

Date Received: 8/21/2017

Field Sample #: WS-AOC14-CO-34

Sampled: 8/21/2017 13:40

Sample ID: 17H1163-05

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 [2]	ND	0.10	mg/Kg	1		SW-846 8082A	8/24/17	8/31/17 8:06	TG
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/24/17	8/31/17 8:06	TG
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/24/17	8/31/17 8:06	TG
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/24/17	8/31/17 8:06	TG
Aroclor-1248 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/24/17	8/31/17 8:06	TG
Aroclor-1254 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/24/17	8/31/17 8:06	TG
Aroclor-1260 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/24/17	8/31/17 8:06	TG
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/24/17	8/31/17 8:06	TG
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/24/17	8/31/17 8:06	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	90.0	30-150						8/31/17 8:06	
Decachlorobiphenyl [2]	98.9	30-150						8/31/17 8:06	
Tetrachloro-m-xylene [1]	93.5	30-150						8/31/17 8:06	
Tetrachloro-m-xylene [2]	109	30-150						8/31/17 8:06	

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

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

Sample Description:

Work Order: 17H1163

Date Received: 8/21/2017

Field Sample #: WS-AOC14-CO-36

Sampled: 8/21/2017 13:50

Sample ID: 17H1163-06

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 [2]	ND	0.10	mg/Kg	1		SW-846 8082A	8/24/17	8/31/17 8:23	TG
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/24/17	8/31/17 8:23	TG
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/24/17	8/31/17 8:23	TG
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/24/17	8/31/17 8:23	TG
Aroclor-1248 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/24/17	8/31/17 8:23	TG
Aroclor-1254 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/24/17	8/31/17 8:23	TG
Aroclor-1260 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/24/17	8/31/17 8:23	TG
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/24/17	8/31/17 8:23	TG
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/24/17	8/31/17 8:23	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	90.1	30-150							
Decachlorobiphenyl [2]	100	30-150							
Tetrachloro-m-xylene [1]	85.8	30-150							
Tetrachloro-m-xylene [2]	103	30-150							

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

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

Sample Description:

Work Order: 17H1163

Date Received: 8/21/2017

Field Sample #: WS-AOC14-CO-37

Sampled: 8/21/2017 14:00

Sample ID: 17H1163-07

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 [2]	ND	0.10	mg/Kg	1		SW-846 8082A	8/24/17	8/31/17 8:41	TG
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/24/17	8/31/17 8:41	TG
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/24/17	8/31/17 8:41	TG
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/24/17	8/31/17 8:41	TG
Aroclor-1248 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/24/17	8/31/17 8:41	TG
Aroclor-1254 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/24/17	8/31/17 8:41	TG
Aroclor-1260 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/24/17	8/31/17 8:41	TG
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/24/17	8/31/17 8:41	TG
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/24/17	8/31/17 8:41	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	90.3	30-150							
Decachlorobiphenyl [2]	98.7	30-150							
Tetrachloro-m-xylene [1]	93.5	30-150							
Tetrachloro-m-xylene [2]	110	30-150							

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

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

Sample Description:

Work Order: 17H1163

Date Received: 8/21/2017

Field Sample #: WS-AOC14-SE-34

Sampled: 8/21/2017 13:45

Sample ID: 17H1163-08

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	8/24/17	9/2/17 14:54	JMB
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/24/17	9/2/17 14:54	JMB
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/24/17	9/2/17 14:54	JMB
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/24/17	9/2/17 14:54	JMB
Aroclor-1248 [1]	0.25	0.10	mg/Kg	1		SW-846 8082A	8/24/17	9/2/17 14:54	JMB
Aroclor-1254 [2]	0.26	0.10	mg/Kg	1		SW-846 8082A	8/24/17	9/2/17 14:54	JMB
Aroclor-1260 [2]	0.20	0.10	mg/Kg	1		SW-846 8082A	8/24/17	9/2/17 14:54	JMB
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/24/17	9/2/17 14:54	JMB
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/24/17	9/2/17 14:54	JMB
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	81.3	30-150						9/2/17 14:54	
Decachlorobiphenyl [2]	68.3	30-150						9/2/17 14:54	
Tetrachloro-m-xylene [1]	81.7	30-150						9/2/17 14:54	
Tetrachloro-m-xylene [2]	78.5	30-150						9/2/17 14:54	

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

Sample Description:

Work Order: 17H1163

Date Received: 8/21/2017

Field Sample #: WS-AOC14-SE-35

Sampled: 8/21/2017 13:42

Sample ID: 17H1163-09

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	8/24/17	9/2/17 15:12	JMB
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/24/17	9/2/17 15:12	JMB
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/24/17	9/2/17 15:12	JMB
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/24/17	9/2/17 15:12	JMB
Aroclor-1248 [2]	0.16	0.10	mg/Kg	1		SW-846 8082A	8/24/17	9/2/17 15:12	JMB
Aroclor-1254 [2]	0.20	0.10	mg/Kg	1		SW-846 8082A	8/24/17	9/2/17 15:12	JMB
Aroclor-1260 [2]	0.22	0.10	mg/Kg	1		SW-846 8082A	8/24/17	9/2/17 15:12	JMB
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/24/17	9/2/17 15:12	JMB
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/24/17	9/2/17 15:12	JMB
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	98.7	30-150							
Decachlorobiphenyl [2]	82.6	30-150							
Tetrachloro-m-xylene [1]	96.4	30-150							
Tetrachloro-m-xylene [2]	91.5	30-150							

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

Sample Description:

Work Order: 17H1163

Date Received: 8/21/2017

Field Sample #: WS-AOC14-SE-36

Sampled: 8/21/2017 13:50

Sample ID: 17H1163-10

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	8/24/17	9/2/17 15:30	JMB
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/24/17	9/2/17 15:30	JMB
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/24/17	9/2/17 15:30	JMB
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/24/17	9/2/17 15:30	JMB
Aroclor-1248 [1]	0.12	0.10	mg/Kg	1		SW-846 8082A	8/24/17	9/2/17 15:30	JMB
Aroclor-1254 [2]	0.15	0.10	mg/Kg	1		SW-846 8082A	8/24/17	9/2/17 15:30	JMB
Aroclor-1260 [2]	0.15	0.10	mg/Kg	1		SW-846 8082A	8/24/17	9/2/17 15:30	JMB
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/24/17	9/2/17 15:30	JMB
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/24/17	9/2/17 15:30	JMB
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	87.1	30-150						9/2/17 15:30	
Decachlorobiphenyl [2]	74.1	30-150						9/2/17 15:30	
Tetrachloro-m-xylene [1]	88.7	30-150						9/2/17 15:30	
Tetrachloro-m-xylene [2]	86.0	30-150						9/2/17 15:30	

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

Sample Description:

Work Order: 17H1163

Date Received: 8/21/2017

Field Sample #: WS-AOC14-SE-37

Sampled: 8/21/2017 14:05

Sample ID: 17H1163-11

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	8/24/17	9/2/17 15:48	JMB
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/24/17	9/2/17 15:48	JMB
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/24/17	9/2/17 15:48	JMB
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/24/17	9/2/17 15:48	JMB
Aroclor-1248 [1]	0.18	0.10	mg/Kg	1		SW-846 8082A	8/24/17	9/2/17 15:48	JMB
Aroclor-1254 [2]	0.21	0.10	mg/Kg	1		SW-846 8082A	8/24/17	9/2/17 15:48	JMB
Aroclor-1260 [2]	0.28	0.10	mg/Kg	1		SW-846 8082A	8/24/17	9/2/17 15:48	JMB
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/24/17	9/2/17 15:48	JMB
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/24/17	9/2/17 15:48	JMB
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	84.2	30-150						9/2/17 15:48	
Decachlorobiphenyl [2]	70.7	30-150						9/2/17 15:48	
Tetrachloro-m-xylene [1]	85.7	30-150						9/2/17 15:48	
Tetrachloro-m-xylene [2]	82.0	30-150						9/2/17 15:48	

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
17H1163-01 [WS-AOC14-CO-29]	B184889	2.00	10.0	08/24/17
17H1163-02 [WS-AOC14-CO-30]	B184889	2.00	10.0	08/24/17
17H1163-03 [WS-AOC14-CO-32]	B184889	2.00	10.0	08/24/17
17H1163-04 [WS-AOC14-CO-33]	B184889	2.00	10.0	08/24/17
17H1163-05 [WS-AOC14-CO-34]	B184889	2.00	10.0	08/24/17
17H1163-06 [WS-AOC14-CO-36]	B184889	2.00	10.0	08/24/17
17H1163-07 [WS-AOC14-CO-37]	B184889	2.00	10.0	08/24/17
17H1163-08 [WS-AOC14-SE-34]	B184889	2.00	10.0	08/24/17
17H1163-09 [WS-AOC14-SE-35]	B184889	2.00	10.0	08/24/17
17H1163-10 [WS-AOC14-SE-36]	B184889	2.00	10.0	08/24/17
17H1163-11 [WS-AOC14-SE-37]	B184889	2.00	10.0	08/24/17

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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 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

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
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Batch B184889 - SW-846 3540C

Matrix Spike (B184889-MS1)		Source: 17H1163-01		Prepared: 08/24/17 Analyzed: 08/31/17						
Aroclor-1016	0.86	0.10	mg/Kg	1.00	ND	86.5	40-140			R-05
Aroclor-1016 [2C]	0.82	0.10	mg/Kg	1.00	ND	82.1	40-140			
Aroclor-1260	0.68	0.10	mg/Kg	1.00	ND	68.1	40-140			
Aroclor-1260 [2C]	0.78	0.10	mg/Kg	1.00	ND	78.0	40-140			
Surrogate: Decachlorobiphenyl	0.763		mg/Kg	1.00		76.3	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.859		mg/Kg	1.00		85.9	30-150			
Surrogate: Tetrachloro-m-xylene	0.819		mg/Kg	1.00		81.9	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.980		mg/Kg	1.00		98.0	30-150			

Matrix Spike Dup (B184889-MSD1)		Source: 17H1163-01		Prepared: 08/24/17 Analyzed: 08/31/17						
Aroclor-1016	0.89	0.10	mg/Kg	1.00	ND	89.5	40-140	3.45	50	R-05
Aroclor-1016 [2C]	0.89	0.10	mg/Kg	1.00	ND	89.4	40-140	8.43	50	
Aroclor-1260	0.78	0.10	mg/Kg	1.00	ND	78.1	40-140	13.7	50	
Aroclor-1260 [2C]	0.86	0.10	mg/Kg	1.00	ND	86.4	40-140	10.2	50	
Surrogate: Decachlorobiphenyl	0.869		mg/Kg	1.00		86.9	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.977		mg/Kg	1.00		97.7	30-150			
Surrogate: Tetrachloro-m-xylene	0.869		mg/Kg	1.00		86.9	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	1.03		mg/Kg	1.00		103	30-150			

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC14-SE-34

Lab Sample ID: 17H1163-08 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	0.25	
	2	0.000	0.000	0.000	0.23	8.3
Aroclor-1254	1	0.000	0.000	0.000	0.23	
	2	0.000	0.000	0.000	0.26	12.2
Aroclor-1260	1	0.000	0.000	0.000	0.20	
	2	0.000	0.000	0.000	0.20	0.0

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC14-SE-35

Lab Sample ID: 17H1163-09 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	0.16	
	2	0.000	0.000	0.000	0.16	0.0
Aroclor-1254	1	0.000	0.000	0.000	0.17	
	2	0.000	0.000	0.000	0.20	16.2
Aroclor-1260	1	0.000	0.000	0.000	0.18	
	2	0.000	0.000	0.000	0.22	20.0

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC14-SE-36

Lab Sample ID: 17H1163-10 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	0.10	18.2
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	0.13	
	2	0.000	0.000	0.000	0.15	14.3

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC14-SE-37

Lab Sample ID: 17H1163-11 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	0.18	
	2	0.000	0.000	0.000	0.15	18.2
Aroclor-1254	1	0.000	0.000	0.000	0.15	
	2	0.000	0.000	0.000	0.21	33.3
Aroclor-1260	1	0.000	0.000	0.000	0.21	
	2	0.000	0.000	0.000	0.28	28.6

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332**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.
R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
S-23	Surrogate recovery outside of control limits in BS/MS spiked sample, all reported analytes are within control criteria, data not significantly affected.

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
<i>SW-846 8082A in Product/Solid</i>	
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 Public 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

CHAIN OF CUSTODY RECORD

Phone: 413-525-2332

Fax: 413-525-6405

Email: info@contestlabs.com

Weston & Sampson

273 Dividend Rd, Rocky Hill, CT

860-513-1473

English Station

510 Grand Ave, New Haven, CT

2170495

Malcolm Beeler

Con-Test Quote Name/Number:

Invoice Recipient: Malcolm Beeler (Weston & Sampson)

Sampled By: William Sirotnak

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 #:			

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	Matrix Code	Conc Code
1	WS-AOC14-G-29	8/21/17	1300	X		O	
2	WS-AOC14-G-30		1310				
3	WS-AOC14-G-32		1320				
4	WS-AOC14-G-33		1330				
5	WS-AOC14-G-34		1340				
6	WS-AOC14-G-36		1350				
7	WS-AOC14-G-37		1400				
8	WS-AOC14-SE-34		1345			SOL	
9	WS-AOC14-SE-35		1347			SOL	
10	WS-AOC14-SE-36		1350			SOL	

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

Please hold excess volumes for possible SPLP analyses.

Relinquished by: (signature)	Date/Time: 8/21/17 1500	Detection Limit Requirements	Special Requirements
Received by: (signature)	Date/Time: 8/21/17 1500	MA	MA MCP Required
Relinquished by: (signature)	Date/Time: 8/21/17 440	CT	MCP Certification Form Required
Received by: (signature)	Date/Time: 8/21/17 440		CT RCP Required
Relinquished by: (signature)	Date/Time: 8/21/17 1630	Other	RCP Certification Form Required
Received by: (signature)	Date/Time: 8/21/17 1630	PWSID #	MA State DW Required
Relinquished by: (signature)	Date/Time:	Project Entity	
Received by: (signature)	Date/Time:	Government	
		Federal	
		City	
		Municipality	
		21 J	
		Brownfield	
		MWRA	
		School	
		MBTA	
		WRTA	
		Chromatogram	
		AIHA-LAP, LLC	
		Other	
		NEIAC and AIHA-LAP, LLC Accredited	



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 SM 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 Client T Analysis T Sampler Name T
pertinent Information? Project T ID's T Collection Dates/Times T

Are Sample labels filled out and legible? T
Are there Lab to Filters? N/A
Are there Rushes? N/A
Are there Short Holds? N/A
Is there enough Volume? T
Is there Headspace where applicable? N/A
Proper Media/Containers Used? T
Were trip blanks received? N/A
Do all samples have the proper pH? N/A

Who was notified?
Who was notified?
Who was notified?

MS/MSD? N/A
Is splitting samples required? N/A
On COC? 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
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: 17H1163

Laboratory Sample ID(s):

17H1163-01 thru 17H1163-11

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:
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.

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: 17H1209

Enclosed are results of analyses for samples received by the laboratory on August 22, 2017. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink, appearing to read "James Georgantas", with a long, sweeping horizontal line extending to the right.

James M. Georgantas
Project Manager

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332Weston & 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: 17H1209

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

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

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
WS-AOC14-CO-38	17H1209-01	Product/Solid		SW-846 8082A	
WS-AOC14-CO-39	17H1209-02	Product/Solid		SW-846 8082A	
WS-AOC14-CO-40	17H1209-03	Product/Solid		SW-846 8082A	
WS-AOC14-CO-41	17H1209-04	Product/Solid		SW-846 8082A	
WS-AOC14-SE-38	17H1209-05	Product/Solid		SW-846 8082A	
WS-AOC14-SE-39	17H1209-06	Product/Solid		SW-846 8082A	
WS-AOC14-SE-40	17H1209-07	Product/Solid		SW-846 8082A	
WS-AOC14-SE-41	17H1209-08	Product/Solid		SW-846 8082A	
WS-AOC14-SE-42	17H1209-09	Product/Solid		SW-846 8082A	

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CASE NARRATIVE SUMMARY

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

SW-846 8082A

Qualifications:

DL-03

Elevated reporting limit due to matrix.

Analyte & Samples(s) Qualified:

17H1209-01[WS-AOC14-CO-38], 17H1209-02[WS-AOC14-CO-39], 17H1209-03[WS-AOC14-CO-40], 17H1209-06[WS-AOC14-SE-39], 17H1209-07[WS-AOC14-SE-40],
17H1209-08[WS-AOC14-SE-41]

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.

A handwritten signature in black ink, appearing to read "Tod Kopyscinski", with a stylized, cursive script.

Tod E. Kopyscinski
Laboratory Director

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

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

Sample Description:

Work Order: 17H1209

Date Received: 8/22/2017

Field Sample #: WS-AOC14-CO-38

Sampled: 8/22/2017 09:30

Sample ID: 17H1209-01

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	0.50	mg/Kg	5		SW-846 8082A	8/25/17	9/1/17 11:29	KAL
Aroclor-1221 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	8/25/17	9/1/17 11:29	KAL
Aroclor-1232 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	8/25/17	9/1/17 11:29	KAL
Aroclor-1242 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	8/25/17	9/1/17 11:29	KAL
Aroclor-1248 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	8/25/17	9/1/17 11:29	KAL
Aroclor-1254 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	8/25/17	9/1/17 11:29	KAL
Aroclor-1260 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	8/25/17	9/1/17 11:29	KAL
Aroclor-1262 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	8/25/17	9/1/17 11:29	KAL
Aroclor-1268 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	8/25/17	9/1/17 11:29	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	89.6	30-150						9/1/17 11:29	
Decachlorobiphenyl [2]	96.6	30-150						9/1/17 11:29	
Tetrachloro-m-xylene [1]	99.7	30-150						9/1/17 11:29	
Tetrachloro-m-xylene [2]	91.0	30-150						9/1/17 11:29	

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

Sample Description:

Work Order: 17H1209

Date Received: 8/22/2017

Field Sample #: WS-AOC14-CO-39

Sampled: 8/22/2017 09:40

Sample ID: 17H1209-02

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	0.50	mg/Kg	5		SW-846 8082A	8/25/17	9/1/17 11:41	KAL
Aroclor-1221 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	8/25/17	9/1/17 11:41	KAL
Aroclor-1232 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	8/25/17	9/1/17 11:41	KAL
Aroclor-1242 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	8/25/17	9/1/17 11:41	KAL
Aroclor-1248 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	8/25/17	9/1/17 11:41	KAL
Aroclor-1254 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	8/25/17	9/1/17 11:41	KAL
Aroclor-1260 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	8/25/17	9/1/17 11:41	KAL
Aroclor-1262 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	8/25/17	9/1/17 11:41	KAL
Aroclor-1268 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	8/25/17	9/1/17 11:41	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	83.6	30-150						9/1/17 11:41	
Decachlorobiphenyl [2]	85.5	30-150						9/1/17 11:41	
Tetrachloro-m-xylene [1]	97.9	30-150						9/1/17 11:41	
Tetrachloro-m-xylene [2]	95.0	30-150						9/1/17 11:41	

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

Sample Description:

Work Order: 17H1209

Date Received: 8/22/2017

Field Sample #: WS-AOC14-CO-40

Sampled: 8/22/2017 09:50

Sample ID: 17H1209-03

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	0.50	mg/Kg	5		SW-846 8082A	8/25/17	9/1/17 11:53	KAL
Aroclor-1221 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	8/25/17	9/1/17 11:53	KAL
Aroclor-1232 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	8/25/17	9/1/17 11:53	KAL
Aroclor-1242 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	8/25/17	9/1/17 11:53	KAL
Aroclor-1248 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	8/25/17	9/1/17 11:53	KAL
Aroclor-1254 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	8/25/17	9/1/17 11:53	KAL
Aroclor-1260 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	8/25/17	9/1/17 11:53	KAL
Aroclor-1262 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	8/25/17	9/1/17 11:53	KAL
Aroclor-1268 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	8/25/17	9/1/17 11:53	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	78.3	30-150						9/1/17 11:53	
Decachlorobiphenyl [2]	81.8	30-150						9/1/17 11:53	
Tetrachloro-m-xylene [1]	88.8	30-150						9/1/17 11:53	
Tetrachloro-m-xylene [2]	91.5	30-150						9/1/17 11:53	

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

Sample Description:

Work Order: 17H1209

Date Received: 8/22/2017

Field Sample #: WS-AOC14-CO-41

Sampled: 8/22/2017 10:00

Sample ID: 17H1209-04

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	8/25/17	9/1/17 5:49	KAL
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/25/17	9/1/17 5:49	KAL
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/25/17	9/1/17 5:49	KAL
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/25/17	9/1/17 5:49	KAL
Aroclor-1248 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/25/17	9/1/17 5:49	KAL
Aroclor-1254 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/25/17	9/1/17 5:49	KAL
Aroclor-1260 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/25/17	9/1/17 5:49	KAL
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/25/17	9/1/17 5:49	KAL
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/25/17	9/1/17 5:49	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	90.1	30-150							
Decachlorobiphenyl [2]	78.2	30-150							
Tetrachloro-m-xylene [1]	106	30-150							
Tetrachloro-m-xylene [2]	72.9	30-150							

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

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

Sample Description:

Work Order: 17H1209

Date Received: 8/22/2017

Field Sample #: WS-AOC14-SE-38

Sampled: 8/22/2017 09:35

Sample ID: 17H1209-05

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	8/25/17	9/1/17 6:07	KAL
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/25/17	9/1/17 6:07	KAL
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/25/17	9/1/17 6:07	KAL
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/25/17	9/1/17 6:07	KAL
Aroclor-1248 [1]	0.10	0.10	mg/Kg	1		SW-846 8082A	8/25/17	9/1/17 6:07	KAL
Aroclor-1254 [2]	0.13	0.10	mg/Kg	1		SW-846 8082A	8/25/17	9/1/17 6:07	KAL
Aroclor-1260 [2]	0.17	0.10	mg/Kg	1		SW-846 8082A	8/25/17	9/1/17 6:07	KAL
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/25/17	9/1/17 6:07	KAL
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/25/17	9/1/17 6:07	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	96.9	30-150							
Decachlorobiphenyl [2]	83.6	30-150							
Tetrachloro-m-xylene [1]	104	30-150							
Tetrachloro-m-xylene [2]	71.2	30-150							

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

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

Sample Description:

Work Order: 17H1209

Date Received: 8/22/2017

Field Sample #: WS-AOC14-SE-39

Sampled: 8/22/2017 09:45

Sample ID: 17H1209-06

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	0.50	mg/Kg	5		SW-846 8082A	8/25/17	9/1/17 12:06	KAL
Aroclor-1221 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	8/25/17	9/1/17 12:06	KAL
Aroclor-1232 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	8/25/17	9/1/17 12:06	KAL
Aroclor-1242 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	8/25/17	9/1/17 12:06	KAL
Aroclor-1248 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	8/25/17	9/1/17 12:06	KAL
Aroclor-1254 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	8/25/17	9/1/17 12:06	KAL
Aroclor-1260 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	8/25/17	9/1/17 12:06	KAL
Aroclor-1262 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	8/25/17	9/1/17 12:06	KAL
Aroclor-1268 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	8/25/17	9/1/17 12:06	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	81.5	30-150							
Decachlorobiphenyl [2]	87.2	30-150							
Tetrachloro-m-xylene [1]	93.4	30-150							
Tetrachloro-m-xylene [2]	90.8	30-150							

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

Sample Description:

Work Order: 17H1209

Date Received: 8/22/2017

Field Sample #: WS-AOC14-SE-40

Sampled: 8/22/2017 09:55

Sample ID: 17H1209-07

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	0.50	mg/Kg	5		SW-846 8082A	8/25/17	9/1/17 12:18	KAL
Aroclor-1221 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	8/25/17	9/1/17 12:18	KAL
Aroclor-1232 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	8/25/17	9/1/17 12:18	KAL
Aroclor-1242 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	8/25/17	9/1/17 12:18	KAL
Aroclor-1248 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	8/25/17	9/1/17 12:18	KAL
Aroclor-1254 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	8/25/17	9/1/17 12:18	KAL
Aroclor-1260 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	8/25/17	9/1/17 12:18	KAL
Aroclor-1262 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	8/25/17	9/1/17 12:18	KAL
Aroclor-1268 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	8/25/17	9/1/17 12:18	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	84.1	30-150							
Decachlorobiphenyl [2]	91.4	30-150							
Tetrachloro-m-xylene [1]	94.7	30-150							
Tetrachloro-m-xylene [2]	95.2	30-150							

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

Sample Description:

Work Order: 17H1209

Date Received: 8/22/2017

Field Sample #: WS-AOC14-SE-41

Sampled: 8/22/2017 10:05

Sample ID: 17H1209-08

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	0.50	mg/Kg	5		SW-846 8082A	8/25/17	9/1/17 12:31	KAL
Aroclor-1221 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	8/25/17	9/1/17 12:31	KAL
Aroclor-1232 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	8/25/17	9/1/17 12:31	KAL
Aroclor-1242 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	8/25/17	9/1/17 12:31	KAL
Aroclor-1248 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	8/25/17	9/1/17 12:31	KAL
Aroclor-1254 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	8/25/17	9/1/17 12:31	KAL
Aroclor-1260 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	8/25/17	9/1/17 12:31	KAL
Aroclor-1262 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	8/25/17	9/1/17 12:31	KAL
Aroclor-1268 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	8/25/17	9/1/17 12:31	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	77.8	30-150						9/1/17 12:31	
Decachlorobiphenyl [2]	83.5	30-150						9/1/17 12:31	
Tetrachloro-m-xylene [1]	92.7	30-150						9/1/17 12:31	
Tetrachloro-m-xylene [2]	88.2	30-150						9/1/17 12:31	

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

Sample Description:

Work Order: 17H1209

Date Received: 8/22/2017

Field Sample #: WS-AOC14-SE-42

Sampled: 8/22/2017 10:10

Sample ID: 17H1209-09

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	8/25/17	9/1/17 7:17	KAL
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/25/17	9/1/17 7:17	KAL
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/25/17	9/1/17 7:17	KAL
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/25/17	9/1/17 7:17	KAL
Aroclor-1248 [2]	0.10	0.10	mg/Kg	1		SW-846 8082A	8/25/17	9/1/17 7:17	KAL
Aroclor-1254 [1]	0.17	0.10	mg/Kg	1		SW-846 8082A	8/25/17	9/1/17 7:17	KAL
Aroclor-1260 [1]	0.32	0.10	mg/Kg	1		SW-846 8082A	8/25/17	9/1/17 7:17	KAL
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/25/17	9/1/17 7:17	KAL
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/25/17	9/1/17 7:17	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	96.5	30-150						9/1/17 7:17	
Decachlorobiphenyl [2]	83.9	30-150						9/1/17 7:17	
Tetrachloro-m-xylene [1]	103	30-150						9/1/17 7:17	
Tetrachloro-m-xylene [2]	70.3	30-150						9/1/17 7:17	

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
17H1209-01 [WS-AOC14-CO-38]	B184964	2.00	10.0	08/25/17
17H1209-02 [WS-AOC14-CO-39]	B184964	2.00	10.0	08/25/17
17H1209-03 [WS-AOC14-CO-40]	B184964	2.00	10.0	08/25/17
17H1209-04 [WS-AOC14-CO-41]	B184964	2.00	10.0	08/25/17
17H1209-05 [WS-AOC14-SE-38]	B184964	2.00	10.0	08/25/17
17H1209-06 [WS-AOC14-SE-39]	B184964	2.00	10.0	08/25/17
17H1209-07 [WS-AOC14-SE-40]	B184964	2.00	10.0	08/25/17
17H1209-08 [WS-AOC14-SE-41]	B184964	2.00	10.0	08/25/17
17H1209-09 [WS-AOC14-SE-42]	B184964	2.00	10.0	08/25/17

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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
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Batch B184964 - SW-846 3540C
Blank (B184964-BLK1)

Prepared: 08/25/17 Analyzed: 09/01/17

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	0.860		mg/Kg	1.00		86.0	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.746		mg/Kg	1.00		74.6	30-150			
Surrogate: Tetrachloro-m-xylene	0.990		mg/Kg	1.00		99.0	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.710		mg/Kg	1.00		71.0	30-150			

LCS (B184964-BS1)

Prepared: 08/25/17 Analyzed: 09/01/17

Aroclor-1016	0.88	0.10	mg/Kg	1.00		88.3	40-140			
Aroclor-1016 [2C]	0.78	0.10	mg/Kg	1.00		77.7	40-140			
Aroclor-1260	0.81	0.10	mg/Kg	1.00		80.5	40-140			
Aroclor-1260 [2C]	0.78	0.10	mg/Kg	1.00		77.6	40-140			
Surrogate: Decachlorobiphenyl	0.918		mg/Kg	1.00		91.8	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.776		mg/Kg	1.00		77.6	30-150			
Surrogate: Tetrachloro-m-xylene	1.06		mg/Kg	1.00		106	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.724		mg/Kg	1.00		72.4	30-150			

LCS Dup (B184964-BSD1)

Prepared: 08/25/17 Analyzed: 09/01/17

Aroclor-1016	0.72	0.10	mg/Kg	1.00		72.0	40-140	20.3	30	
Aroclor-1016 [2C]	0.63	0.10	mg/Kg	1.00		62.6	40-140	21.5	30	
Aroclor-1260	0.64	0.10	mg/Kg	1.00		64.4	40-140	22.3	30	
Aroclor-1260 [2C]	0.63	0.10	mg/Kg	1.00		62.8	40-140	21.0	30	
Surrogate: Decachlorobiphenyl	0.702		mg/Kg	1.00		70.2	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.678		mg/Kg	1.00		67.8	30-150			
Surrogate: Tetrachloro-m-xylene	0.835		mg/Kg	1.00		83.5	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.679		mg/Kg	1.00		67.9	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
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Batch B184964 - SW-846 3540C

Matrix Spike (B184964-MS1)

Source: 17H1209-01

Prepared: 08/25/17 Analyzed: 09/01/17

Aroclor-1016	1.1	1.0	mg/Kg	1.00	ND	111	40-140			
Aroclor-1016 [2C]	0.99	1.0	mg/Kg	1.00	ND	99.4	40-140			
Aroclor-1260	0.78	1.0	mg/Kg	1.00	ND	78.0	40-140			
Aroclor-1260 [2C]	0.78	1.0	mg/Kg	1.00	ND	77.6	40-140			
Surrogate: Decachlorobiphenyl	0.688		mg/Kg	1.00		68.8	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.698		mg/Kg	1.00		69.8	30-150			
Surrogate: Tetrachloro-m-xylene	0.895		mg/Kg	1.00		89.5	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	1.05		mg/Kg	1.00		105	30-150			

Matrix Spike Dup (B184964-MSD1)

Source: 17H1209-01

Prepared: 08/25/17 Analyzed: 09/01/17

Aroclor-1016	1.2	1.0	mg/Kg	1.00	ND	122	40-140	9.45	50	
Aroclor-1016 [2C]	0.95	1.0	mg/Kg	1.00	ND	95.1	40-140	4.39	50	
Aroclor-1260	0.83	1.0	mg/Kg	1.00	ND	83.1	40-140	6.33	50	
Aroclor-1260 [2C]	0.84	1.0	mg/Kg	1.00	ND	84.1	40-140	8.04	50	
Surrogate: Decachlorobiphenyl	0.721		mg/Kg	1.00		72.1	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.739		mg/Kg	1.00		73.9	30-150			
Surrogate: Tetrachloro-m-xylene	0.931		mg/Kg	1.00		93.1	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.973		mg/Kg	1.00		97.3	30-150			

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES****WS-AOC14-SE-38***SW-846 8082A*Lab Sample ID: 17H1209-05 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	0.13	
	2	0.000	0.000	0.000	0.13	0.0
Aroclor-1260	1	0.000	0.000	0.000	0.16	
	2	0.000	0.000	0.000	0.17	6.1

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC14-SE-42

Lab Sample ID: 17H1209-09 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-1248	1	0.000	0.000	0.000	0.10	
	2	0.000	0.000	0.000	0.10	0.0
Aroclor-1254	1	0.000	0.000	0.000	0.17	
	2	0.000	0.000	0.000	0.17	0.0
Aroclor-1260	1	0.000	0.000	0.000	0.32	
	2	0.000	0.000	0.000	0.31	3.2

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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.