con-test® ANALYTICAL LABORATORY

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

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC-07-SO-7-3R

Lab Sample ID: 17I0542-15

Date(s) Analyzed: 09/25/2017 09/25/2017

Instrument ID (1):

Instrument ID (2):

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	-0.030	0.030	330	
	1	0.000	0.000	0.000	1.6	
	2	0.000	-0.030	0.030	330	0.0
	2	0.000	0.000	0.000	1.6	0.0

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC-07-SO-8-1R

Lab Sample ID: 17I0542-16

Date(s) Analyzed: 09/25/2017 09/25/2017

Instrument ID (1):

Instrument ID (2):

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	-0.030	0.030	1.5	
	1	0.000	0.000	0.000	0.27	
	2	0.000	0.000	0.000	0.26	3.8
	2	0.000	-0.030	0.030	1.6	6.5

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit
DL	Method Detection Limit
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
B	Analyte is found in the associated blank as well as in the sample.
B-07	Data is not affected by elevated level in blank since sample result is >10x level found in the blank.
E	Reported result is estimated. Value reported over verified calibration range.
L-07	Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD between the two LFB/LCS results is within method specified criteria.
MS-08	Matrix spike 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.
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.
RL-12	Elevated reporting limit due to matrix interference.
S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences.

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
CTDEP ETPH in Soil	
CT ETPH	CT
CTDEP ETPH in Water	
CT ETPH	CT
SW-846 8082A in Soil	
Aroclor-1016	CT,NH,NY,ME,NC,VA
Aroclor-1016 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1221	CT,NH,NY,ME,NC,VA
Aroclor-1221 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1232	CT,NH,NY,ME,NC,VA
Aroclor-1232 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1242	CT,NH,NY,ME,NC,VA
Aroclor-1242 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1248	CT,NH,NY,ME,NC,VA
Aroclor-1248 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1254	CT,NH,NY,ME,NC,VA
Aroclor-1254 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1260	CT,NH,NY,ME,NC,VA
Aroclor-1260 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1262	NY,NC,VA
Aroclor-1262 [2C]	NY,NC,VA
Aroclor-1268	NY,NC,VA
Aroclor-1268 [2C]	NY,NC,VA
SW-846 8270D in Soil	
Acenaphthene	CT,NY,NH,ME,NC,VA
Acenaphthylene	CT,NY,NH,ME,NC,VA
Anthracene	CT,NY,NH,ME,NC,VA
Benzo(a)anthracene	CT,NY,NH,ME,NC,VA
Benzo(a)pyrene	CT,NY,NH,ME,NC,VA
Benzo(b)fluoranthene	CT,NY,NH,ME,NC,VA
Benzo(g,h,i)perylene	CT,NY,NH,ME,NC,VA
Benzo(k)fluoranthene	CT,NY,NH,ME,NC,VA
Chrysene	CT,NY,NH,ME,NC,VA
Dibenz(a,h)anthracene	CT,NY,NH,ME,NC,VA
Fluoranthene	CT,NY,NH,ME,NC,VA
Fluorene	CT,NY,NH,ME,NC,VA
Indeno(1,2,3-cd)pyrene	CT,NY,NH,ME,NC,VA
2-Methylnaphthalene	CT,NY,NH,ME,NC,VA
Naphthalene	CT,NY,NH,ME,NC,VA
Phenanthrene	CT,NY,NH,ME,NC,VA
Pyrene	CT,NY,NH,ME,NC,VA

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

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

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

17I0542

con-test ANALYTICAL LABORATORY

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

http://www.contestlabs.com

Doc # 381 Rev 0 5 8 2015

CHAIN OF CUSTODY RECORD

39 Spruce Street
East Longmeadow, MA 01028

Page 1 of 2

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

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

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

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

ANALYSIS REQUESTED

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	[1]Matrix Code	Conc Code	PCBs Soxhlet	SPLP PCBs	PAHs	SPLP PAHs													
								1		1														# of Containers
								I		I														[2] Preservation Code
								A		A														[3] Container Code
01	WS-AOC-13-SO-5-3R	9/13/17	1217		X	S	U			X	X													
02	WS-AOC-13-SO-6-1R	9/13/17	1226		X	S	U	X	X															
03	WS-AOC-13-SO-9-3R	9/13/17	1236		X	S	U			X	X													
04	WS-AOC-13-SO-19-2R	9/13/17	1246		X	S	U	X	X															
05	WS-AOC-13-SO-21-1R	9/13/17	1253		X	S	U			X	X													
06	WS-AOC-13-SO-22-2R	9/13/17	1303		X	S	U	X	X															
07	WS-AOC-13-SO-23-1R	9/13/17	1310		X	S	U	X	X															
08	WS-AOC-13-SO-23-2R	9/13/17	1311		X	S	U	X	X															
09	WS-AOC-13-SO-23-3R	9/13/17	1312		X	S	U	X	X															
10	WS-AOC-13-SO-25-4R	9/13/17	1332		X	S	U	X	X															

Dissolved Metals Samples
○ Field Filtered
○ Lab to Filter

Orthophosphate Samples
○ Field Filtered
○ Lab to Filter

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

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

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

Comments:

[redacted]

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

Relinquished by: (signature)	Date/Time: 9/13/17 1515
Received by: (signature)	Date/Time: 9/13/17 1515
Relinquished by: (signature)	Date/Time: 9/13/17 1617
Received by: (signature)	Date/Time: 9/13/17 1617
Relinquished by: (signature)	Date/Time: 9/13/17 1830
Received by: (signature)	Date/Time: 9/13/17 1830

Detection Limit Requirements
MA
CT RES DEC
Other:

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

NELAC and AIHA-LAP, LLC Accredited

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

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Doc # 381 Rev 0 5 8 2015

CHAIN OF CUSTODY RECORD

39 Spruce Street
East Longmeadow, MA 01028

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

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

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

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

ANALYSIS REQUESTED

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	[1]Matrix Code	Conc Code	PCBs, Soxhlet	SPLP PCBs	PAHs	SPLP PAHs	ETPH	SPLP ETPH							# of Containers	[2] Preservation Code	[3] Container Code
																				1	I	A
11	WS-AOC-07-SO-2-3R	9/13/17	1420		X	S	U					X	X									
12	WS-AOC-07-SO-3-3R		1400									X	X									
13	WS-AOC-07-SO-4-3R		1437									X	X									
14	WS-AOC-07-SO-7-2R		1425					X	X													
15	WS-AOC-07-SO-7-3R		1426					X	X													
16	WS-AOC-07-SO-8-1R		1446					X	X													
17	WS-AOC-07-SO-9-3R		1453							X	X	X	X									
18	WS-AOC-07-SO DUP62	↓	—		↓	↓	↓					X	X									

Dissolved Metals Samples
○ Field Filtered
○ Lab to Filter

Orthophosphate Samples
○ Field Filtered
○ Lab to Filter

[1] **Matrix Codes:**
GW = Ground Water
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[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.~~ MB

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

Relinquished by: (signature)	Date/Time: 9/13/17 1515
Received by: (signature)	Date/Time: 9/13/17 1515
Relinquished by: (signature)	Date/Time: 9/13/17 1617
Received by: (signature)	Date/Time: 9/13/17 1617
Relinquished by: (signature)	Date/Time: 9/13/17 1830
Received by: (signature) 4°C	Date/Time: 9/13/17 1830

Detection Limit Requirements
MA
CT RES DEC
Other:

Program Information

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

NELAC and AIHA-LAP, LLC Accredited

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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 9/13/17 Time 1830

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
By Blank # ____ Actual Temp - ____

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

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.	
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear	19
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear	
Bisulfate-		Col./Bacteria		Flashpoint		2oz Amb/Clear	
DI-		Other Plastic		Other Glass		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Unused Media

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

Comments:

D:\HPCHEM\1\DATA\A092117\A0921006.D

CT ETPH DISCRIMINATION CHECK

Date Acquired	9/21/17
Data File Name	A0921006.D
Sample Name	ETPH 1500
Instrument Name	5890DFID

Compound	Ret Time	Target Response	Average Response	*%D +/- 20
c - 9	1.29	434666	469136	-7
c - 10	1.64	444552	469136	-5
c - 12	2.37	462305	469136	-1
c - 14	3.04	472466	469136	1
c - 16	3.65	483524	469136	3
c - 18	4.28	480653	469136	2
o-Terphenyl	4.57	531990	469136	
c - 20	4.89	487648	469136	4
c - 22	5.39	495927	469136	6
c - 24	5.83	461697	469136	-2
c - 26	6.23	483879	469136	3
c - 28	6.59	475962	469136	1
c - 30	6.92	469828	469136	0
c - 32	7.23	458411	469136	-2
c - 34	7.53	461160	469136	-2
c - 36	7.87	464367	469136	-1

* One compound allowed %D <= 50%

Samples

17I0542-11@20X
17I0542-12@20X

D:\HPCHEM\1\DATA\A092217\A0922010.D

CT ETPH DISCRIMINATION CHECK

Date Acquired	9/22/17
Data File Name	A0922010.D
Sample Name	ETPH 1500
Instrument Name	5890DFID

Compound	Ret Time	Target Response	Average Response	*%D +/- 20
c - 9	1.29	456974	510786	-11
c - 10	1.64	466738	510786	-9
c - 12	2.37	484085	510786	-5
c - 14	3.04	497302	510786	-3
c - 16	3.65	511067	510786	0
c - 18	4.28	508886	510786	0
o-Terphenyl	4.56	565226	510786	
c - 20	4.89	519958	510786	2
c - 22	5.39	533618	510786	4
c - 24	5.83	503071	510786	-2
c - 26	6.22	535236	510786	5
c - 28	6.59	533954	510786	5
c - 30	6.92	535047	510786	5
c - 32	7.23	522753	510786	2
c - 34	7.53	527123	510786	3
c - 36	7.87	525978	510786	3

* One compound allowed %D <= 50%

Samples

17I0542-13@20X
17I0542-17@20X
17I0542-18@100X

D:\HPCHEM\1\DATA\A092517\A0925006.D

CT ETPH DISCRIMINATION CHECK

Date Acquired	9/25/17
Data File Name	A0925006.D
Sample Name	ETPH 1500
Instrument Name	5890DFID

Compound	Ret Time	Target Response	Average Response	*%D +/- 20
c - 9	1.29	458707	504043	-9
c - 10	1.64	467983	504043	-7
c - 12	2.37	485882	504043	-4
c - 14	3.04	498008	504043	-1
c - 16	3.65	511626	504043	2
c - 18	4.28	509046	504043	1
o-Terphenyl	4.56	566876	504043	
c - 20	4.89	518484	504043	3
c - 22	5.39	530526	504043	5
c - 24	5.83	498660	504043	-1
c - 26	6.22	529131	504043	5
c - 28	6.58	524835	504043	4
c - 30	6.92	520598	504043	3
c - 32	7.23	505300	504043	0
c - 34	7.52	502911	504043	0
c - 36	7.86	498949	504043	-1

* One compound allowed %D <= 50%

Samples
17I0861-05
17I0912-01
17I0861-06@10X
17I0542-12RE1@5X
17I0542-18RE@5X

D:\HPCHEM\1\DATA\A092417.SEC\A0924063.D

CT ETPH DISCRIMINATION CHECK

Date Acquired	9/25/17
Data File Name	A0924063.D
Sample Name	ETPH 1500
Instrument Name	5890DFID

Compound	Ret Time	Target Response	Average Response	*%D +/- 20
c - 9	1.28	607595	632732	-4
c - 10	1.62	617625	632732	-2
c - 12	2.35	634559	632732	0
c - 14	3.01	643805	632732	2
c - 16	3.61	653185	632732	3
c - 18	4.22	640245	632732	1
o-Terphenyl	4.51	708020	632732	
c - 20	4.83	643337	632732	2
c - 22	5.33	649991	632732	3
c - 24	5.77	605843	632732	-4
c - 26	6.16	640178	632732	1
c - 28	6.52	636765	632732	1
c - 30	6.85	635937	632732	1
c - 32	7.16	624468	632732	-1
c - 34	7.45	628234	632732	-1
c - 36	7.76	629210	632732	-1

* One compound allowed %D <= 50%

Samples
17I0798-04
17I0831-07
17I0837-08
17I0837-14
17I0837-15
17I0798-03
17I0542-11RE1
17I0542-17RE1

D:\HPCHEM\1\DATA\A092517.SEC\A0925007.D

CT ETPH DISCRIMINATION CHECK

Date Acquired	9/25/17
Data File Name	A0925007.D
Sample Name	ETPH 1500
Instrument Name	5890DFID

Compound	Ret Time	Target Response	Average Response	*%D +/- 20
c - 9	1.28	550181	571416	-4
c - 10	1.62	558960	571416	-2
c - 12	2.34	575407	571416	1
c - 14	3.01	583321	571416	2
c - 16	3.61	591185	571416	3
c - 18	4.22	578576	571416	1
o-Terphenyl	4.51	640865	571416	
c - 20	4.83	581340	571416	2
c - 22	5.33	586997	571416	3
c - 24	5.77	546887	571416	-4
c - 26	6.16	577444	571416	1
c - 28	6.52	573951	571416	0
c - 30	6.85	572464	571416	0
c - 32	7.16	561876	571416	-2
c - 34	7.45	565482	571416	-1
c - 36	7.76	567162	571416	-1

* One compound allowed %D <= 50%

Samples
17I0850-01@5X
17I0797-02@5X
17I0797-03@10X
17I0797-04@5X
17I0797-05@5X
17I0902-02@20X
17I0902-01@20X
17I0912-03
17I0912-04

D:\HPCHEM\1\DATA\A092217.SEC\A0922121.D

CT ETPH DISCRIMINATION CHECK

Date Acquired	9/23/17
Data File Name	A0922121.D
Sample Name	ETPH 1500
Instrument Name	5890DFID

Compound	Ret Time	Target Response	Average Response	*%D +/- 20
c - 9	1.28	659065	692705	-5
c - 10	1.63	676853	692705	-2
c - 12	2.34	696615	692705	1
c - 14	3.01	705509	692705	2
c - 16	3.61	715434	692705	3
c - 18	4.23	701293	692705	1
o-Terphenyl	4.51	777996	692705	
c - 20	4.83	704827	692705	2
c - 22	5.33	711702	692705	3
c - 24	5.77	662635	692705	-4
c - 26	6.16	699493	692705	1
c - 28	6.52	695175	692705	0
c - 30	6.85	696813	692705	1
c - 32	7.16	685743	692705	-1
c - 34	7.45	689613	692705	0
c - 36	7.76	689800	692705	0

* One compound allowed %D <= 50%

Samples
17I0750-03

D:\HPCHEM\1\DATA\A092217.SEC\A0922071.D

CT ETPH DISCRIMINATION CHECK

Date Acquired	9/22/17
Data File Name	A0922071.D
Sample Name	ETPH 1500
Instrument Name	5890DFID

Compound	Ret Time	Target Response	Average Response	*%D +/- 20
c - 9	1.28	621747	655343	-5
c - 10	1.63	635600	655343	-3
c - 12	2.35	655659	655343	0
c - 14	3.01	667262	655343	2
c - 16	3.61	678344	655343	4
c - 18	4.23	665428	655343	2
o-Terphenyl	4.51	738787	655343	
c - 20	4.83	668731	655343	2
c - 22	5.33	675429	655343	3
c - 24	5.77	628178	655343	-4
c - 26	6.16	663205	655343	1
c - 28	6.52	658674	655343	1
c - 30	6.85	659398	655343	1
c - 32	7.16	648467	655343	-1
c - 34	7.45	652001	655343	-1
c - 36	7.76	652018	655343	-1

* One compound allowed %D <= 50%

Samples
17I0728-01
17I0728-02
17I0750-01
17I0750-02

D:\HPCHEM\1\DATA\A092417\A0924006.D

CT ETPH DISCRIMINATION CHECK

Date Acquired	9/24/17
Data File Name	A0924006.D
Sample Name	ETPH 1500
Instrument Name	5890DFID

Compound	Ret Time	Target Response	Average Response	*%D +/- 20
c - 9	1.29	441425	487428	-9
c - 10	1.64	450458	487428	-8
c - 12	2.37	469082	487428	-4
c - 14	3.04	480667	487428	-1
c - 16	3.65	493307	487428	1
c - 18	4.28	491332	487428	1
o-Terphenyl	4.56	548239	487428	
c - 20	4.89	502052	487428	3
c - 22	5.39	515524	487428	6
c - 24	5.83	486080	487428	0
c - 26	6.22	515868	487428	6
c - 28	6.58	510711	487428	5
c - 30	6.92	503681	487428	3
c - 32	7.23	486439	487428	0
c - 34	7.52	483775	487428	-1
c - 36	7.87	481023	487428	-1

* One compound allowed %D <= 50%

Samples
17I0544-01
17I0662-03
17I0662-04
17I0603-27
17I0861-05
17I0661-01
17I0861-06

D:\HPCHEM\1\DATA\A092417\A0924062.D

CT ETPH DISCRIMINATION CHECK

Date Acquired	9/25/17
Data File Name	A0924062.D
Sample Name	ETPH 1500
Instrument Name	5890DFID

Compound	Ret Time	Target Response	Average Response	*%D +/- 20
c - 9	1.29	495106	544608	-9
c - 10	1.64	507885	544608	-7
c - 12	2.37	529231	544608	-3
c - 14	3.04	543691	544608	0
c - 16	3.65	557962	544608	2
c - 18	4.28	554393	544608	2
o-Terphenyl	4.56	614813	544608	
c - 20	4.89	564052	544608	4
c - 22	5.39	575713	544608	6
c - 24	5.83	539826	544608	-1
c - 26	6.22	570669	544608	5
c - 28	6.58	564232	544608	4
c - 30	6.92	557275	544608	2
c - 32	7.23	539902	544608	-1
c - 34	7.52	536492	544608	-1
c - 36	7.86	532684	544608	-2

* One compound allowed %D <= 50%

Samples
17I0719-09RE1
17I0719-15
17I0850-02
17I0719-08RE1
17I0908-19@25X
17I0908-20@5X

REASONABLE CONFIDENCE PROTOCOL
LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name: Con-Test Analytical Laboratory

Client: Weston & Sampson

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

Project Number: 17I0542

Laboratory Sample ID(s):

17I0542-01 thru 17I0542-18

Sample Date(s):

09/13/2017

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: Tod Kopyscinski **Position:** **Laboratory Director**

Printed Name: **Tod E. Kopyscinski** **Date:** **09/28/17**

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

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

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

October 2, 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: 17I0641

Enclosed are results of analyses for samples received by the laboratory on September 14, 2017. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

James M. Georgantas
Project Manager

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

REPORT DATE: 10/2/2017

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 2170495

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 17I0641

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-07-SO-13-1R	17I0641-01	Soil		SM 2540G	
				SW-846 8082A	
WS-AOC-07-SO-14-2R	17I0641-02	Soil		SM 2540G	
				SW-846 8082A	
WS-AOC-07-SO-14-3R	17I0641-03	Soil		SM 2540G	
				SW-846 8082A	
WS-AOC-07-SO-15-1R	17I0641-04	Soil		SM 2540G	
				SW-846 8082A	
WS-AOC-8-SO-2-1R	17I0641-05	Soil		SM 2540G	
				SW-846 8270D	
WS-AOC-8-SO-4-1R	17I0641-06	Soil		SM 2540G	
				SW-846 8082A	
WS-AOC-8-SO-4-2R	17I0641-07	Soil		SM 2540G	
				SW-846 8082A	
WS-AOC-8-SO-4-3R	17I0641-08	Soil		SM 2540G	
				SW-846 8082A	
WS-AOC-9-SO-4-1R	17I0641-09	Soil		SM 2540G	
				SW-846 8082A	
WS-AOC-9-SO-7-2R	17I0641-10	Soil		SM 2540G	
				SW-846 8082A	
WS-AOC-9-SO-9-1R	17I0641-11	Soil		SM 2540G	
				SW-846 8082A	
WS-AOC-9-SO-10-1R	17I0641-12	Soil		SM 2540G	
				SW-846 8082A	
WS-AOC-9-SO-16-2R	17I0641-13	Soil		SM 2540G	
				SW-846 8082A	
WS-AOC-9-SO-21-1R	17I0641-14	Soil		SM 2540G	
				SW-846 8082A	
WS-AOC-9-SO-23-4R	17I0641-15	Soil		SM 2540G	
				SW-846 8082A	
WS-AOC-9-SO-27-1R	17I0641-16	Soil		SM 2540G	
				SW-846 8082A	
WS-AOC-9-SO-31-1R	17I0641-17	Soil		SM 2540G	
				SW-846 8082A	
WS-AOC-9-SO-32-3R	17I0641-18	Soil		SM 2540G	
				SW-846 8270D	
WS-AOC-9-SO-35-3R	17I0641-19	Soil		SM 2540G	
				SW-846 8270D	
WS-AOC-9-SO-37-3R	17I0641-20	Soil		SM 2540G	
				SW-846 8270D	

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CASE NARRATIVE SUMMARY

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

For method 8270, only PAHs were requested and reported.

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SW-846 8082A

Qualifications:

H-06

Sample was extracted past the recommended holding time.

Analyte & Samples(s) Qualified:

17I0641-08RE1[WS-AOC-8-SO-4-3R]

MS-19

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

Analyte & Samples(s) Qualified:

Aroclor-1260

B186779-MS1, B186779-MSD1, B186874-MS1

Aroclor-1260 [2C]

B186779-MS1, B186779-MSD1, B186874-MS1

S-01

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

Analyte & Samples(s) Qualified:

Decachlorobiphenyl

17I0641-01[WS-AOC-07-SO-13-1R], 17I0641-03[WS-AOC-07-SO-14-3R], 17I0641-04[WS-AOC-07-SO-15-1R], 17I0641-06[WS-AOC-8-SO-4-1R], 17I0641-07[WS-AOC-8-SO-4-2R], 17I0641-09[WS-AOC-9-SO-4-1R], 17I0641-11[WS-AOC-9-SO-9-1R], 17I0641-13[WS-AOC-9-SO-16-2R], 17I0641-14[WS-AOC-9-SO-21-1R], 17I0641-15[WS-AOC-9-SO-23-4R], 17I0641-16[WS-AOC-9-SO-27-1R], 17I0641-17[WS-AOC-9-SO-31-1R]

Decachlorobiphenyl [2C]

17I0641-01[WS-AOC-07-SO-13-1R], 17I0641-03[WS-AOC-07-SO-14-3R], 17I0641-04[WS-AOC-07-SO-15-1R], 17I0641-06[WS-AOC-8-SO-4-1R], 17I0641-07[WS-AOC-8-SO-4-2R], 17I0641-09[WS-AOC-9-SO-4-1R], 17I0641-11[WS-AOC-9-SO-9-1R], 17I0641-13[WS-AOC-9-SO-16-2R], 17I0641-14[WS-AOC-9-SO-21-1R], 17I0641-15[WS-AOC-9-SO-23-4R], 17I0641-16[WS-AOC-9-SO-27-1R], 17I0641-17[WS-AOC-9-SO-31-1R]

Tetrachloro-m-xylene

17I0641-01[WS-AOC-07-SO-13-1R], 17I0641-03[WS-AOC-07-SO-14-3R], 17I0641-04[WS-AOC-07-SO-15-1R], 17I0641-06[WS-AOC-8-SO-4-1R], 17I0641-07[WS-AOC-8-SO-4-2R], 17I0641-09[WS-AOC-9-SO-4-1R], 17I0641-11[WS-AOC-9-SO-9-1R], 17I0641-13[WS-AOC-9-SO-16-2R], 17I0641-14[WS-AOC-9-SO-21-1R], 17I0641-15[WS-AOC-9-SO-23-4R], 17I0641-16[WS-AOC-9-SO-27-1R], 17I0641-17[WS-AOC-9-SO-31-1R]

Tetrachloro-m-xylene [2C]

17I0641-01[WS-AOC-07-SO-13-1R], 17I0641-03[WS-AOC-07-SO-14-3R], 17I0641-04[WS-AOC-07-SO-15-1R], 17I0641-06[WS-AOC-8-SO-4-1R], 17I0641-07[WS-AOC-8-SO-4-2R], 17I0641-09[WS-AOC-9-SO-4-1R], 17I0641-11[WS-AOC-9-SO-9-1R], 17I0641-13[WS-AOC-9-SO-16-2R], 17I0641-14[WS-AOC-9-SO-21-1R], 17I0641-15[WS-AOC-9-SO-23-4R], 17I0641-16[WS-AOC-9-SO-27-1R], 17I0641-17[WS-AOC-9-SO-31-1R]

S-10

Sample was re-extracted outside of holding time since surrogate standard recovery was outside of control limits. Data from analysis performed outside of holding time is also reported since surrogate recovery is acceptable.

Analyte & Samples(s) Qualified:

Decachlorobiphenyl

17I0641-08[WS-AOC-8-SO-4-3R]

Decachlorobiphenyl [2C]

17I0641-08[WS-AOC-8-SO-4-3R]

Tetrachloro-m-xylene

17I0641-08[WS-AOC-8-SO-4-3R]

Tetrachloro-m-xylene [2C]

17I0641-08[WS-AOC-8-SO-4-3R]

SW-846 8270D

Qualifications:

B

Analyte is found in the associated blank as well as in the sample.

Analyte & Samples(s) Qualified:

Phenanthrene (SIM)

17I0641-05[WS-AOC-8-SO-2-1R], 17I0641-05RE1[WS-AOC-8-SO-2-1R], 17I0641-18[WS-AOC-9-SO-32-3R], 17I0641-18RE1[WS-AOC-9-SO-32-3R], 17I0641-19[WS-AOC-9-SO-35-3R], 17I0641-20[WS-AOC-9-SO-37-3R], B186799-BLK1, B186799-BS1, B186799-BSD1, B186799-MS1

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B-07

Data is not affected by elevated level in blank since sample result is >10x level found in the blank.

Analyte & Samples(s) Qualified:

Phenanthrene (SIM)
17I0641-05[WS-AOC-8-SO-2-1R], 17I0641-05RE1[WS-AOC-8-SO-2-1R], 17I0641-18[WS-AOC-9-SO-32-3R], 17I0641-18RE1[WS-AOC-9-SO-32-3R], 17I0641-19[WS-AOC-9-SO-35-3R], 17I0641-20[WS-AOC-9-SO-37-3R]

E

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

Analyte & Samples(s) Qualified:

Acenaphthene
17I0641-05[WS-AOC-8-SO-2-1R]

Anthracene
17I0641-05[WS-AOC-8-SO-2-1R], 17I0641-20[WS-AOC-9-SO-37-3R]

Benzo(a)anthracene
17I0641-05[WS-AOC-8-SO-2-1R], 17I0641-05RE1[WS-AOC-8-SO-2-1R], 17I0641-20[WS-AOC-9-SO-37-3R]

Benzo(a)pyrene
17I0641-05[WS-AOC-8-SO-2-1R], 17I0641-05RE1[WS-AOC-8-SO-2-1R], 17I0641-20[WS-AOC-9-SO-37-3R]

Benzo(b)fluoranthene
17I0641-05[WS-AOC-8-SO-2-1R], 17I0641-05RE1[WS-AOC-8-SO-2-1R], 17I0641-20[WS-AOC-9-SO-37-3R]

Benzo(g,h,i)perylene
17I0641-05[WS-AOC-8-SO-2-1R]

Benzo(k)fluoranthene
17I0641-05[WS-AOC-8-SO-2-1R]

Chrysene
17I0641-05[WS-AOC-8-SO-2-1R], 17I0641-05RE1[WS-AOC-8-SO-2-1R], 17I0641-20[WS-AOC-9-SO-37-3R]

Dibenz(a,h)anthracene
17I0641-05[WS-AOC-8-SO-2-1R]

Fluoranthene
17I0641-05[WS-AOC-8-SO-2-1R], 17I0641-05RE1[WS-AOC-8-SO-2-1R], 17I0641-18[WS-AOC-9-SO-32-3R], 17I0641-19[WS-AOC-9-SO-35-3R], 17I0641-20[WS-AOC-9-SO-37-3R]

Fluoranthene (SIM)
17I0641-05[WS-AOC-8-SO-2-1R], 17I0641-18[WS-AOC-9-SO-32-3R]

Fluorene
17I0641-05[WS-AOC-8-SO-2-1R]

Indeno(1,2,3-cd)pyrene
17I0641-05[WS-AOC-8-SO-2-1R]

Naphthalene
17I0641-20[WS-AOC-9-SO-37-3R]

Phenanthrene
17I0641-05[WS-AOC-8-SO-2-1R], 17I0641-05RE1[WS-AOC-8-SO-2-1R], 17I0641-18[WS-AOC-9-SO-32-3R], 17I0641-20[WS-AOC-9-SO-37-3R]

Phenanthrene (SIM)
17I0641-05[WS-AOC-8-SO-2-1R], 17I0641-18[WS-AOC-9-SO-32-3R]

Pyrene
17I0641-05[WS-AOC-8-SO-2-1R], 17I0641-05RE1[WS-AOC-8-SO-2-1R], 17I0641-18[WS-AOC-9-SO-32-3R], 17I0641-19[WS-AOC-9-SO-35-3R], 17I0641-20[WS-AOC-9-SO-37-3R]

Pyrene (SIM)
17I0641-05[WS-AOC-8-SO-2-1R], 17I0641-18[WS-AOC-9-SO-32-3R]

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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:

Acenaphthene
17I0641-20[WS-AOC-9-SO-37-3R], B186760-MS1, B186760-MSD1

Anthracene
17I0641-20[WS-AOC-9-SO-37-3R], B186760-MS1, B186760-MSD1

Benzo(a)anthracene
17I0641-20[WS-AOC-9-SO-37-3R], B186760-MS1, B186760-MSD1

Benzo(a)pyrene
17I0641-20[WS-AOC-9-SO-37-3R], B186760-MS1, B186760-MSD1

Benzo(b)fluoranthene
17I0641-20[WS-AOC-9-SO-37-3R], B186760-MS1, B186760-MSD1

Benzo(k)fluoranthene
17I0641-20[WS-AOC-9-SO-37-3R], B186760-MS1, B186760-MSD1

Chrysene
17I0641-20[WS-AOC-9-SO-37-3R], B186760-MS1, B186760-MSD1

Fluoranthene
17I0641-20[WS-AOC-9-SO-37-3R], B186760-MS1, B186760-MSD1

Fluorene
17I0641-20[WS-AOC-9-SO-37-3R], B186760-MS1, B186760-MSD1

Naphthalene
17I0641-20[WS-AOC-9-SO-37-3R], B186760-MS1, B186760-MSD1

Phenanthrene
17I0641-20[WS-AOC-9-SO-37-3R], B186760-MS1, B186760-MSD1

Pyrene
17I0641-20[WS-AOC-9-SO-37-3R], B186760-MS1, B186760-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:

2-Methylnaphthalene
B186760-MSD1

Acenaphthylene
B186760-MSD1

Benzo(g,h,i)perylene
B186760-MS1

Dibenz(a,h)anthracene
B186760-MSD1

Indeno(1,2,3-cd)pyrene
B186760-MS1

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

Lisa A. Worthington
Project Manager

con-test® ANALYTICAL LABORATORY

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0641

Date Received: 9/14/2017

Field Sample #: WS-AOC-07-SO-13-1R Sampled: 9/14/2017 08:25

Sample ID: 17I0641-01

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	8.2	mg/Kg dry	400		SW-846 8082A	9/21/17	9/29/17 12:32	TG
Aroclor-1221 [1]	ND	8.2	mg/Kg dry	400		SW-846 8082A	9/21/17	9/29/17 12:32	TG
Aroclor-1232 [1]	ND	8.2	mg/Kg dry	400		SW-846 8082A	9/21/17	9/29/17 12:32	TG
Aroclor-1242 [1]	ND	8.2	mg/Kg dry	400		SW-846 8082A	9/21/17	9/29/17 12:32	TG
Aroclor-1248 [1]	ND	8.2	mg/Kg dry	400		SW-846 8082A	9/21/17	9/29/17 12:32	TG
Aroclor-1254 [1]	ND	8.2	mg/Kg dry	400		SW-846 8082A	9/21/17	9/29/17 12:32	TG
Aroclor-1260 [2]	42	8.2	mg/Kg dry	400		SW-846 8082A	9/21/17	9/29/17 12:32	TG
Aroclor-1262 [1]	ND	8.2	mg/Kg dry	400		SW-846 8082A	9/21/17	9/29/17 12:32	TG
Aroclor-1268 [1]	ND	8.2	mg/Kg dry	400		SW-846 8082A	9/21/17	9/29/17 12:32	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	*	30-150	S-01	9/29/17 12:32
Decachlorobiphenyl [2]	*	30-150	S-01	9/29/17 12:32
Tetrachloro-m-xylene [1]	*	30-150	S-01	9/29/17 12:32
Tetrachloro-m-xylene [2]	*	30-150	S-01	9/29/17 12:32

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0641

Date Received: 9/14/2017

Field Sample #: WS-AOC-07-SO-13-1R Sampled: 9/14/2017 08:25

Sample ID: 17I0641-01

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	95.3		% Wt	1		SM 2540G	9/19/17	9/19/17 23:04	MJR

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0641

Date Received: 9/14/2017

Field Sample #: WS-AOC-07-SO-13-1R Sampled: 9/14/2017 08:25

Sample ID: 17I0641-01

Sample Matrix: Soil

SPLP - Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	2.0	µg/L	10		SW-846 8082A	9/22/17	9/29/17 17:49	JMB
Aroclor-1221 [1]	ND	2.0	µg/L	10		SW-846 8082A	9/22/17	9/29/17 17:49	JMB
Aroclor-1232 [1]	ND	2.0	µg/L	10		SW-846 8082A	9/22/17	9/29/17 17:49	JMB
Aroclor-1242 [1]	ND	2.0	µg/L	10		SW-846 8082A	9/22/17	9/29/17 17:49	JMB
Aroclor-1248 [1]	ND	2.0	µg/L	10		SW-846 8082A	9/22/17	9/29/17 17:49	JMB
Aroclor-1254 [1]	ND	2.0	µg/L	10		SW-846 8082A	9/22/17	9/29/17 17:49	JMB
Aroclor-1260 [1]	11	2.0	µg/L	10		SW-846 8082A	9/22/17	9/29/17 17:49	JMB
Aroclor-1262 [1]	ND	2.0	µg/L	10		SW-846 8082A	9/22/17	9/29/17 17:49	JMB
Aroclor-1268 [1]	ND	2.0	µg/L	10		SW-846 8082A	9/22/17	9/29/17 17:49	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	70.0	30-150		9/29/17 17:49
Decachlorobiphenyl [2]	68.8	30-150		9/29/17 17:49
Tetrachloro-m-xylene [1]	92.3	30-150		9/29/17 17:49
Tetrachloro-m-xylene [2]	91.8	30-150		9/29/17 17:49

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0641

Date Received: 9/14/2017

Field Sample #: WS-AOC-07-SO-14-2R Sampled: 9/14/2017 08:30

Sample ID: 17I0641-02

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	0.34	mg/Kg dry	16		SW-846 8082A	9/21/17	9/29/17 12:45	TG
Aroclor-1221 [1]	ND	0.34	mg/Kg dry	16		SW-846 8082A	9/21/17	9/29/17 12:45	TG
Aroclor-1232 [1]	ND	0.34	mg/Kg dry	16		SW-846 8082A	9/21/17	9/29/17 12:45	TG
Aroclor-1242 [1]	ND	0.34	mg/Kg dry	16		SW-846 8082A	9/21/17	9/29/17 12:45	TG
Aroclor-1248 [1]	ND	0.34	mg/Kg dry	16		SW-846 8082A	9/21/17	9/29/17 12:45	TG
Aroclor-1254 [1]	ND	0.34	mg/Kg dry	16		SW-846 8082A	9/21/17	9/29/17 12:45	TG
Aroclor-1260 [1]	1.8	0.34	mg/Kg dry	16		SW-846 8082A	9/21/17	9/29/17 12:45	TG
Aroclor-1262 [1]	ND	0.34	mg/Kg dry	16		SW-846 8082A	9/21/17	9/29/17 12:45	TG
Aroclor-1268 [1]	ND	0.34	mg/Kg dry	16		SW-846 8082A	9/21/17	9/29/17 12:45	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	83.2	30-150		9/29/17 12:45
Decachlorobiphenyl [2]	90.2	30-150		9/29/17 12:45
Tetrachloro-m-xylene [1]	104	30-150		9/29/17 12:45
Tetrachloro-m-xylene [2]	110	30-150		9/29/17 12:45

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0641

Date Received: 9/14/2017

Field Sample #: WS-AOC-07-SO-14-2R Sampled: 9/14/2017 08:30

Sample ID: 17I0641-02

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	94.0		% Wt	1		SM 2540G	9/19/17	9/19/17 23:04	MJR

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0641

Date Received: 9/14/2017

Field Sample #: WS-AOC-07-SO-14-2R Sampled: 9/14/2017 08:30

Sample ID: 17I0641-02

Sample Matrix: Soil

SPLP - Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/22/17	9/28/17 16:06	JMB
Aroclor-1221 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/22/17	9/28/17 16:06	JMB
Aroclor-1232 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/22/17	9/28/17 16:06	JMB
Aroclor-1242 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/22/17	9/28/17 16:06	JMB
Aroclor-1248 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/22/17	9/28/17 16:06	JMB
Aroclor-1254 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/22/17	9/28/17 16:06	JMB
Aroclor-1260 [1]	0.79	0.20	µg/L	1		SW-846 8082A	9/22/17	9/28/17 16:06	JMB
Aroclor-1262 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/22/17	9/28/17 16:06	JMB
Aroclor-1268 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/22/17	9/28/17 16:06	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	76.9	30-150		9/28/17 16:06
Decachlorobiphenyl [2]	71.5	30-150		9/28/17 16:06
Tetrachloro-m-xylene [1]	79.2	30-150		9/28/17 16:06
Tetrachloro-m-xylene [2]	77.3	30-150		9/28/17 16:06

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0641

Date Received: 9/14/2017

Field Sample #: WS-AOC-07-SO-14-3R Sampled: 9/14/2017 08:32

Sample ID: 17I0641-03

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	0.91	mg/Kg dry	40		SW-846 8082A	9/21/17	9/29/17 12:57	TG
Aroclor-1221 [1]	ND	0.91	mg/Kg dry	40		SW-846 8082A	9/21/17	9/29/17 12:57	TG
Aroclor-1232 [1]	ND	0.91	mg/Kg dry	40		SW-846 8082A	9/21/17	9/29/17 12:57	TG
Aroclor-1242 [1]	ND	0.91	mg/Kg dry	40		SW-846 8082A	9/21/17	9/29/17 12:57	TG
Aroclor-1248 [1]	ND	0.91	mg/Kg dry	40		SW-846 8082A	9/21/17	9/29/17 12:57	TG
Aroclor-1254 [1]	ND	0.91	mg/Kg dry	40		SW-846 8082A	9/21/17	9/29/17 12:57	TG
Aroclor-1260 [2]	8.3	0.91	mg/Kg dry	40		SW-846 8082A	9/21/17	9/29/17 12:57	TG
Aroclor-1262 [1]	ND	0.91	mg/Kg dry	40		SW-846 8082A	9/21/17	9/29/17 12:57	TG
Aroclor-1268 [1]	ND	0.91	mg/Kg dry	40		SW-846 8082A	9/21/17	9/29/17 12:57	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	*	30-150	S-01	9/29/17 12:57
Decachlorobiphenyl [2]	*	30-150	S-01	9/29/17 12:57
Tetrachloro-m-xylene [1]	*	30-150	S-01	9/29/17 12:57
Tetrachloro-m-xylene [2]	*	30-150	S-01	9/29/17 12:57

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0641

Date Received: 9/14/2017

Field Sample #: WS-AOC-07-SO-14-3R Sampled: 9/14/2017 08:32

Sample ID: 17I0641-03

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	87.5		% Wt	1		SM 2540G	9/19/17	9/19/17 23:04	MJR

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0641

Date Received: 9/14/2017

Field Sample #: WS-AOC-07-SO-14-3R Sampled: 9/14/2017 08:32

Sample ID: 17I0641-03

Sample Matrix: Soil

SPLP - Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/22/17	9/28/17 16:18	JMB
Aroclor-1221 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/22/17	9/28/17 16:18	JMB
Aroclor-1232 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/22/17	9/28/17 16:18	JMB
Aroclor-1242 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/22/17	9/28/17 16:18	JMB
Aroclor-1248 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/22/17	9/28/17 16:18	JMB
Aroclor-1254 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/22/17	9/28/17 16:18	JMB
Aroclor-1260 [1]	1.7	0.20	µg/L	1		SW-846 8082A	9/22/17	9/28/17 16:18	JMB
Aroclor-1262 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/22/17	9/28/17 16:18	JMB
Aroclor-1268 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/22/17	9/28/17 16:18	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	58.8	30-150		9/28/17 16:18
Decachlorobiphenyl [2]	55.4	30-150		9/28/17 16:18
Tetrachloro-m-xylene [1]	80.6	30-150		9/28/17 16:18
Tetrachloro-m-xylene [2]	79.1	30-150		9/28/17 16:18

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0641

Date Received: 9/14/2017

Field Sample #: WS-AOC-07-SO-15-1R Sampled: 9/14/2017 08:20

Sample ID: 17I0641-04

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	0.84	mg/Kg dry	40		SW-846 8082A	9/21/17	9/29/17 13:09	TG
Aroclor-1221 [1]	ND	0.84	mg/Kg dry	40		SW-846 8082A	9/21/17	9/29/17 13:09	TG
Aroclor-1232 [1]	ND	0.84	mg/Kg dry	40		SW-846 8082A	9/21/17	9/29/17 13:09	TG
Aroclor-1242 [1]	ND	0.84	mg/Kg dry	40		SW-846 8082A	9/21/17	9/29/17 13:09	TG
Aroclor-1248 [1]	5.7	0.84	mg/Kg dry	40		SW-846 8082A	9/21/17	9/29/17 13:09	TG
Aroclor-1254 [1]	ND	0.84	mg/Kg dry	40		SW-846 8082A	9/21/17	9/29/17 13:09	TG
Aroclor-1260 [1]	ND	0.84	mg/Kg dry	40		SW-846 8082A	9/21/17	9/29/17 13:09	TG
Aroclor-1262 [1]	ND	0.84	mg/Kg dry	40		SW-846 8082A	9/21/17	9/29/17 13:09	TG
Aroclor-1268 [1]	ND	0.84	mg/Kg dry	40		SW-846 8082A	9/21/17	9/29/17 13:09	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	*	30-150	S-01	9/29/17 13:09
Decachlorobiphenyl [2]	*	30-150	S-01	9/29/17 13:09
Tetrachloro-m-xylene [1]	*	30-150	S-01	9/29/17 13:09
Tetrachloro-m-xylene [2]	*	30-150	S-01	9/29/17 13:09

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0641

Date Received: 9/14/2017

Field Sample #: WS-AOC-07-SO-15-1R Sampled: 9/14/2017 08:20

Sample ID: 17I0641-04

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	90.5		% Wt	1		SM 2540G	9/19/17	9/19/17 23:04	MJR

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0641

Date Received: 9/14/2017

Field Sample #: WS-AOC-07-SO-15-1R Sampled: 9/14/2017 08:20

Sample ID: 17I0641-04

Sample Matrix: Soil

SPLP - Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/22/17	9/28/17 16:31	JMB
Aroclor-1221 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/22/17	9/28/17 16:31	JMB
Aroclor-1232 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/22/17	9/28/17 16:31	JMB
Aroclor-1242 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/22/17	9/28/17 16:31	JMB
Aroclor-1248 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/22/17	9/28/17 16:31	JMB
Aroclor-1254 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/22/17	9/28/17 16:31	JMB
Aroclor-1260 [1]	0.73	0.20	µg/L	1		SW-846 8082A	9/22/17	9/28/17 16:31	JMB
Aroclor-1262 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/22/17	9/28/17 16:31	JMB
Aroclor-1268 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/22/17	9/28/17 16:31	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	49.9	30-150		9/28/17 16:31
Decachlorobiphenyl [2]	47.7	30-150		9/28/17 16:31
Tetrachloro-m-xylene [1]	85.0	30-150		9/28/17 16:31
Tetrachloro-m-xylene [2]	81.6	30-150		9/28/17 16:31

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0641

Date Received: 9/14/2017

Field Sample #: WS-AOC-8-SO-2-1R Sampled: 9/14/2017 09:12

Sample ID: 17I0641-05

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	14	0.18	mg/Kg dry	1	E	SW-846 8270D	9/21/17	9/22/17 23:17	BGL
Acenaphthene	12	1.8	mg/Kg dry	10		SW-846 8270D	9/21/17	9/25/17 12:45	BGL
Acenaphthylene	ND	0.18	mg/Kg dry	1		SW-846 8270D	9/21/17	9/22/17 23:17	BGL
Acenaphthylene	3.7	1.8	mg/Kg dry	10		SW-846 8270D	9/21/17	9/25/17 12:45	BGL
Anthracene	16	0.18	mg/Kg dry	1	E	SW-846 8270D	9/21/17	9/22/17 23:17	BGL
Anthracene	20	1.8	mg/Kg dry	10		SW-846 8270D	9/21/17	9/25/17 12:45	BGL
Benzo(a)anthracene	44	0.18	mg/Kg dry	1	E	SW-846 8270D	9/21/17	9/22/17 23:17	BGL
Benzo(a)anthracene	54	1.8	mg/Kg dry	10	E	SW-846 8270D	9/21/17	9/25/17 12:45	BGL
Benzo(a)anthracene	58	18	mg/Kg dry	100		SW-846 8270D	9/21/17	9/25/17 13:12	BGL
Benzo(a)pyrene	49	0.18	mg/Kg dry	1	E	SW-846 8270D	9/21/17	9/22/17 23:17	BGL
Benzo(a)pyrene	43	1.8	mg/Kg dry	10	E	SW-846 8270D	9/21/17	9/25/17 12:45	BGL
Benzo(a)pyrene	44	18	mg/Kg dry	100		SW-846 8270D	9/21/17	9/25/17 13:12	BGL
Benzo(b)fluoranthene	75	0.18	mg/Kg dry	1	E	SW-846 8270D	9/21/17	9/22/17 23:17	BGL
Benzo(b)fluoranthene	58	1.8	mg/Kg dry	10	E	SW-846 8270D	9/21/17	9/25/17 12:45	BGL
Benzo(b)fluoranthene	60	18	mg/Kg dry	100		SW-846 8270D	9/21/17	9/25/17 13:12	BGL
Benzo(g,h,i)perylene	22	0.18	mg/Kg dry	1	E	SW-846 8270D	9/21/17	9/22/17 23:17	BGL
Benzo(g,h,i)perylene	30	1.8	mg/Kg dry	10		SW-846 8270D	9/21/17	9/25/17 12:45	BGL
Benzo(k)fluoranthene	17	0.18	mg/Kg dry	1	E	SW-846 8270D	9/21/17	9/22/17 23:17	BGL
Benzo(k)fluoranthene	24	1.8	mg/Kg dry	10		SW-846 8270D	9/21/17	9/25/17 12:45	BGL
Chrysene	39	0.18	mg/Kg dry	1	E	SW-846 8270D	9/21/17	9/22/17 23:17	BGL
Chrysene	54	1.8	mg/Kg dry	10	E	SW-846 8270D	9/21/17	9/25/17 12:45	BGL
Chrysene	56	18	mg/Kg dry	100		SW-846 8270D	9/21/17	9/25/17 13:12	BGL
Dibenz(a,h)anthracene	11	0.18	mg/Kg dry	1	E	SW-846 8270D	9/21/17	9/22/17 23:17	BGL
Dibenz(a,h)anthracene	8.5	1.8	mg/Kg dry	10		SW-846 8270D	9/21/17	9/25/17 12:45	BGL
Fluoranthene	52	0.18	mg/Kg dry	1	E	SW-846 8270D	9/21/17	9/22/17 23:17	BGL
Fluoranthene	150	1.8	mg/Kg dry	10	E	SW-846 8270D	9/21/17	9/25/17 12:45	BGL
Fluoranthene	130	18	mg/Kg dry	100		SW-846 8270D	9/21/17	9/25/17 13:12	BGL
Fluorene	10	0.18	mg/Kg dry	1	E	SW-846 8270D	9/21/17	9/22/17 23:17	BGL
Fluorene	8.7	1.8	mg/Kg dry	10		SW-846 8270D	9/21/17	9/25/17 12:45	BGL
Indeno(1,2,3-cd)pyrene	27	0.18	mg/Kg dry	1	E	SW-846 8270D	9/21/17	9/22/17 23:17	BGL
Indeno(1,2,3-cd)pyrene	33	1.8	mg/Kg dry	10		SW-846 8270D	9/21/17	9/25/17 12:45	BGL
2-Methylnaphthalene	0.82	0.18	mg/Kg dry	1		SW-846 8270D	9/21/17	9/22/17 23:17	BGL
2-Methylnaphthalene	ND	1.8	mg/Kg dry	10		SW-846 8270D	9/21/17	9/25/17 12:45	BGL
Naphthalene	2.0	0.18	mg/Kg dry	1		SW-846 8270D	9/21/17	9/22/17 23:17	BGL
Naphthalene	2.2	1.8	mg/Kg dry	10		SW-846 8270D	9/21/17	9/25/17 12:45	BGL
Phenanthrene	36	0.18	mg/Kg dry	1	E	SW-846 8270D	9/21/17	9/22/17 23:17	BGL
Phenanthrene	88	1.8	mg/Kg dry	10	E	SW-846 8270D	9/21/17	9/25/17 12:45	BGL
Phenanthrene	78	18	mg/Kg dry	100		SW-846 8270D	9/21/17	9/25/17 13:12	BGL
Pyrene	46	0.18	mg/Kg dry	1	E	SW-846 8270D	9/21/17	9/22/17 23:17	BGL
Pyrene	110	1.8	mg/Kg dry	10	E	SW-846 8270D	9/21/17	9/25/17 12:45	BGL
Pyrene	100	18	mg/Kg dry	100		SW-846 8270D	9/21/17	9/25/17 13:12	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Nitrobenzene-d5	60.4	30-130		9/22/17 23:17
Nitrobenzene-d5	66.6	30-130		9/25/17 12:45

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0641

Date Received: 9/14/2017

Field Sample #: WS-AOC-8-SO-2-1R Sampled: 9/14/2017 09:12

Sample ID: 17I0641-05

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Surrogates		**% Recovery**	**Recovery Limits**		**Flag/Qual**				
Nitrobenzene-d5		84.0	30-130					9/25/17 13:12	
2-Fluorobiphenyl		71.5	30-130					9/22/17 23:17	
2-Fluorobiphenyl		71.7	30-130					9/25/17 12:45	
2-Fluorobiphenyl		80.0	30-130					9/25/17 13:12	
p-Terphenyl-d14		71.9	30-130					9/22/17 23:17	
p-Terphenyl-d14		80.8	30-130					9/25/17 12:45	
p-Terphenyl-d14		98.0	30-130					9/25/17 13:12	

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0641

Date Received: 9/14/2017

Field Sample #: WS-AOC-8-SO-2-1R Sampled: 9/14/2017 09:12

Sample ID: 17I0641-05

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	93.6		% Wt	1		SM 2540G	9/19/17	9/19/17 23:04	MJR

con-test® ANALYTICAL LABORATORY

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0641

Date Received: 9/14/2017

Field Sample #: WS-AOC-8-SO-2-1R Sampled: 9/14/2017 09:12

Sample ID: 17I0641-05

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)	7.5	0.30	µg/L	1		SW-846 8270D	9/21/17	9/24/17 22:27	CJM
Acenaphthene (SIM)	8.3	3.0	µg/L	10		SW-846 8270D	9/21/17	9/25/17 22:26	CJM
Acenaphthylene (SIM)	0.60	0.30	µg/L	1		SW-846 8270D	9/21/17	9/24/17 22:27	CJM
Acenaphthylene (SIM)	ND	3.0	µg/L	10		SW-846 8270D	9/21/17	9/25/17 22:26	CJM
Anthracene (SIM)	2.8	0.20	µg/L	1		SW-846 8270D	9/21/17	9/24/17 22:27	CJM
Anthracene (SIM)	3.1	2.0	µg/L	10		SW-846 8270D	9/21/17	9/25/17 22:26	CJM
Benzo(a)anthracene (SIM)	6.3	0.050	µg/L	1		SW-846 8270D	9/21/17	9/24/17 22:27	CJM
Benzo(a)anthracene (SIM)	6.3	0.50	µg/L	10		SW-846 8270D	9/21/17	9/25/17 22:26	CJM
Benzo(a)pyrene (SIM)	5.0	0.10	µg/L	1		SW-846 8270D	9/21/17	9/24/17 22:27	CJM
Benzo(a)pyrene (SIM)	5.2	1.0	µg/L	10		SW-846 8270D	9/21/17	9/25/17 22:26	CJM
Benzo(b)fluoranthene (SIM)	7.1	0.050	µg/L	1		SW-846 8270D	9/21/17	9/24/17 22:27	CJM
Benzo(b)fluoranthene (SIM)	7.7	0.50	µg/L	10		SW-846 8270D	9/21/17	9/25/17 22:26	CJM
Benzo(g,h,i)perylene (SIM)	3.1	0.50	µg/L	1		SW-846 8270D	9/21/17	9/24/17 22:27	CJM
Benzo(g,h,i)perylene (SIM)	ND	5.0	µg/L	10		SW-846 8270D	9/21/17	9/25/17 22:26	CJM
Benzo(k)fluoranthene (SIM)	2.4	0.20	µg/L	1		SW-846 8270D	9/21/17	9/24/17 22:27	CJM
Benzo(k)fluoranthene (SIM)	2.7	2.0	µg/L	10		SW-846 8270D	9/21/17	9/25/17 22:26	CJM
Chrysene (SIM)	6.6	0.20	µg/L	1		SW-846 8270D	9/21/17	9/24/17 22:27	CJM
Chrysene (SIM)	7.2	2.0	µg/L	10		SW-846 8270D	9/21/17	9/25/17 22:26	CJM
Dibenz(a,h)anthracene (SIM)	0.87	0.20	µg/L	1		SW-846 8270D	9/21/17	9/24/17 22:27	CJM
Dibenz(a,h)anthracene (SIM)	ND	2.0	µg/L	10		SW-846 8270D	9/21/17	9/25/17 22:26	CJM
Fluoranthene (SIM)	16	0.50	µg/L	1	E	SW-846 8270D	9/21/17	9/24/17 22:27	CJM
Fluoranthene (SIM)	18	5.0	µg/L	10		SW-846 8270D	9/21/17	9/25/17 22:26	CJM
Fluorene (SIM)	3.4	1.0	µg/L	1		SW-846 8270D	9/21/17	9/24/17 22:27	CJM
Fluorene (SIM)	ND	10	µg/L	10		SW-846 8270D	9/21/17	9/25/17 22:26	CJM
Indeno(1,2,3-cd)pyrene (SIM)	3.2	0.20	µg/L	1		SW-846 8270D	9/21/17	9/24/17 22:27	CJM
Indeno(1,2,3-cd)pyrene (SIM)	3.2	2.0	µg/L	10		SW-846 8270D	9/21/17	9/25/17 22:26	CJM
2-Methylnaphthalene (SIM)	ND	1.0	µg/L	1		SW-846 8270D	9/21/17	9/24/17 22:27	CJM
2-Methylnaphthalene (SIM)	ND	10	µg/L	10		SW-846 8270D	9/21/17	9/25/17 22:26	CJM
Naphthalene (SIM)	3.4	1.0	µg/L	1		SW-846 8270D	9/21/17	9/24/17 22:27	CJM
Naphthalene (SIM)	ND	10	µg/L	10		SW-846 8270D	9/21/17	9/25/17 22:26	CJM
Phenanthrene (SIM)	15	0.050	µg/L	1	B-07, E, B	SW-846 8270D	9/21/17	9/24/17 22:27	CJM
Phenanthrene (SIM)	18	0.50	µg/L	10	B-07, B	SW-846 8270D	9/21/17	9/25/17 22:26	CJM
Pyrene (SIM)	13	1.0	µg/L	1	E	SW-846 8270D	9/21/17	9/24/17 22:27	CJM
Pyrene (SIM)	14	10	µg/L	10		SW-846 8270D	9/21/17	9/25/17 22:26	CJM

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Nitrobenzene-d5	82.3	30-130		9/24/17 22:27
Nitrobenzene-d5	92.0	30-130		9/25/17 22:26
2-Fluorobiphenyl	82.7	30-130		9/24/17 22:27
2-Fluorobiphenyl	93.7	30-130		9/25/17 22:26
p-Terphenyl-d14	67.6	30-130		9/24/17 22:27
p-Terphenyl-d14	73.4	30-130		9/25/17 22:26

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0641

Date Received: 9/14/2017

Field Sample #: WS-AOC-8-SO-4-1R Sampled: 9/14/2017 09:13

Sample ID: 17I0641-06

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	0.82	mg/Kg dry	40		SW-846 8082A	9/21/17	9/29/17 13:22	TG
Aroclor-1221 [1]	ND	0.82	mg/Kg dry	40		SW-846 8082A	9/21/17	9/29/17 13:22	TG
Aroclor-1232 [1]	ND	0.82	mg/Kg dry	40		SW-846 8082A	9/21/17	9/29/17 13:22	TG
Aroclor-1242 [1]	ND	0.82	mg/Kg dry	40		SW-846 8082A	9/21/17	9/29/17 13:22	TG
Aroclor-1248 [1]	ND	0.82	mg/Kg dry	40		SW-846 8082A	9/21/17	9/29/17 13:22	TG
Aroclor-1254 [1]	ND	0.82	mg/Kg dry	40		SW-846 8082A	9/21/17	9/29/17 13:22	TG
Aroclor-1260 [2]	2.9	0.82	mg/Kg dry	40		SW-846 8082A	9/21/17	9/29/17 13:22	TG
Aroclor-1262 [1]	ND	0.82	mg/Kg dry	40		SW-846 8082A	9/21/17	9/29/17 13:22	TG
Aroclor-1268 [1]	ND	0.82	mg/Kg dry	40		SW-846 8082A	9/21/17	9/29/17 13:22	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	*	30-150	S-01	9/29/17 13:22
Decachlorobiphenyl [2]	*	30-150	S-01	9/29/17 13:22
Tetrachloro-m-xylene [1]	*	30-150	S-01	9/29/17 13:22
Tetrachloro-m-xylene [2]	*	30-150	S-01	9/29/17 13:22

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0641

Date Received: 9/14/2017

Field Sample #: WS-AOC-8-SO-4-1R Sampled: 9/14/2017 09:13

Sample ID: 17I0641-06

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	93.7		% Wt	1		SM 2540G	9/19/17	9/19/17 23:04	MJR

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0641

Date Received: 9/14/2017

Field Sample #: WS-AOC-8-SO-4-1R Sampled: 9/14/2017 09:13

Sample ID: 17I0641-06

Sample Matrix: Soil

SPLP - Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/22/17	9/28/17 16:50	JMB
Aroclor-1221 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/22/17	9/28/17 16:50	JMB
Aroclor-1232 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/22/17	9/28/17 16:50	JMB
Aroclor-1242 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/22/17	9/28/17 16:50	JMB
Aroclor-1248 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/22/17	9/28/17 16:50	JMB
Aroclor-1254 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/22/17	9/28/17 16:50	JMB
Aroclor-1260 [1]	1.4	0.20	µg/L	1		SW-846 8082A	9/22/17	9/28/17 16:50	JMB
Aroclor-1262 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/22/17	9/28/17 16:50	JMB
Aroclor-1268 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/22/17	9/28/17 16:50	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	68.0	30-150		9/28/17 16:50
Decachlorobiphenyl [2]	65.2	30-150		9/28/17 16:50
Tetrachloro-m-xylene [1]	83.1	30-150		9/28/17 16:50
Tetrachloro-m-xylene [2]	80.3	30-150		9/28/17 16:50

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0641

Date Received: 9/14/2017

Field Sample #: WS-AOC-8-SO-4-2R Sampled: 9/14/2017 09:14

Sample ID: 17I0641-07

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	0.85	mg/Kg dry	40		SW-846 8082A	9/21/17	9/29/17 13:34	TG
Aroclor-1221 [1]	ND	0.85	mg/Kg dry	40		SW-846 8082A	9/21/17	9/29/17 13:34	TG
Aroclor-1232 [1]	ND	0.85	mg/Kg dry	40		SW-846 8082A	9/21/17	9/29/17 13:34	TG
Aroclor-1242 [1]	ND	0.85	mg/Kg dry	40		SW-846 8082A	9/21/17	9/29/17 13:34	TG
Aroclor-1248 [1]	ND	0.85	mg/Kg dry	40		SW-846 8082A	9/21/17	9/29/17 13:34	TG
Aroclor-1254 [1]	ND	0.85	mg/Kg dry	40		SW-846 8082A	9/21/17	9/29/17 13:34	TG
Aroclor-1260 [2]	4.1	0.85	mg/Kg dry	40		SW-846 8082A	9/21/17	9/29/17 13:34	TG
Aroclor-1262 [1]	ND	0.85	mg/Kg dry	40		SW-846 8082A	9/21/17	9/29/17 13:34	TG
Aroclor-1268 [1]	ND	0.85	mg/Kg dry	40		SW-846 8082A	9/21/17	9/29/17 13:34	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	*	30-150	S-01	9/29/17 13:34
Decachlorobiphenyl [2]	*	30-150	S-01	9/29/17 13:34
Tetrachloro-m-xylene [1]	*	30-150	S-01	9/29/17 13:34
Tetrachloro-m-xylene [2]	*	30-150	S-01	9/29/17 13:34

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0641

Date Received: 9/14/2017

Field Sample #: WS-AOC-8-SO-4-2R Sampled: 9/14/2017 09:14

Sample ID: 17I0641-07

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	93.1		% Wt	1		SM 2540G	9/19/17	9/19/17 23:04	MJR

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0641

Date Received: 9/14/2017

Field Sample #: WS-AOC-8-SO-4-2R Sampled: 9/14/2017 09:14

Sample ID: 17I0641-07

Sample Matrix: Soil

SPLP - Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/22/17	9/28/17 17:03	JMB
Aroclor-1221 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/22/17	9/28/17 17:03	JMB
Aroclor-1232 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/22/17	9/28/17 17:03	JMB
Aroclor-1242 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/22/17	9/28/17 17:03	JMB
Aroclor-1248 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/22/17	9/28/17 17:03	JMB
Aroclor-1254 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/22/17	9/28/17 17:03	JMB
Aroclor-1260 [1]	1.4	0.20	µg/L	1		SW-846 8082A	9/22/17	9/28/17 17:03	JMB
Aroclor-1262 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/22/17	9/28/17 17:03	JMB
Aroclor-1268 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/22/17	9/28/17 17:03	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	57.7	30-150		9/28/17 17:03
Decachlorobiphenyl [2]	53.9	30-150		9/28/17 17:03
Tetrachloro-m-xylene [1]	80.0	30-150		9/28/17 17:03
Tetrachloro-m-xylene [2]	77.3	30-150		9/28/17 17:03

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0641

Date Received: 9/14/2017

Field Sample #: WS-AOC-8-SO-4-3R Sampled: 9/14/2017 09:15

Sample ID: 17I0641-08

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	0.86	mg/Kg dry	40		SW-846 8082A	9/21/17	9/29/17 13:47	PJG
Aroclor-1016 [1]	ND	0.82	mg/Kg dry	40		SW-846 8082A	9/29/17	10/2/17 13:43	PJG
Aroclor-1221 [1]	ND	0.86	mg/Kg dry	40		SW-846 8082A	9/21/17	9/29/17 13:47	PJG
Aroclor-1221 [1]	ND	0.82	mg/Kg dry	40		SW-846 8082A	9/29/17	10/2/17 13:43	PJG
Aroclor-1232 [1]	ND	0.82	mg/Kg dry	40		SW-846 8082A	9/29/17	10/2/17 13:43	PJG
Aroclor-1232 [1]	ND	0.86	mg/Kg dry	40		SW-846 8082A	9/21/17	9/29/17 13:47	PJG
Aroclor-1242 [1]	ND	0.82	mg/Kg dry	40		SW-846 8082A	9/29/17	10/2/17 13:43	PJG
Aroclor-1242 [1]	ND	0.86	mg/Kg dry	40		SW-846 8082A	9/21/17	9/29/17 13:47	PJG
Aroclor-1248 [1]	ND	0.82	mg/Kg dry	40		SW-846 8082A	9/29/17	10/2/17 13:43	PJG
Aroclor-1248 [1]	ND	0.86	mg/Kg dry	40		SW-846 8082A	9/21/17	9/29/17 13:47	PJG
Aroclor-1254 [1]	ND	0.82	mg/Kg dry	40		SW-846 8082A	9/29/17	10/2/17 13:43	PJG
Aroclor-1254 [1]	ND	0.86	mg/Kg dry	40		SW-846 8082A	9/21/17	9/29/17 13:47	PJG
Aroclor-1260 [1]	5.3	0.82	mg/Kg dry	40		SW-846 8082A	9/29/17	10/2/17 13:43	PJG
Aroclor-1260 [2]	5.7	0.86	mg/Kg dry	40		SW-846 8082A	9/21/17	9/29/17 13:47	PJG
Aroclor-1262 [1]	ND	0.86	mg/Kg dry	40		SW-846 8082A	9/21/17	9/29/17 13:47	PJG
Aroclor-1262 [1]	ND	0.82	mg/Kg dry	40		SW-846 8082A	9/29/17	10/2/17 13:43	PJG
Aroclor-1268 [1]	ND	0.82	mg/Kg dry	40		SW-846 8082A	9/29/17	10/2/17 13:43	PJG
Aroclor-1268 [1]	ND	0.86	mg/Kg dry	40		SW-846 8082A	9/21/17	9/29/17 13:47	PJG

Surrogates	% Recovery		Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]		*	30-150	S-10	9/29/17 13:47
Decachlorobiphenyl [1]	148		30-150		10/2/17 13:43
Decachlorobiphenyl [2]		*	30-150	S-10	9/29/17 13:47
Decachlorobiphenyl [2]	**151**	*	30-150		10/2/17 13:43
Tetrachloro-m-xylene [1]		*	30-150	S-10	9/29/17 13:47
Tetrachloro-m-xylene [1]	126		30-150		10/2/17 13:43
Tetrachloro-m-xylene [2]		*	30-150	S-10	9/29/17 13:47
Tetrachloro-m-xylene [2]	138		30-150		10/2/17 13:43

con-test® ANALYTICAL LABORATORY

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0641

Date Received: 9/14/2017

Field Sample #: WS-AOC-8-SO-4-3R Sampled: 9/14/2017 09:15

Sample ID: 17I0641-08

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	92.2		% Wt	1		SM 2540G	9/19/17	9/19/17 23:04	MJR

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0641

Date Received: 9/14/2017

Field Sample #: WS-AOC-8-SO-4-3R Sampled: 9/14/2017 09:15

Sample ID: 17I0641-08

Sample Matrix: Soil

SPLP - Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/22/17	9/28/17 17:16	JMB
Aroclor-1221 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/22/17	9/28/17 17:16	JMB
Aroclor-1232 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/22/17	9/28/17 17:16	JMB
Aroclor-1242 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/22/17	9/28/17 17:16	JMB
Aroclor-1248 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/22/17	9/28/17 17:16	JMB
Aroclor-1254 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/22/17	9/28/17 17:16	JMB
Aroclor-1260 [1]	2.1	0.20	µg/L	1		SW-846 8082A	9/22/17	9/28/17 17:16	JMB
Aroclor-1262 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/22/17	9/28/17 17:16	JMB
Aroclor-1268 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/22/17	9/28/17 17:16	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	58.4	30-150		9/28/17 17:16
Decachlorobiphenyl [2]	54.3	30-150		9/28/17 17:16
Tetrachloro-m-xylene [1]	82.0	30-150		9/28/17 17:16
Tetrachloro-m-xylene [2]	78.2	30-150		9/28/17 17:16

con-test® ANALYTICAL LABORATORY

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0641

Date Received: 9/14/2017

Field Sample #: WS-AOC-9-SO-4-1R Sampled: 9/14/2017 10:10

Sample ID: 17I0641-09

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	0.83	mg/Kg dry	40		SW-846 8082A	9/21/17	9/29/17 13:59	TG
Aroclor-1221 [1]	ND	0.83	mg/Kg dry	40		SW-846 8082A	9/21/17	9/29/17 13:59	TG
Aroclor-1232 [1]	ND	0.83	mg/Kg dry	40		SW-846 8082A	9/21/17	9/29/17 13:59	TG
Aroclor-1242 [1]	ND	0.83	mg/Kg dry	40		SW-846 8082A	9/21/17	9/29/17 13:59	TG
Aroclor-1248 [1]	ND	0.83	mg/Kg dry	40		SW-846 8082A	9/21/17	9/29/17 13:59	TG
Aroclor-1254 [1]	ND	0.83	mg/Kg dry	40		SW-846 8082A	9/21/17	9/29/17 13:59	TG
Aroclor-1260 [1]	5.8	0.83	mg/Kg dry	40		SW-846 8082A	9/21/17	9/29/17 13:59	TG
Aroclor-1262 [1]	ND	0.83	mg/Kg dry	40		SW-846 8082A	9/21/17	9/29/17 13:59	TG
Aroclor-1268 [1]	ND	0.83	mg/Kg dry	40		SW-846 8082A	9/21/17	9/29/17 13:59	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	*	30-150	S-01	9/29/17 13:59
Decachlorobiphenyl [2]	*	30-150	S-01	9/29/17 13:59
Tetrachloro-m-xylene [1]	*	30-150	S-01	9/29/17 13:59
Tetrachloro-m-xylene [2]	*	30-150	S-01	9/29/17 13:59

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0641

Date Received: 9/14/2017

Field Sample #: WS-AOC-9-SO-4-1R Sampled: 9/14/2017 10:10

Sample ID: 17I0641-09

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	93.3		% Wt	1		SM 2540G	9/19/17	9/19/17 23:04	MJR

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0641

Date Received: 9/14/2017

Field Sample #: WS-AOC-9-SO-4-1R Sampled: 9/14/2017 10:10

Sample ID: 17I0641-09

Sample Matrix: Soil

SPLP - Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/22/17	9/28/17 18:00	JMB
Aroclor-1221 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/22/17	9/28/17 18:00	JMB
Aroclor-1232 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/22/17	9/28/17 18:00	JMB
Aroclor-1242 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/22/17	9/28/17 18:00	JMB
Aroclor-1248 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/22/17	9/28/17 18:00	JMB
Aroclor-1254 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/22/17	9/28/17 18:00	JMB
Aroclor-1260 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/22/17	9/28/17 18:00	JMB
Aroclor-1262 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/22/17	9/28/17 18:00	JMB
Aroclor-1268 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/22/17	9/28/17 18:00	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	94.2	30-150		9/28/17 18:00
Decachlorobiphenyl [2]	84.3	30-150		9/28/17 18:00
Tetrachloro-m-xylene [1]	85.4	30-150		9/28/17 18:00
Tetrachloro-m-xylene [2]	79.6	30-150		9/28/17 18:00

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0641

Date Received: 9/14/2017

Field Sample #: WS-AOC-9-SO-7-2R Sampled: 9/14/2017 10:12

Sample ID: 17I0641-10

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	0.34	mg/Kg dry	16		SW-846 8082A	9/21/17	9/29/17 14:12	TG
Aroclor-1221 [1]	ND	0.34	mg/Kg dry	16		SW-846 8082A	9/21/17	9/29/17 14:12	TG
Aroclor-1232 [1]	ND	0.34	mg/Kg dry	16		SW-846 8082A	9/21/17	9/29/17 14:12	TG
Aroclor-1242 [1]	ND	0.34	mg/Kg dry	16		SW-846 8082A	9/21/17	9/29/17 14:12	TG
Aroclor-1248 [1]	ND	0.34	mg/Kg dry	16		SW-846 8082A	9/21/17	9/29/17 14:12	TG
Aroclor-1254 [1]	ND	0.34	mg/Kg dry	16		SW-846 8082A	9/21/17	9/29/17 14:12	TG
Aroclor-1260 [2]	1.6	0.34	mg/Kg dry	16		SW-846 8082A	9/21/17	9/29/17 14:12	TG
Aroclor-1262 [1]	ND	0.34	mg/Kg dry	16		SW-846 8082A	9/21/17	9/29/17 14:12	TG
Aroclor-1268 [1]	ND	0.34	mg/Kg dry	16		SW-846 8082A	9/21/17	9/29/17 14:12	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	86.8	30-150		9/29/17 14:12
Decachlorobiphenyl [2]	95.6	30-150		9/29/17 14:12
Tetrachloro-m-xylene [1]	103	30-150		9/29/17 14:12
Tetrachloro-m-xylene [2]	106	30-150		9/29/17 14:12

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0641

Date Received: 9/14/2017

Field Sample #: WS-AOC-9-SO-7-2R Sampled: 9/14/2017 10:12

Sample ID: 17I0641-10

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	93.7		% Wt	1		SM 2540G	9/19/17	9/19/17 23:04	MJR

con-test® ANALYTICAL LABORATORY

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0641

Date Received: 9/14/2017

Field Sample #: WS-AOC-9-SO-7-2R Sampled: 9/14/2017 10:12

Sample ID: 17I0641-10

Sample Matrix: Soil

SPLP - Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/22/17	9/28/17 18:13	JMB
Aroclor-1221 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/22/17	9/28/17 18:13	JMB
Aroclor-1232 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/22/17	9/28/17 18:13	JMB
Aroclor-1242 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/22/17	9/28/17 18:13	JMB
Aroclor-1248 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/22/17	9/28/17 18:13	JMB
Aroclor-1254 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/22/17	9/28/17 18:13	JMB
Aroclor-1260 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/22/17	9/28/17 18:13	JMB
Aroclor-1262 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/22/17	9/28/17 18:13	JMB
Aroclor-1268 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/22/17	9/28/17 18:13	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	94.1	30-150		9/28/17 18:13
Decachlorobiphenyl [2]	84.1	30-150		9/28/17 18:13
Tetrachloro-m-xylene [1]	86.7	30-150		9/28/17 18:13
Tetrachloro-m-xylene [2]	80.5	30-150		9/28/17 18:13

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0641

Date Received: 9/14/2017

Field Sample #: WS-AOC-9-SO-9-1R Sampled: 9/14/2017 10:24

Sample ID: 17I0641-11

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	1.6	mg/Kg dry	80		SW-846 8082A	9/21/17	9/29/17 14:24	TG
Aroclor-1221 [1]	ND	1.6	mg/Kg dry	80		SW-846 8082A	9/21/17	9/29/17 14:24	TG
Aroclor-1232 [1]	ND	1.6	mg/Kg dry	80		SW-846 8082A	9/21/17	9/29/17 14:24	TG
Aroclor-1242 [1]	ND	1.6	mg/Kg dry	80		SW-846 8082A	9/21/17	9/29/17 14:24	TG
Aroclor-1248 [1]	ND	1.6	mg/Kg dry	80		SW-846 8082A	9/21/17	9/29/17 14:24	TG
Aroclor-1254 [1]	ND	1.6	mg/Kg dry	80		SW-846 8082A	9/21/17	9/29/17 14:24	TG
Aroclor-1260 [2]	11	1.6	mg/Kg dry	80		SW-846 8082A	9/21/17	9/29/17 14:24	TG
Aroclor-1262 [1]	ND	1.6	mg/Kg dry	80		SW-846 8082A	9/21/17	9/29/17 14:24	TG
Aroclor-1268 [1]	ND	1.6	mg/Kg dry	80		SW-846 8082A	9/21/17	9/29/17 14:24	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	*	30-150	S-01	9/29/17 14:24
Decachlorobiphenyl [2]	*	30-150	S-01	9/29/17 14:24
Tetrachloro-m-xylene [1]	*	30-150	S-01	9/29/17 14:24
Tetrachloro-m-xylene [2]	*	30-150	S-01	9/29/17 14:24

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0641

Date Received: 9/14/2017

Field Sample #: WS-AOC-9-SO-9-1R Sampled: 9/14/2017 10:24

Sample ID: 17I0641-11

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	94.3		% Wt	1		SM 2540G	9/19/17	9/19/17 23:04	MJR

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0641

Date Received: 9/14/2017

Field Sample #: WS-AOC-9-SO-9-1R Sampled: 9/14/2017 10:24

Sample ID: 17I0641-11

Sample Matrix: Soil

SPLP - Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/22/17	9/28/17 18:26	JMB
Aroclor-1221 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/22/17	9/28/17 18:26	JMB
Aroclor-1232 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/22/17	9/28/17 18:26	JMB
Aroclor-1242 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/22/17	9/28/17 18:26	JMB
Aroclor-1248 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/22/17	9/28/17 18:26	JMB
Aroclor-1254 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/22/17	9/28/17 18:26	JMB
Aroclor-1260 [1]	0.68	0.20	µg/L	1		SW-846 8082A	9/22/17	9/28/17 18:26	JMB
Aroclor-1262 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/22/17	9/28/17 18:26	JMB
Aroclor-1268 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/22/17	9/28/17 18:26	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	84.7	30-150		9/28/17 18:26
Decachlorobiphenyl [2]	75.9	30-150		9/28/17 18:26
Tetrachloro-m-xylene [1]	84.7	30-150		9/28/17 18:26
Tetrachloro-m-xylene [2]	80.2	30-150		9/28/17 18:26

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0641

Date Received: 9/14/2017

Field Sample #: WS-AOC-9-SO-10-1R Sampled: 9/14/2017 10:17

Sample ID: 17I0641-12

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	9/21/17	9/29/17 16:30	TG
Aroclor-1221 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	9/21/17	9/29/17 16:30	TG
Aroclor-1232 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	9/21/17	9/29/17 16:30	TG
Aroclor-1242 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	9/21/17	9/29/17 16:30	TG
Aroclor-1248 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	9/21/17	9/29/17 16:30	TG
Aroclor-1254 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	9/21/17	9/29/17 16:30	TG
Aroclor-1260 [1]	0.88	0.082	mg/Kg dry	4		SW-846 8082A	9/21/17	9/29/17 16:30	TG
Aroclor-1262 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	9/21/17	9/29/17 16:30	TG
Aroclor-1268 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	9/21/17	9/29/17 16:30	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	72.3	30-150		9/29/17 16:30
Decachlorobiphenyl [2]	79.7	30-150		9/29/17 16:30
Tetrachloro-m-xylene [1]	72.3	30-150		9/29/17 16:30
Tetrachloro-m-xylene [2]	73.0	30-150		9/29/17 16:30

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0641

Date Received: 9/14/2017

Field Sample #: WS-AOC-9-SO-10-1R Sampled: 9/14/2017 10:17

Sample ID: 17I0641-12

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	92.4		% Wt	1		SM 2540G	9/19/17	9/19/17 23:04	MJR

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0641

Date Received: 9/14/2017

Field Sample #: WS-AOC-9-SO-10-1R Sampled: 9/14/2017 10:17

Sample ID: 17I0641-12

Sample Matrix: Soil

SPLP - Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/22/17	9/28/17 18:40	JMB
Aroclor-1221 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/22/17	9/28/17 18:40	JMB
Aroclor-1232 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/22/17	9/28/17 18:40	JMB
Aroclor-1242 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/22/17	9/28/17 18:40	JMB
Aroclor-1248 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/22/17	9/28/17 18:40	JMB
Aroclor-1254 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/22/17	9/28/17 18:40	JMB
Aroclor-1260 [1]	0.23	0.20	µg/L	1		SW-846 8082A	9/22/17	9/28/17 18:40	JMB
Aroclor-1262 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/22/17	9/28/17 18:40	JMB
Aroclor-1268 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/22/17	9/28/17 18:40	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	65.7	30-150		9/28/17 18:40
Decachlorobiphenyl [2]	60.0	30-150		9/28/17 18:40
Tetrachloro-m-xylene [1]	86.6	30-150		9/28/17 18:40
Tetrachloro-m-xylene [2]	81.7	30-150		9/28/17 18:40

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0641

Date Received: 9/14/2017

Field Sample #: WS-AOC-9-SO-16-2R Sampled: 9/14/2017 10:27

Sample ID: 17I0641-13

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	8.7	mg/Kg dry	400		SW-846 8082A	9/21/17	9/29/17 15:26	TG
Aroclor-1221 [1]	ND	8.7	mg/Kg dry	400		SW-846 8082A	9/21/17	9/29/17 15:26	TG
Aroclor-1232 [1]	ND	8.7	mg/Kg dry	400		SW-846 8082A	9/21/17	9/29/17 15:26	TG
Aroclor-1242 [1]	ND	8.7	mg/Kg dry	400		SW-846 8082A	9/21/17	9/29/17 15:26	TG
Aroclor-1248 [1]	ND	8.7	mg/Kg dry	400		SW-846 8082A	9/21/17	9/29/17 15:26	TG
Aroclor-1254 [1]	ND	8.7	mg/Kg dry	400		SW-846 8082A	9/21/17	9/29/17 15:26	TG
Aroclor-1260 [2]	34	8.7	mg/Kg dry	400		SW-846 8082A	9/21/17	9/29/17 15:26	TG
Aroclor-1262 [1]	ND	8.7	mg/Kg dry	400		SW-846 8082A	9/21/17	9/29/17 15:26	TG
Aroclor-1268 [1]	ND	8.7	mg/Kg dry	400		SW-846 8082A	9/21/17	9/29/17 15:26	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	*	30-150	S-01	9/29/17 15:26
Decachlorobiphenyl [2]	*	30-150	S-01	9/29/17 15:26
Tetrachloro-m-xylene [1]	*	30-150	S-01	9/29/17 15:26
Tetrachloro-m-xylene [2]	*	30-150	S-01	9/29/17 15:26

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0641

Date Received: 9/14/2017

Field Sample #: WS-AOC-9-SO-16-2R Sampled: 9/14/2017 10:27

Sample ID: 17I0641-13

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	92.3		% Wt	1		SM 2540G	9/19/17	9/19/17 23:04	MJR

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0641

Date Received: 9/14/2017

Field Sample #: WS-AOC-9-SO-16-2R Sampled: 9/14/2017 10:27

Sample ID: 17I0641-13

Sample Matrix: Soil

SPLP - Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/22/17	9/28/17 18:53	JMB
Aroclor-1221 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/22/17	9/28/17 18:53	JMB
Aroclor-1232 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/22/17	9/28/17 18:53	JMB
Aroclor-1242 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/22/17	9/28/17 18:53	JMB
Aroclor-1248 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/22/17	9/28/17 18:53	JMB
Aroclor-1254 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/22/17	9/28/17 18:53	JMB
Aroclor-1260 [1]	2.0	0.20	µg/L	1		SW-846 8082A	9/22/17	9/28/17 18:53	JMB
Aroclor-1262 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/22/17	9/28/17 18:53	JMB
Aroclor-1268 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/22/17	9/28/17 18:53	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	73.5	30-150		9/28/17 18:53
Decachlorobiphenyl [2]	66.2	30-150		9/28/17 18:53
Tetrachloro-m-xylene [1]	89.9	30-150		9/28/17 18:53
Tetrachloro-m-xylene [2]	84.0	30-150		9/28/17 18:53

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0641

Date Received: 9/14/2017

Field Sample #: WS-AOC-9-SO-21-1R Sampled: 9/14/2017 10:32

Sample ID: 17I0641-14

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	1.6	mg/Kg dry	80		SW-846 8082A	9/21/17	9/29/17 15:38	TG
Aroclor-1221 [1]	ND	1.6	mg/Kg dry	80		SW-846 8082A	9/21/17	9/29/17 15:38	TG
Aroclor-1232 [1]	ND	1.6	mg/Kg dry	80		SW-846 8082A	9/21/17	9/29/17 15:38	TG
Aroclor-1242 [1]	ND	1.6	mg/Kg dry	80		SW-846 8082A	9/21/17	9/29/17 15:38	TG
Aroclor-1248 [1]	ND	1.6	mg/Kg dry	80		SW-846 8082A	9/21/17	9/29/17 15:38	TG
Aroclor-1254 [1]	ND	1.6	mg/Kg dry	80		SW-846 8082A	9/21/17	9/29/17 15:38	TG
Aroclor-1260 [2]	8.3	1.6	mg/Kg dry	80		SW-846 8082A	9/21/17	9/29/17 15:38	TG
Aroclor-1262 [1]	ND	1.6	mg/Kg dry	80		SW-846 8082A	9/21/17	9/29/17 15:38	TG
Aroclor-1268 [1]	ND	1.6	mg/Kg dry	80		SW-846 8082A	9/21/17	9/29/17 15:38	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	*	30-150	S-01	9/29/17 15:38
Decachlorobiphenyl [2]	*	30-150	S-01	9/29/17 15:38
Tetrachloro-m-xylene [1]	*	30-150	S-01	9/29/17 15:38
Tetrachloro-m-xylene [2]	*	30-150	S-01	9/29/17 15:38

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: 17I0641

Date Received: 9/14/2017

Field Sample #: WS-AOC-9-SO-21-1R Sampled: 9/14/2017 10:32

Sample ID: 17I0641-14

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	94.2		% Wt	1		SM 2540G	9/19/17	9/19/17 23:04	MJR

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0641

Date Received: 9/14/2017

Field Sample #: WS-AOC-9-SO-21-1R Sampled: 9/14/2017 10:32

Sample ID: 17I0641-14

Sample Matrix: Soil

SPLP - Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/22/17	9/28/17 19:06	JMB
Aroclor-1221 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/22/17	9/28/17 19:06	JMB
Aroclor-1232 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/22/17	9/28/17 19:06	JMB
Aroclor-1242 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/22/17	9/28/17 19:06	JMB
Aroclor-1248 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/22/17	9/28/17 19:06	JMB
Aroclor-1254 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/22/17	9/28/17 19:06	JMB
Aroclor-1260 [1]	0.73	0.20	µg/L	1		SW-846 8082A	9/22/17	9/28/17 19:06	JMB
Aroclor-1262 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/22/17	9/28/17 19:06	JMB
Aroclor-1268 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/22/17	9/28/17 19:06	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	68.5	30-150		9/28/17 19:06
Decachlorobiphenyl [2]	61.7	30-150		9/28/17 19:06
Tetrachloro-m-xylene [1]	94.9	30-150		9/28/17 19:06
Tetrachloro-m-xylene [2]	88.8	30-150		9/28/17 19:06

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0641

Date Received: 9/14/2017

Field Sample #: WS-AOC-9-SO-23-4R Sampled: 9/14/2017 09:52

Sample ID: 17I0641-15

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.83	mg/Kg dry	40		SW-846 8082A	9/21/17	9/29/17 15:51	TG
Aroclor-1221 [1]	ND	0.83	mg/Kg dry	40		SW-846 8082A	9/21/17	9/29/17 15:51	TG
Aroclor-1232 [1]	ND	0.83	mg/Kg dry	40		SW-846 8082A	9/21/17	9/29/17 15:51	TG
Aroclor-1242 [1]	ND	0.83	mg/Kg dry	40		SW-846 8082A	9/21/17	9/29/17 15:51	TG
Aroclor-1248 [1]	ND	0.83	mg/Kg dry	40		SW-846 8082A	9/21/17	9/29/17 15:51	TG
Aroclor-1254 [1]	ND	0.83	mg/Kg dry	40		SW-846 8082A	9/21/17	9/29/17 15:51	TG
Aroclor-1260 [2]	5.3	0.83	mg/Kg dry	40		SW-846 8082A	9/21/17	9/29/17 15:51	TG
Aroclor-1262 [1]	ND	0.83	mg/Kg dry	40		SW-846 8082A	9/21/17	9/29/17 15:51	TG
Aroclor-1268 [1]	ND	0.83	mg/Kg dry	40		SW-846 8082A	9/21/17	9/29/17 15:51	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	*	30-150	S-01	9/29/17 15:51
Decachlorobiphenyl [2]	*	30-150	S-01	9/29/17 15:51
Tetrachloro-m-xylene [1]	*	30-150	S-01	9/29/17 15:51
Tetrachloro-m-xylene [2]	*	30-150	S-01	9/29/17 15:51

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0641

Date Received: 9/14/2017

Field Sample #: WS-AOC-9-SO-23-4R Sampled: 9/14/2017 09:52

Sample ID: 17I0641-15

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	93.6		% Wt	1		SM 2540G	9/19/17	9/19/17 23:04	MJR

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0641

Date Received: 9/14/2017

Field Sample #: WS-AOC-9-SO-23-4R Sampled: 9/14/2017 09:52

Sample ID: 17I0641-15

Sample Matrix: Soil

SPLP - Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/22/17	9/28/17 19:20	JMB
Aroclor-1221 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/22/17	9/28/17 19:20	JMB
Aroclor-1232 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/22/17	9/28/17 19:20	JMB
Aroclor-1242 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/22/17	9/28/17 19:20	JMB
Aroclor-1248 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/22/17	9/28/17 19:20	JMB
Aroclor-1254 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/22/17	9/28/17 19:20	JMB
Aroclor-1260 [1]	0.82	0.20	µg/L	1		SW-846 8082A	9/22/17	9/28/17 19:20	JMB
Aroclor-1262 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/22/17	9/28/17 19:20	JMB
Aroclor-1268 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/22/17	9/28/17 19:20	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	76.0	30-150		9/28/17 19:20
Decachlorobiphenyl [2]	67.7	30-150		9/28/17 19:20
Tetrachloro-m-xylene [1]	91.0	30-150		9/28/17 19:20
Tetrachloro-m-xylene [2]	83.2	30-150		9/28/17 19:20

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0641

Date Received: 9/14/2017

Field Sample #: WS-AOC-9-SO-27-1R Sampled: 9/14/2017 10:02

Sample ID: 17I0641-16

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	1.7	mg/Kg dry	80		SW-846 8082A	9/21/17	9/29/17 16:03	TG
Aroclor-1221 [1]	ND	1.7	mg/Kg dry	80		SW-846 8082A	9/21/17	9/29/17 16:03	TG
Aroclor-1232 [1]	ND	1.7	mg/Kg dry	80		SW-846 8082A	9/21/17	9/29/17 16:03	TG
Aroclor-1242 [1]	ND	1.7	mg/Kg dry	80		SW-846 8082A	9/21/17	9/29/17 16:03	TG
Aroclor-1248 [1]	ND	1.7	mg/Kg dry	80		SW-846 8082A	9/21/17	9/29/17 16:03	TG
Aroclor-1254 [1]	ND	1.7	mg/Kg dry	80		SW-846 8082A	9/21/17	9/29/17 16:03	TG
Aroclor-1260 [2]	14	1.7	mg/Kg dry	80		SW-846 8082A	9/21/17	9/29/17 16:03	TG
Aroclor-1262 [1]	ND	1.7	mg/Kg dry	80		SW-846 8082A	9/21/17	9/29/17 16:03	TG
Aroclor-1268 [1]	ND	1.7	mg/Kg dry	80		SW-846 8082A	9/21/17	9/29/17 16:03	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	*	30-150	S-01	9/29/17 16:03
Decachlorobiphenyl [2]	*	30-150	S-01	9/29/17 16:03
Tetrachloro-m-xylene [1]	*	30-150	S-01	9/29/17 16:03
Tetrachloro-m-xylene [2]	*	30-150	S-01	9/29/17 16:03

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: 17I0641

Date Received: 9/14/2017

Field Sample #: WS-AOC-9-SO-27-1R Sampled: 9/14/2017 10:02

Sample ID: 17I0641-16

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	96.2		% Wt	1		SM 2540G	9/19/17	9/19/17 23:04	MJR

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0641

Date Received: 9/14/2017

Field Sample #: WS-AOC-9-SO-27-1R Sampled: 9/14/2017 10:02

Sample ID: 17I0641-16

Sample Matrix: Soil

SPLP - Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	1.0	µg/L	5		SW-846 8082A	9/22/17	9/29/17 18:07	JMB
Aroclor-1221 [1]	ND	1.0	µg/L	5		SW-846 8082A	9/22/17	9/29/17 18:07	JMB
Aroclor-1232 [1]	ND	1.0	µg/L	5		SW-846 8082A	9/22/17	9/29/17 18:07	JMB
Aroclor-1242 [1]	ND	1.0	µg/L	5		SW-846 8082A	9/22/17	9/29/17 18:07	JMB
Aroclor-1248 [1]	ND	1.0	µg/L	5		SW-846 8082A	9/22/17	9/29/17 18:07	JMB
Aroclor-1254 [1]	ND	1.0	µg/L	5		SW-846 8082A	9/22/17	9/29/17 18:07	JMB
Aroclor-1260 [1]	4.2	1.0	µg/L	5		SW-846 8082A	9/22/17	9/29/17 18:07	JMB
Aroclor-1262 [1]	ND	1.0	µg/L	5		SW-846 8082A	9/22/17	9/29/17 18:07	JMB
Aroclor-1268 [1]	ND	1.0	µg/L	5		SW-846 8082A	9/22/17	9/29/17 18:07	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	63.7	30-150		9/29/17 18:07
Decachlorobiphenyl [2]	60.9	30-150		9/29/17 18:07
Tetrachloro-m-xylene [1]	95.5	30-150		9/29/17 18:07
Tetrachloro-m-xylene [2]	91.6	30-150		9/29/17 18:07

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0641

Date Received: 9/14/2017

Field Sample #: WS-AOC-9-SO-31-1R Sampled: 9/14/2017 10:54

Sample ID: 17I0641-17

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	1.7	mg/Kg dry	80		SW-846 8082A	9/21/17	9/29/17 16:16	TG
Aroclor-1221 [1]	ND	1.7	mg/Kg dry	80		SW-846 8082A	9/21/17	9/29/17 16:16	TG
Aroclor-1232 [1]	ND	1.7	mg/Kg dry	80		SW-846 8082A	9/21/17	9/29/17 16:16	TG
Aroclor-1242 [1]	ND	1.7	mg/Kg dry	80		SW-846 8082A	9/21/17	9/29/17 16:16	TG
Aroclor-1248 [1]	ND	1.7	mg/Kg dry	80		SW-846 8082A	9/21/17	9/29/17 16:16	TG
Aroclor-1254 [1]	ND	1.7	mg/Kg dry	80		SW-846 8082A	9/21/17	9/29/17 16:16	TG
Aroclor-1260 [2]	15	1.7	mg/Kg dry	80		SW-846 8082A	9/21/17	9/29/17 16:16	TG
Aroclor-1262 [1]	ND	1.7	mg/Kg dry	80		SW-846 8082A	9/21/17	9/29/17 16:16	TG
Aroclor-1268 [1]	ND	1.7	mg/Kg dry	80		SW-846 8082A	9/21/17	9/29/17 16:16	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	*	30-150	S-01	9/29/17 16:16
Decachlorobiphenyl [2]	*	30-150	S-01	9/29/17 16:16
Tetrachloro-m-xylene [1]	*	30-150	S-01	9/29/17 16:16
Tetrachloro-m-xylene [2]	*	30-150	S-01	9/29/17 16:16

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0641

Date Received: 9/14/2017

Field Sample #: WS-AOC-9-SO-31-1R Sampled: 9/14/2017 10:54

Sample ID: 17I0641-17

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	94.2		% Wt	1		SM 2540G	9/19/17	9/19/17 23:04	MJR

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0641

Date Received: 9/14/2017

Field Sample #: WS-AOC-9-SO-31-1R Sampled: 9/14/2017 10:54

Sample ID: 17I0641-17

Sample Matrix: Soil

SPLP - Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/22/17	9/28/17 19:46	JMB
Aroclor-1221 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/22/17	9/28/17 19:46	JMB
Aroclor-1232 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/22/17	9/28/17 19:46	JMB
Aroclor-1242 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/22/17	9/28/17 19:46	JMB
Aroclor-1248 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/22/17	9/28/17 19:46	JMB
Aroclor-1254 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/22/17	9/28/17 19:46	JMB
Aroclor-1260 [1]	0.69	0.20	µg/L	1		SW-846 8082A	9/22/17	9/28/17 19:46	JMB
Aroclor-1262 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/22/17	9/28/17 19:46	JMB
Aroclor-1268 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/22/17	9/28/17 19:46	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	55.5	30-150		9/28/17 19:46
Decachlorobiphenyl [2]	50.1	30-150		9/28/17 19:46
Tetrachloro-m-xylene [1]	86.7	30-150		9/28/17 19:46
Tetrachloro-m-xylene [2]	80.1	30-150		9/28/17 19:46

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0641

Date Received: 9/14/2017

Field Sample #: WS-AOC-9-SO-32-3R Sampled: 9/14/2017 11:06

Sample ID: 17I0641-18

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	1.7	0.25	mg/Kg dry	1		SW-846 8270D	9/21/17	9/25/17 11:00	BGL
Acenaphthene	1.7	1.2	mg/Kg dry	5		SW-846 8270D	9/21/17	9/25/17 11:26	BGL
Acenaphthylene	0.37	0.25	mg/Kg dry	1		SW-846 8270D	9/21/17	9/25/17 11:00	BGL
Acenaphthylene	ND	1.2	mg/Kg dry	5		SW-846 8270D	9/21/17	9/25/17 11:26	BGL
Anthracene	2.0	0.25	mg/Kg dry	1		SW-846 8270D	9/21/17	9/25/17 11:00	BGL
Anthracene	1.9	1.2	mg/Kg dry	5		SW-846 8270D	9/21/17	9/25/17 11:26	BGL
Benzo(a)anthracene	4.5	0.25	mg/Kg dry	1		SW-846 8270D	9/21/17	9/25/17 11:00	BGL
Benzo(a)anthracene	4.7	1.2	mg/Kg dry	5		SW-846 8270D	9/21/17	9/25/17 11:26	BGL
Benzo(a)pyrene	4.4	0.25	mg/Kg dry	1		SW-846 8270D	9/21/17	9/25/17 11:00	BGL
Benzo(a)pyrene	4.4	1.2	mg/Kg dry	5		SW-846 8270D	9/21/17	9/25/17 11:26	BGL
Benzo(b)fluoranthene	4.9	0.25	mg/Kg dry	1		SW-846 8270D	9/21/17	9/25/17 11:00	BGL
Benzo(b)fluoranthene	5.0	1.2	mg/Kg dry	5		SW-846 8270D	9/21/17	9/25/17 11:26	BGL
Benzo(g,h,i)perylene	3.0	0.25	mg/Kg dry	1		SW-846 8270D	9/21/17	9/25/17 11:00	BGL
Benzo(g,h,i)perylene	2.7	1.2	mg/Kg dry	5		SW-846 8270D	9/21/17	9/25/17 11:26	BGL
Benzo(k)fluoranthene	1.9	0.25	mg/Kg dry	1		SW-846 8270D	9/21/17	9/25/17 11:00	BGL
Benzo(k)fluoranthene	1.9	1.2	mg/Kg dry	5		SW-846 8270D	9/21/17	9/25/17 11:26	BGL
Chrysene	3.9	0.25	mg/Kg dry	1		SW-846 8270D	9/21/17	9/25/17 11:00	BGL
Chrysene	4.1	1.2	mg/Kg dry	5		SW-846 8270D	9/21/17	9/25/17 11:26	BGL
Dibenz(a,h)anthracene	0.66	0.25	mg/Kg dry	1		SW-846 8270D	9/21/17	9/25/17 11:00	BGL
Dibenz(a,h)anthracene	ND	1.2	mg/Kg dry	5		SW-846 8270D	9/21/17	9/25/17 11:26	BGL
Fluoranthene	13	0.25	mg/Kg dry	1	E	SW-846 8270D	9/21/17	9/25/17 11:00	BGL
Fluoranthene	10	1.2	mg/Kg dry	5		SW-846 8270D	9/21/17	9/25/17 11:26	BGL
Fluorene	1.4	0.25	mg/Kg dry	1		SW-846 8270D	9/21/17	9/25/17 11:00	BGL
Fluorene	1.5	1.2	mg/Kg dry	5		SW-846 8270D	9/21/17	9/25/17 11:26	BGL
Indeno(1,2,3-cd)pyrene	2.9	0.25	mg/Kg dry	1		SW-846 8270D	9/21/17	9/25/17 11:00	BGL
Indeno(1,2,3-cd)pyrene	2.8	1.2	mg/Kg dry	5		SW-846 8270D	9/21/17	9/25/17 11:26	BGL
2-Methylnaphthalene	0.72	0.25	mg/Kg dry	1		SW-846 8270D	9/21/17	9/25/17 11:00	BGL
2-Methylnaphthalene	ND	1.2	mg/Kg dry	5		SW-846 8270D	9/21/17	9/25/17 11:26	BGL
Naphthalene	2.9	0.25	mg/Kg dry	1		SW-846 8270D	9/21/17	9/25/17 11:00	BGL
Naphthalene	3.0	1.2	mg/Kg dry	5		SW-846 8270D	9/21/17	9/25/17 11:26	BGL
Phenanthrene	8.5	0.25	mg/Kg dry	1	E	SW-846 8270D	9/21/17	9/25/17 11:00	BGL
Phenanthrene	7.5	1.2	mg/Kg dry	5		SW-846 8270D	9/21/17	9/25/17 11:26	BGL
Pyrene	9.8	0.25	mg/Kg dry	1	E	SW-846 8270D	9/21/17	9/25/17 11:00	BGL
Pyrene	9.1	1.2	mg/Kg dry	5		SW-846 8270D	9/21/17	9/25/17 11:26	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Nitrobenzene-d5	45.4	30-130		9/25/17 11:00
Nitrobenzene-d5	46.7	30-130		9/25/17 11:26
2-Fluorobiphenyl	66.2	30-130		9/25/17 11:00
2-Fluorobiphenyl	64.3	30-130		9/25/17 11:26
p-Terphenyl-d14	63.9	30-130		9/25/17 11:00
p-Terphenyl-d14	65.7	30-130		9/25/17 11:26

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0641

Date Received: 9/14/2017

Field Sample #: WS-AOC-9-SO-32-3R Sampled: 9/14/2017 11:06

Sample ID: 17I0641-18

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	69.3		% Wt	1		SM 2540G	9/19/17	9/19/17 23:04	MJR

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0641

Date Received: 9/14/2017

Field Sample #: WS-AOC-9-SO-32-3R Sampled: 9/14/2017 11:06

Sample ID: 17I0641-18

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)	5.3	0.29	µg/L	1		SW-846 8270D	9/21/17	9/24/17 22:55	CJM
Acenaphthene (SIM)	5.7	2.9	µg/L	10		SW-846 8270D	9/21/17	9/25/17 22:54	CJM
Acenaphthylene (SIM)	ND	0.29	µg/L	1		SW-846 8270D	9/21/17	9/24/17 22:55	CJM
Acenaphthylene (SIM)	ND	2.9	µg/L	10		SW-846 8270D	9/21/17	9/25/17 22:54	CJM
Anthracene (SIM)	3.7	0.20	µg/L	1		SW-846 8270D	9/21/17	9/24/17 22:55	CJM
Anthracene (SIM)	3.7	2.0	µg/L	10		SW-846 8270D	9/21/17	9/25/17 22:54	CJM
Benzo(a)anthracene (SIM)	3.4	0.049	µg/L	1		SW-846 8270D	9/21/17	9/24/17 22:55	CJM
Benzo(a)anthracene (SIM)	3.5	0.49	µg/L	10		SW-846 8270D	9/21/17	9/25/17 22:54	CJM
Benzo(a)pyrene (SIM)	2.1	0.098	µg/L	1		SW-846 8270D	9/21/17	9/24/17 22:55	CJM
Benzo(a)pyrene (SIM)	2.2	0.98	µg/L	10		SW-846 8270D	9/21/17	9/25/17 22:54	CJM
Benzo(b)fluoranthene (SIM)	2.4	0.049	µg/L	1		SW-846 8270D	9/21/17	9/24/17 22:55	CJM
Benzo(b)fluoranthene (SIM)	2.7	0.49	µg/L	10		SW-846 8270D	9/21/17	9/25/17 22:54	CJM
Benzo(g,h,i)perylene (SIM)	0.88	0.49	µg/L	1		SW-846 8270D	9/21/17	9/24/17 22:55	CJM
Benzo(g,h,i)perylene (SIM)	ND	4.9	µg/L	10		SW-846 8270D	9/21/17	9/25/17 22:54	CJM
Benzo(k)fluoranthene (SIM)	0.82	0.20	µg/L	1		SW-846 8270D	9/21/17	9/24/17 22:55	CJM
Benzo(k)fluoranthene (SIM)	ND	2.0	µg/L	10		SW-846 8270D	9/21/17	9/25/17 22:54	CJM
Chrysene (SIM)	3.4	0.20	µg/L	1		SW-846 8270D	9/21/17	9/24/17 22:55	CJM
Chrysene (SIM)	3.7	2.0	µg/L	10		SW-846 8270D	9/21/17	9/25/17 22:54	CJM
Dibenz(a,h)anthracene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	9/21/17	9/24/17 22:55	CJM
Dibenz(a,h)anthracene (SIM)	ND	2.0	µg/L	10		SW-846 8270D	9/21/17	9/25/17 22:54	CJM
Fluoranthene (SIM)	14	0.49	µg/L	1	E	SW-846 8270D	9/21/17	9/24/17 22:55	CJM
Fluoranthene (SIM)	16	4.9	µg/L	10		SW-846 8270D	9/21/17	9/25/17 22:54	CJM
Fluorene (SIM)	2.8	0.98	µg/L	1		SW-846 8270D	9/21/17	9/24/17 22:55	CJM
Fluorene (SIM)	ND	9.8	µg/L	10		SW-846 8270D	9/21/17	9/25/17 22:54	CJM
Indeno(1,2,3-cd)pyrene (SIM)	0.90	0.20	µg/L	1		SW-846 8270D	9/21/17	9/24/17 22:55	CJM
Indeno(1,2,3-cd)pyrene (SIM)	ND	2.0	µg/L	10		SW-846 8270D	9/21/17	9/25/17 22:54	CJM
2-Methylnaphthalene (SIM)	ND	0.98	µg/L	1		SW-846 8270D	9/21/17	9/24/17 22:55	CJM
2-Methylnaphthalene (SIM)	ND	9.8	µg/L	10		SW-846 8270D	9/21/17	9/25/17 22:54	CJM
Naphthalene (SIM)	ND	0.98	µg/L	1		SW-846 8270D	9/21/17	9/24/17 22:55	CJM
Naphthalene (SIM)	ND	9.8	µg/L	10		SW-846 8270D	9/21/17	9/25/17 22:54	CJM
Phenanthrene (SIM)	16	0.049	µg/L	1	B-07, E, B	SW-846 8270D	9/21/17	9/24/17 22:55	CJM
Phenanthrene (SIM)	18	0.49	µg/L	10	B-07, B	SW-846 8270D	9/21/17	9/25/17 22:54	CJM
Pyrene (SIM)	14	0.98	µg/L	1	E	SW-846 8270D	9/21/17	9/24/17 22:55	CJM
Pyrene (SIM)	15	9.8	µg/L	10		SW-846 8270D	9/21/17	9/25/17 22:54	CJM

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Nitrobenzene-d5	69.4	30-130		9/24/17 22:55
Nitrobenzene-d5	76.0	30-130		9/25/17 22:54
2-Fluorobiphenyl	69.8	30-130		9/24/17 22:55
2-Fluorobiphenyl	78.8	30-130		9/25/17 22:54
p-Terphenyl-d14	49.9	30-130		9/24/17 22:55
p-Terphenyl-d14	50.3	30-130		9/25/17 22:54

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0641

Date Received: 9/14/2017

Field Sample #: WS-AOC-9-SO-35-3R Sampled: 9/14/2017 11:24

Sample ID: 17I0641-19

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	0.97	0.21	mg/Kg dry	1		SW-846 8270D	9/21/17	9/22/17 20:54	BGL
Acenaphthene	1.0	0.41	mg/Kg dry	2		SW-846 8270D	9/21/17	9/25/17 11:52	BGL
Acenaphthylene	ND	0.21	mg/Kg dry	1		SW-846 8270D	9/21/17	9/22/17 20:54	BGL
Acenaphthylene	ND	0.41	mg/Kg dry	2		SW-846 8270D	9/21/17	9/25/17 11:52	BGL
Anthracene	1.1	0.21	mg/Kg dry	1		SW-846 8270D	9/21/17	9/22/17 20:54	BGL
Anthracene	1.1	0.41	mg/Kg dry	2		SW-846 8270D	9/21/17	9/25/17 11:52	BGL
Benzo(a)anthracene	1.9	0.21	mg/Kg dry	1		SW-846 8270D	9/21/17	9/22/17 20:54	BGL
Benzo(a)anthracene	2.1	0.41	mg/Kg dry	2		SW-846 8270D	9/21/17	9/25/17 11:52	BGL
Benzo(a)pyrene	1.7	0.21	mg/Kg dry	1		SW-846 8270D	9/21/17	9/22/17 20:54	BGL
Benzo(a)pyrene	1.8	0.41	mg/Kg dry	2		SW-846 8270D	9/21/17	9/25/17 11:52	BGL
Benzo(b)fluoranthene	1.8	0.21	mg/Kg dry	1		SW-846 8270D	9/21/17	9/22/17 20:54	BGL
Benzo(b)fluoranthene	2.0	0.41	mg/Kg dry	2		SW-846 8270D	9/21/17	9/25/17 11:52	BGL
Benzo(g,h,i)perylene	0.99	0.21	mg/Kg dry	1		SW-846 8270D	9/21/17	9/22/17 20:54	BGL
Benzo(g,h,i)perylene	1.3	0.41	mg/Kg dry	2		SW-846 8270D	9/21/17	9/25/17 11:52	BGL
Benzo(k)fluoranthene	0.65	0.21	mg/Kg dry	1		SW-846 8270D	9/21/17	9/22/17 20:54	BGL
Benzo(k)fluoranthene	0.75	0.41	mg/Kg dry	2		SW-846 8270D	9/21/17	9/25/17 11:52	BGL
Chrysene	1.8	0.21	mg/Kg dry	1		SW-846 8270D	9/21/17	9/22/17 20:54	BGL
Chrysene	1.9	0.41	mg/Kg dry	2		SW-846 8270D	9/21/17	9/25/17 11:52	BGL
Dibenz(a,h)anthracene	0.24	0.21	mg/Kg dry	1		SW-846 8270D	9/21/17	9/22/17 20:54	BGL
Dibenz(a,h)anthracene	ND	0.41	mg/Kg dry	2		SW-846 8270D	9/21/17	9/25/17 11:52	BGL
Fluoranthene	5.9	0.21	mg/Kg dry	1	E	SW-846 8270D	9/21/17	9/22/17 20:54	BGL
Fluoranthene	5.7	0.41	mg/Kg dry	2		SW-846 8270D	9/21/17	9/25/17 11:52	BGL
Fluorene	0.72	0.21	mg/Kg dry	1		SW-846 8270D	9/21/17	9/22/17 20:54	BGL
Fluorene	0.75	0.41	mg/Kg dry	2		SW-846 8270D	9/21/17	9/25/17 11:52	BGL
Indeno(1,2,3-cd)pyrene	1.0	0.21	mg/Kg dry	1		SW-846 8270D	9/21/17	9/22/17 20:54	BGL
Indeno(1,2,3-cd)pyrene	1.3	0.41	mg/Kg dry	2		SW-846 8270D	9/21/17	9/25/17 11:52	BGL
2-Methylnaphthalene	0.38	0.21	mg/Kg dry	1		SW-846 8270D	9/21/17	9/22/17 20:54	BGL
2-Methylnaphthalene	0.42	0.41	mg/Kg dry	2		SW-846 8270D	9/21/17	9/25/17 11:52	BGL
Naphthalene	1.6	0.21	mg/Kg dry	1		SW-846 8270D	9/21/17	9/22/17 20:54	BGL
Naphthalene	1.7	0.41	mg/Kg dry	2		SW-846 8270D	9/21/17	9/25/17 11:52	BGL
Phenanthrene	4.3	0.21	mg/Kg dry	1		SW-846 8270D	9/21/17	9/22/17 20:54	BGL
Phenanthrene	4.3	0.41	mg/Kg dry	2		SW-846 8270D	9/21/17	9/25/17 11:52	BGL
Pyrene	5.2	0.21	mg/Kg dry	1	E	SW-846 8270D	9/21/17	9/22/17 20:54	BGL
Pyrene	4.8	0.41	mg/Kg dry	2		SW-846 8270D	9/21/17	9/25/17 11:52	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Nitrobenzene-d5	55.4	30-130		9/22/17 20:54
Nitrobenzene-d5	58.8	30-130		9/25/17 11:52
2-Fluorobiphenyl	67.6	30-130		9/22/17 20:54
2-Fluorobiphenyl	70.1	30-130		9/25/17 11:52
p-Terphenyl-d14	82.5	30-130		9/22/17 20:54
p-Terphenyl-d14	76.4	30-130		9/25/17 11:52

con-test® ANALYTICAL LABORATORY

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0641

Date Received: 9/14/2017

Field Sample #: WS-AOC-9-SO-35-3R Sampled: 9/14/2017 11:24

Sample ID: 17I0641-19

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	82.0		% Wt	1		SM 2540G	9/19/17	9/19/17 23:04	MJR

con-test® ANALYTICAL LABORATORY

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0641

Date Received: 9/14/2017

Field Sample #: WS-AOC-9-SO-35-3R Sampled: 9/14/2017 11:24

Sample ID: 17I0641-19

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)	8.1	0.30	µg/L	1		SW-846 8270D	9/21/17	9/24/17 23:23	CJM
Acenaphthylene (SIM)	ND	0.30	µg/L	1		SW-846 8270D	9/21/17	9/24/17 23:23	CJM
Anthracene (SIM)	1.1	0.20	µg/L	1		SW-846 8270D	9/21/17	9/24/17 23:23	CJM
Benzo(a)anthracene (SIM)	0.14	0.050	µg/L	1		SW-846 8270D	9/21/17	9/24/17 23:23	CJM
Benzo(a)pyrene (SIM)	ND	0.10	µg/L	1		SW-846 8270D	9/21/17	9/24/17 23:23	CJM
Benzo(b)fluoranthene (SIM)	0.098	0.050	µg/L	1		SW-846 8270D	9/21/17	9/24/17 23:23	CJM
Benzo(g,h,i)perylene (SIM)	ND	0.50	µg/L	1		SW-846 8270D	9/21/17	9/24/17 23:23	CJM
Benzo(k)fluoranthene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	9/21/17	9/24/17 23:23	CJM
Chrysene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	9/21/17	9/24/17 23:23	CJM
Dibenz(a,h)anthracene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	9/21/17	9/24/17 23:23	CJM
Fluoranthene (SIM)	1.7	0.50	µg/L	1		SW-846 8270D	9/21/17	9/24/17 23:23	CJM
Fluorene (SIM)	3.0	1.0	µg/L	1		SW-846 8270D	9/21/17	9/24/17 23:23	CJM
Indeno(1,2,3-cd)pyrene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	9/21/17	9/24/17 23:23	CJM
2-Methylnaphthalene (SIM)	ND	1.0	µg/L	1		SW-846 8270D	9/21/17	9/24/17 23:23	CJM
Naphthalene (SIM)	4.8	1.0	µg/L	1		SW-846 8270D	9/21/17	9/24/17 23:23	CJM
Phenanthrene (SIM)	6.5	0.050	µg/L	1	B-07, B	SW-846 8270D	9/21/17	9/24/17 23:23	CJM
Pyrene (SIM)	1.3	1.0	µg/L	1		SW-846 8270D	9/21/17	9/24/17 23:23	CJM

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Nitrobenzene-d5	79.9	30-130		9/24/17 23:23
2-Fluorobiphenyl	81.6	30-130		9/24/17 23:23
p-Terphenyl-d14	69.1	30-130		9/24/17 23:23

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0641

Date Received: 9/14/2017

Field Sample #: WS-AOC-9-SO-37-3R Sampled: 9/14/2017 11:31

Sample ID: 17I0641-20

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	4.6	0.21	mg/Kg dry	1	MS-09	SW-846 8270D	9/21/17	9/22/17 21:18	BGL
Acenaphthene	4.6	2.1	mg/Kg dry	10		SW-846 8270D	9/21/17	9/25/17 12:19	BGL
Acenaphthylene	0.61	0.21	mg/Kg dry	1		SW-846 8270D	9/21/17	9/22/17 21:18	BGL
Acenaphthylene	ND	2.1	mg/Kg dry	10		SW-846 8270D	9/21/17	9/25/17 12:19	BGL
Anthracene	6.7	0.21	mg/Kg dry	1	E, MS-09	SW-846 8270D	9/21/17	9/22/17 21:18	BGL
Anthracene	6.1	2.1	mg/Kg dry	10		SW-846 8270D	9/21/17	9/25/17 12:19	BGL
Benzo(a)anthracene	8.3	0.21	mg/Kg dry	1	E, MS-09	SW-846 8270D	9/21/17	9/22/17 21:18	BGL
Benzo(a)anthracene	9.4	2.1	mg/Kg dry	10		SW-846 8270D	9/21/17	9/25/17 12:19	BGL
Benzo(a)pyrene	8.0	0.21	mg/Kg dry	1	E, MS-09	SW-846 8270D	9/21/17	9/22/17 21:18	BGL
Benzo(a)pyrene	8.3	2.1	mg/Kg dry	10		SW-846 8270D	9/21/17	9/25/17 12:19	BGL
Benzo(b)fluoranthene	8.1	0.21	mg/Kg dry	1	E, MS-09	SW-846 8270D	9/21/17	9/22/17 21:18	BGL
Benzo(b)fluoranthene	8.9	2.1	mg/Kg dry	10		SW-846 8270D	9/21/17	9/25/17 12:19	BGL
Benzo(g,h,i)perylene	4.4	0.21	mg/Kg dry	1		SW-846 8270D	9/21/17	9/22/17 21:18	BGL
Benzo(g,h,i)perylene	5.8	2.1	mg/Kg dry	10		SW-846 8270D	9/21/17	9/25/17 12:19	BGL
Benzo(k)fluoranthene	3.0	0.21	mg/Kg dry	1	MS-09	SW-846 8270D	9/21/17	9/22/17 21:18	BGL
Benzo(k)fluoranthene	3.4	2.1	mg/Kg dry	10		SW-846 8270D	9/21/17	9/25/17 12:19	BGL
Chrysene	7.7	0.21	mg/Kg dry	1	MS-09, E	SW-846 8270D	9/21/17	9/22/17 21:18	BGL
Chrysene	8.6	2.1	mg/Kg dry	10		SW-846 8270D	9/21/17	9/25/17 12:19	BGL
Dibenz(a,h)anthracene	1.1	0.21	mg/Kg dry	1		SW-846 8270D	9/21/17	9/22/17 21:18	BGL
Dibenz(a,h)anthracene	ND	2.1	mg/Kg dry	10		SW-846 8270D	9/21/17	9/25/17 12:19	BGL
Fluoranthene	25	0.21	mg/Kg dry	1	MS-09, E	SW-846 8270D	9/21/17	9/22/17 21:18	BGL
Fluoranthene	25	2.1	mg/Kg dry	10		SW-846 8270D	9/21/17	9/25/17 12:19	BGL
Fluorene	4.1	0.21	mg/Kg dry	1	MS-09	SW-846 8270D	9/21/17	9/22/17 21:18	BGL
Fluorene	4.1	2.1	mg/Kg dry	10		SW-846 8270D	9/21/17	9/25/17 12:19	BGL
Indeno(1,2,3-cd)pyrene	4.5	0.21	mg/Kg dry	1		SW-846 8270D	9/21/17	9/22/17 21:18	BGL
Indeno(1,2,3-cd)pyrene	5.9	2.1	mg/Kg dry	10		SW-846 8270D	9/21/17	9/25/17 12:19	BGL
2-Methylnaphthalene	2.3	0.21	mg/Kg dry	1		SW-846 8270D	9/21/17	9/22/17 21:18	BGL
2-Methylnaphthalene	2.6	2.1	mg/Kg dry	10		SW-846 8270D	9/21/17	9/25/17 12:19	BGL
Naphthalene	7.0	0.21	mg/Kg dry	1	MS-09, E	SW-846 8270D	9/21/17	9/22/17 21:18	BGL
Naphthalene	7.0	2.1	mg/Kg dry	10		SW-846 8270D	9/21/17	9/25/17 12:19	BGL
Phenanthrene	22	0.21	mg/Kg dry	1	E, MS-09	SW-846 8270D	9/21/17	9/22/17 21:18	BGL
Phenanthrene	23	2.1	mg/Kg dry	10		SW-846 8270D	9/21/17	9/25/17 12:19	BGL
Pyrene	25	0.21	mg/Kg dry	1	E, MS-09	SW-846 8270D	9/21/17	9/22/17 21:18	BGL
Pyrene	23	2.1	mg/Kg dry	10		SW-846 8270D	9/21/17	9/25/17 12:19	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Nitrobenzene-d5	66.4	30-130		9/22/17 21:18
Nitrobenzene-d5	71.4	30-130		9/25/17 12:19
2-Fluorobiphenyl	80.8	30-130		9/22/17 21:18
2-Fluorobiphenyl	85.4	30-130		9/25/17 12:19
p-Terphenyl-d14	105	30-130		9/22/17 21:18
p-Terphenyl-d14	98.3	30-130		9/25/17 12:19

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0641

Date Received: 9/14/2017

Field Sample #: WS-AOC-9-SO-37-3R Sampled: 9/14/2017 11:31

Sample ID: 17I0641-20

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	81.0		% Wt	1		SM 2540G	9/19/17	9/19/17 23:04	MJR

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17I0641

Date Received: 9/14/2017

Field Sample #: WS-AOC-9-SO-37-3R Sampled: 9/14/2017 11:31

Sample ID: 17I0641-20

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)	8.4	0.30	µg/L	1		SW-846 8270D	9/21/17	9/24/17 23:52	CJM
Acenaphthylene (SIM)	ND	0.30	µg/L	1		SW-846 8270D	9/21/17	9/24/17 23:52	CJM
Anthracene (SIM)	0.85	0.20	µg/L	1		SW-846 8270D	9/21/17	9/24/17 23:52	CJM
Benzo(a)anthracene (SIM)	0.065	0.050	µg/L	1		SW-846 8270D	9/21/17	9/24/17 23:52	CJM
Benzo(a)pyrene (SIM)	ND	0.10	µg/L	1		SW-846 8270D	9/21/17	9/24/17 23:52	CJM
Benzo(b)fluoranthene (SIM)	ND	0.050	µg/L	1		SW-846 8270D	9/21/17	9/24/17 23:52	CJM
Benzo(g,h,i)perylene (SIM)	ND	0.50	µg/L	1		SW-846 8270D	9/21/17	9/24/17 23:52	CJM
Benzo(k)fluoranthene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	9/21/17	9/24/17 23:52	CJM
Chrysene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	9/21/17	9/24/17 23:52	CJM
Dibenz(a,h)anthracene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	9/21/17	9/24/17 23:52	CJM
Fluoranthene (SIM)	1.2	0.50	µg/L	1		SW-846 8270D	9/21/17	9/24/17 23:52	CJM
Fluorene (SIM)	2.3	1.0	µg/L	1		SW-846 8270D	9/21/17	9/24/17 23:52	CJM
Indeno(1,2,3-cd)pyrene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	9/21/17	9/24/17 23:52	CJM
2-Methylnaphthalene (SIM)	1.9	1.0	µg/L	1		SW-846 8270D	9/21/17	9/24/17 23:52	CJM
Naphthalene (SIM)	8.4	1.0	µg/L	1		SW-846 8270D	9/21/17	9/24/17 23:52	CJM
Phenanthrene (SIM)	4.5	0.050	µg/L	1	B-07, B	SW-846 8270D	9/21/17	9/24/17 23:52	CJM
Pyrene (SIM)	ND	1.0	µg/L	1		SW-846 8270D	9/21/17	9/24/17 23:52	CJM

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Nitrobenzene-d5	81.2	30-130		9/24/17 23:52
2-Fluorobiphenyl	82.3	30-130		9/24/17 23:52
p-Terphenyl-d14	71.1	30-130		9/24/17 23:52

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

Sample Extraction Data

Prep Method: % Solids-SM 2540G

Lab Number [Field ID]	Batch	Date
17I0641-01 [WS-AOC-07-SO-13-1R]	B186579	09/19/17
17I0641-02 [WS-AOC-07-SO-14-2R]	B186579	09/19/17
17I0641-03 [WS-AOC-07-SO-14-3R]	B186579	09/19/17
17I0641-04 [WS-AOC-07-SO-15-1R]	B186579	09/19/17
17I0641-05 [WS-AOC-8-SO-2-1R]	B186579	09/19/17
17I0641-06 [WS-AOC-8-SO-4-1R]	B186579	09/19/17
17I0641-07 [WS-AOC-8-SO-4-2R]	B186579	09/19/17
17I0641-08 [WS-AOC-8-SO-4-3R]	B186579	09/19/17
17I0641-09 [WS-AOC-9-SO-4-1R]	B186579	09/19/17
17I0641-10 [WS-AOC-9-SO-7-2R]	B186579	09/19/17
17I0641-11 [WS-AOC-9-SO-9-1R]	B186579	09/19/17
17I0641-12 [WS-AOC-9-SO-10-1R]	B186579	09/19/17
17I0641-13 [WS-AOC-9-SO-16-2R]	B186579	09/19/17
17I0641-14 [WS-AOC-9-SO-21-1R]	B186579	09/19/17
17I0641-15 [WS-AOC-9-SO-23-4R]	B186579	09/19/17
17I0641-16 [WS-AOC-9-SO-27-1R]	B186579	09/19/17
17I0641-17 [WS-AOC-9-SO-31-1R]	B186579	09/19/17
17I0641-18 [WS-AOC-9-SO-32-3R]	B186579	09/19/17
17I0641-19 [WS-AOC-9-SO-35-3R]	B186579	09/19/17
17I0641-20 [WS-AOC-9-SO-37-3R]	B186579	09/19/17

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17I0641-01 [WS-AOC-07-SO-13-1R]	B186779	10.2	10.0	09/21/17
17I0641-02 [WS-AOC-07-SO-14-2R]	B186779	10.0	10.0	09/21/17
17I0641-03 [WS-AOC-07-SO-14-3R]	B186779	10.0	10.0	09/21/17
17I0641-04 [WS-AOC-07-SO-15-1R]	B186779	10.5	10.0	09/21/17
17I0641-06 [WS-AOC-8-SO-4-1R]	B186779	10.4	10.0	09/21/17
17I0641-07 [WS-AOC-8-SO-4-2R]	B186779	10.1	10.0	09/21/17
17I0641-08 [WS-AOC-8-SO-4-3R]	B186779	10.1	10.0	09/21/17
17I0641-09 [WS-AOC-9-SO-4-1R]	B186779	10.3	10.0	09/21/17
17I0641-10 [WS-AOC-9-SO-7-2R]	B186779	10.0	10.0	09/21/17
17I0641-11 [WS-AOC-9-SO-9-1R]	B186779	10.5	10.0	09/21/17
17I0641-12 [WS-AOC-9-SO-10-1R]	B186779	10.5	10.0	09/21/17
17I0641-13 [WS-AOC-9-SO-16-2R]	B186779	10.0	10.0	09/21/17
17I0641-14 [WS-AOC-9-SO-21-1R]	B186779	10.5	10.0	09/21/17
17I0641-15 [WS-AOC-9-SO-23-4R]	B186779	10.3	10.0	09/21/17
17I0641-16 [WS-AOC-9-SO-27-1R]	B186779	10.0	10.0	09/21/17
17I0641-17 [WS-AOC-9-SO-31-1R]	B186779	10.1	10.0	09/21/17

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17I0641-08RE1 [WS-AOC-8-SO-4-3R]	B187427	10.6	10.0	09/29/17

Prep Method: SW-846 3510C-SW-846 8082A **Leachates were extracted on 9/20/2017 per SW-846 1312 in Batch B186630**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
17I0641-01 [WS-AOC-07-SO-13-1R]	B186874	500	5.00	09/22/17
17I0641-02 [WS-AOC-07-SO-14-2R]	B186874	500	5.00	09/22/17

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

Sample Extraction Data

Prep Method: SW-846 3510C-SW-846 8082A **Leachates were extracted on 9/20/2017 per SW-846 1312 in Batch B186630**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
17I0641-03 [WS-AOC-07-SO-14-3R]	B186874	500	5.00	09/22/17
17I0641-04 [WS-AOC-07-SO-15-1R]	B186874	500	5.00	09/22/17
17I0641-06 [WS-AOC-8-SO-4-1R]	B186874	500	5.00	09/22/17
17I0641-07 [WS-AOC-8-SO-4-2R]	B186874	500	5.00	09/22/17
17I0641-08 [WS-AOC-8-SO-4-3R]	B186874	500	5.00	09/22/17
17I0641-09 [WS-AOC-9-SO-4-1R]	B186874	500	5.00	09/22/17
17I0641-10 [WS-AOC-9-SO-7-2R]	B186874	500	5.00	09/22/17
17I0641-11 [WS-AOC-9-SO-9-1R]	B186874	500	5.00	09/22/17
17I0641-12 [WS-AOC-9-SO-10-1R]	B186874	500	5.00	09/22/17
17I0641-13 [WS-AOC-9-SO-16-2R]	B186874	500	5.00	09/22/17
17I0641-14 [WS-AOC-9-SO-21-1R]	B186874	500	5.00	09/22/17
17I0641-15 [WS-AOC-9-SO-23-4R]	B186874	500	5.00	09/22/17
17I0641-16 [WS-AOC-9-SO-27-1R]	B186874	500	5.00	09/22/17
17I0641-17 [WS-AOC-9-SO-31-1R]	B186874	500	5.00	09/22/17

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17I0641-05 [WS-AOC-8-SO-2-1R]	B186760	30.1	1.00	09/21/17
17I0641-05RE1 [WS-AOC-8-SO-2-1R]	B186760	30.1	1.00	09/21/17
17I0641-05RE2 [WS-AOC-8-SO-2-1R]	B186760	30.1	1.00	09/21/17
17I0641-18 [WS-AOC-9-SO-32-3R]	B186760	30.0	1.00	09/21/17
17I0641-18RE1 [WS-AOC-9-SO-32-3R]	B186760	30.0	1.00	09/21/17
17I0641-19 [WS-AOC-9-SO-35-3R]	B186760	30.0	1.00	09/21/17
17I0641-19RE1 [WS-AOC-9-SO-35-3R]	B186760	30.0	1.00	09/21/17
17I0641-20 [WS-AOC-9-SO-37-3R]	B186760	30.1	1.00	09/21/17
17I0641-20RE1 [WS-AOC-9-SO-37-3R]	B186760	30.1	1.00	09/21/17

Prep Method: SW-846 3510C-SW-846 8270D **Leachates were extracted on 9/20/2017 per SW-846 1312 in Batch B186630**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
17I0641-05 [WS-AOC-8-SO-2-1R]	B186799	1000	1.00	09/21/17
17I0641-05RE1 [WS-AOC-8-SO-2-1R]	B186799	1000	1.00	09/21/17
17I0641-18 [WS-AOC-9-SO-32-3R]	B186799	920	0.900	09/21/17
17I0641-18RE1 [WS-AOC-9-SO-32-3R]	B186799	920	0.900	09/21/17
17I0641-19 [WS-AOC-9-SO-35-3R]	B186799	1000	1.00	09/21/17
17I0641-20 [WS-AOC-9-SO-37-3R]	B186799	1000	1.00	09/21/17

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

QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B186760 - SW-846 3546										
Blank (B186760-BLK1)				Prepared: 09/21/17 Analyzed: 09/22/17						
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	*1.91*		mg/Kg wet	3.33		57.4	30-130			
Surrogate: 2-Fluorobiphenyl	*2.13*		mg/Kg wet	3.33		63.8	30-130			
Surrogate: p-Terphenyl-d14	*2.71*		mg/Kg wet	3.33		81.4	30-130			
LCS (B186760-BS1)				Prepared: 09/21/17 Analyzed: 09/22/17						
Acenaphthene	0.883	0.17	mg/Kg wet	1.67		53.0	40-140			
Acenaphthylene	0.902	0.17	mg/Kg wet	1.67		54.1	40-140			
Anthracene	0.988	0.17	mg/Kg wet	1.67		59.3	40-140			
Benzo(a)anthracene	1.06	0.17	mg/Kg wet	1.67		63.4	40-140			
Benzo(a)pyrene	1.02	0.17	mg/Kg wet	1.67		61.3	40-140			
Benzo(b)fluoranthene	0.984	0.17	mg/Kg wet	1.67		59.0	40-140			
Benzo(g,h,i)perylene	1.08	0.17	mg/Kg wet	1.67		65.0	40-140			
Benzo(k)fluoranthene	1.01	0.17	mg/Kg wet	1.67		60.4	40-140			
Chrysene	0.992	0.17	mg/Kg wet	1.67		59.5	40-140			
Dibenz(a,h)anthracene	1.06	0.17	mg/Kg wet	1.67		63.7	40-140			
Fluoranthene	1.05	0.17	mg/Kg wet	1.67		62.8	40-140			
Fluorene	1.01	0.17	mg/Kg wet	1.67		60.4	40-140			
Indeno(1,2,3-cd)pyrene	1.13	0.17	mg/Kg wet	1.67		67.6	40-140			
2-Methylnaphthalene	1.02	0.17	mg/Kg wet	1.67		61.5	40-140			
Naphthalene	0.912	0.17	mg/Kg wet	1.67		54.7	40-140			
Phenanthrene	1.00	0.17	mg/Kg wet	1.67		60.2	40-140			
Pyrene	1.05	0.17	mg/Kg wet	1.67		62.8	40-140			
Surrogate: Nitrobenzene-d5	*2.07*		mg/Kg wet	3.33		62.2	30-130			
Surrogate: 2-Fluorobiphenyl	*2.40*		mg/Kg wet	3.33		72.0	30-130			
Surrogate: p-Terphenyl-d14	*2.73*		mg/Kg wet	3.33		81.9	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 B186760 - SW-846 3546											
LCS Dup (B186760-BSD1)				Prepared: 09/21/17 Analyzed: 09/22/17							
Acenaphthene	0.961	0.17	mg/Kg wet	1.67		57.7		40-140	8.53	30	
Acenaphthylene	0.966	0.17	mg/Kg wet	1.67		58.0		40-140	6.89	30	
Anthracene	1.08	0.17	mg/Kg wet	1.67		64.9		40-140	9.11	30	
Benzo(a)anthracene	1.13	0.17	mg/Kg wet	1.67		68.1		40-140	7.03	30	
Benzo(a)pyrene	1.08	0.17	mg/Kg wet	1.67		65.0		40-140	5.89	30	
Benzo(b)fluoranthene	1.08	0.17	mg/Kg wet	1.67		64.7		40-140	9.12	30	
Benzo(g,h,i)perylene	1.17	0.17	mg/Kg wet	1.67		70.2		40-140	7.72	30	
Benzo(k)fluoranthene	1.07	0.17	mg/Kg wet	1.67		64.4		40-140	6.44	30	
Chrysene	1.08	0.17	mg/Kg wet	1.67		64.8		40-140	8.50	30	
Dibenz(a,h)anthracene	1.17	0.17	mg/Kg wet	1.67		70.4		40-140	9.87	30	
Fluoranthene	1.13	0.17	mg/Kg wet	1.67		68.0		40-140	7.89	30	
Fluorene	1.09	0.17	mg/Kg wet	1.67		65.2		40-140	7.65	30	
Indeno(1,2,3-cd)pyrene	1.19	0.17	mg/Kg wet	1.67		71.5		40-140	5.67	30	
2-Methylnaphthalene	1.12	0.17	mg/Kg wet	1.67		67.0		40-140	8.68	30	
Naphthalene	0.987	0.17	mg/Kg wet	1.67		59.2		40-140	7.90	30	
Phenanthrene	1.10	0.17	mg/Kg wet	1.67		65.9		40-140	9.00	30	
Pyrene	1.13	0.17	mg/Kg wet	1.67		67.9		40-140	7.81	30	
Surrogate: Nitrobenzene-d5	*2.24*		mg/Kg wet	3.33		67.3		30-130			
Surrogate: 2-Fluorobiphenyl	*2.60*		mg/Kg wet	3.33		77.9		30-130			
Surrogate: p-Terphenyl-d14	*2.95*		mg/Kg wet	3.33		88.5		30-130			
Matrix Spike (B186760-MS1)	**Source: 17I0641-20**			Prepared: 09/21/17 Analyzed: 09/22/17							
Acenaphthene	4.62	0.21	mg/Kg dry	2.05	4.62	**0.140**	*	40-140			MS-09
Acenaphthylene	1.54	0.21	mg/Kg dry	2.05	0.611	45.1		40-140			
Anthracene	6.26	0.21	mg/Kg dry	2.05	6.72	**-22.4**	*	40-140			MS-09
Benzo(a)anthracene	7.36	0.21	mg/Kg dry	2.05	8.33	**-47.6**	*	40-140			MS-09
Benzo(a)pyrene	6.66	0.21	mg/Kg dry	2.05	7.99	**-64.8**	*	40-140			MS-09
Benzo(b)fluoranthene	6.57	0.21	mg/Kg dry	2.05	8.08	**-73.6**	*	40-140			MS-09
Benzo(g,h,i)perylene	5.12	0.21	mg/Kg dry	2.05	4.40	**35.2**	*	40-140			MS-22
Benzo(k)fluoranthene	3.26	0.21	mg/Kg dry	2.05	3.00	**12.9**	*	40-140			MS-09
Chrysene	6.64	0.21	mg/Kg dry	2.05	7.71	**-52.3**	*	40-140			MS-09
Dibenz(a,h)anthracene	1.93	0.21	mg/Kg dry	2.05	1.07	41.9		40-140			
Fluoranthene	20.8	0.21	mg/Kg dry	2.05	25.3	**-217**	*	40-140			MS-09
Fluorene	4.28	0.21	mg/Kg dry	2.05	4.07	**10.1**	*	40-140			MS-09
Indeno(1,2,3-cd)pyrene	5.14	0.21	mg/Kg dry	2.05	4.49	**31.7**	*	40-140			MS-22
2-Methylnaphthalene	3.31	0.21	mg/Kg dry	2.05	2.33	48.0		40-140			
Naphthalene	7.53	0.21	mg/Kg dry	2.05	6.95	**28.1**	*	40-140			MS-09
Phenanthrene	18.8	0.21	mg/Kg dry	2.05	21.8	**-146**	*	40-140			MS-09
Pyrene	19.5	0.21	mg/Kg dry	2.05	24.8	**-257**	*	40-140			MS-09
Surrogate: Nitrobenzene-d5	*2.52*		mg/Kg dry	4.10		61.5		30-130			
Surrogate: 2-Fluorobiphenyl	*2.90*		mg/Kg dry	4.10		70.7		30-130			
Surrogate: p-Terphenyl-d14	*3.41*		mg/Kg dry	4.10		83.1		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 B186760 - SW-846 3546											
Matrix Spike Dup (B186760-MSD1)		**Source: 17I0641-20**		Prepared: 09/21/17 Analyzed: 09/22/17							
Acenaphthene	4.32	0.21	mg/Kg dry	2.05	4.62	**-14.8**	*	40-140	6.87	30	MS-09
Acenaphthylene	1.32	0.21	mg/Kg dry	2.05	0.611	**34.8**	*	40-140	14.8	30	MS-22
Anthracene	6.25	0.21	mg/Kg dry	2.05	6.72	**-22.9**	*	40-140	0.177	30	MS-09
Benzo(a)anthracene	8.19	0.21	mg/Kg dry	2.05	8.33	**-7.02**	*	40-140	10.7	30	MS-09
Benzo(a)pyrene	7.60	0.21	mg/Kg dry	2.05	7.99	**-18.8**	*	40-140	13.3	30	MS-09
Benzo(b)fluoranthene	7.39	0.21	mg/Kg dry	2.05	8.08	**-33.4**	*	40-140	11.8	30	MS-09
Benzo(g,h,i)perylene	5.59	0.21	mg/Kg dry	2.05	4.40	58.0		40-140	8.72	30	
Benzo(k)fluoranthene	3.58	0.21	mg/Kg dry	2.05	3.00	**28.5**	*	40-140	9.32	30	MS-09
Chrysene	7.41	0.21	mg/Kg dry	2.05	7.71	**-14.7**	*	40-140	11.0	30	MS-09
Dibenz(a,h)anthracene	1.85	0.21	mg/Kg dry	2.05	1.07	**38.1**	*	40-140	4.03	30	MS-22
Fluoranthene	23.1	0.21	mg/Kg dry	2.05	25.3	**-107**	*	40-140	10.2	30	MS-09
Fluorene	4.02	0.21	mg/Kg dry	2.05	4.07	**-2.60**	*	40-140	6.29	30	MS-09
Indeno(1,2,3-cd)pyrene	5.58	0.21	mg/Kg dry	2.05	4.49	53.1		40-140	8.18	30	
2-Methylnaphthalene	2.95	0.21	mg/Kg dry	2.05	2.33	**30.1**	*	40-140	11.7	30	MS-22
Naphthalene	6.59	0.21	mg/Kg dry	2.05	6.95	**-17.8**	*	40-140	13.3	30	MS-09
Phenanthrene	19.4	0.21	mg/Kg dry	2.05	21.8	**-116**	*	40-140	3.18	30	MS-09
Pyrene	21.9	0.21	mg/Kg dry	2.05	24.8	**-141**	*	40-140	11.5	30	MS-09
Surrogate: Nitrobenzene-d5	*2.25*		mg/Kg dry	4.10		55.0		30-130			
Surrogate: 2-Fluorobiphenyl	*2.47*		mg/Kg dry	4.10		60.2		30-130			
Surrogate: p-Terphenyl-d14	*2.93*		mg/Kg dry	4.10		71.4		30-130			

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QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes
Batch B186779 - SW-846 3540C											
Blank (B186779-BLK1)				Prepared: 09/21/17 Analyzed: 09/29/17							
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	*0.241*		mg/Kg wet	0.200		120		30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.196*		mg/Kg wet	0.200		97.9		30-150			
Surrogate: Tetrachloro-m-xylene	*0.206*		mg/Kg wet	0.200		103		30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.148*		mg/Kg wet	0.200		73.8		30-150			
LCS (B186779-BS1)				Prepared: 09/21/17 Analyzed: 09/29/17							
Aroclor-1016	0.17	0.020	mg/Kg wet	0.200		86.6		40-140			
Aroclor-1016 [2C]	0.16	0.020	mg/Kg wet	0.200		79.6		40-140			
Aroclor-1260	0.17	0.020	mg/Kg wet	0.200		85.6		40-140			
Aroclor-1260 [2C]	0.17	0.020	mg/Kg wet	0.200		85.8		40-140			
Surrogate: Decachlorobiphenyl	*0.238*		mg/Kg wet	0.200		119		30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.196*		mg/Kg wet	0.200		98.2		30-150			
Surrogate: Tetrachloro-m-xylene	*0.203*		mg/Kg wet	0.200		101		30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.146*		mg/Kg wet	0.200		73.0		30-150			
Matrix Spike (B186779-MS1)		**Source: 17I0641-01**		Prepared: 09/21/17 Analyzed: 09/29/17							
Aroclor-1016	0.22	0.082	mg/Kg dry	0.204	ND	106		40-140			
Aroclor-1016 [2C]	0.21	0.082	mg/Kg dry	0.204	ND	101		40-140			
Aroclor-1260	25	0.082	mg/Kg dry	0.204	38	**-6590**	*	40-140			MS-19
Aroclor-1260 [2C]	14	0.082	mg/Kg dry	0.204	42	**-13500**	*	40-140			MS-19
Surrogate: Decachlorobiphenyl	*0.155*		mg/Kg dry	0.204		76.2		30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.179*		mg/Kg dry	0.204		87.7		30-150			
Surrogate: Tetrachloro-m-xylene	*0.195*		mg/Kg dry	0.204		95.6		30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.189*		mg/Kg dry	0.204		92.8		30-150			

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QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes
Batch B186779 - SW-846 3540C											
Matrix Spike Dup (B186779-MSD1)		**Source: 17I0641-01**		Prepared: 09/21/17 Analyzed: 09/29/17							
Aroclor-1016	0.24	0.082	mg/Kg dry	0.206	ND	116		40-140		50	
Aroclor-1016 [2C]	0.23	0.082	mg/Kg dry	0.206	ND	109		40-140		50	
Aroclor-1260	26	0.082	mg/Kg dry	0.206	38	**-6060**	*	40-140	3.70	50	MS-19
Aroclor-1260 [2C]	15	0.082	mg/Kg dry	0.206	42	**-13000**	*	40-140	5.37	50	MS-19
Surrogate: Decachlorobiphenyl	*0.161*		mg/Kg dry	0.206		78.1		30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.175*		mg/Kg dry	0.206		85.2		30-150			
Surrogate: Tetrachloro-m-xylene	*0.202*		mg/Kg dry	0.206		98.2		30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.202*		mg/Kg dry	0.206		98.1		30-150			
Batch B187427 - SW-846 3540C											
Blank (B187427-BLK1)				Prepared: 09/29/17 Analyzed: 10/02/17							
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	*0.146*		mg/Kg wet	0.200		73.1		30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.131*		mg/Kg wet	0.200		65.6		30-150			
Surrogate: Tetrachloro-m-xylene	*0.145*		mg/Kg wet	0.200		72.3		30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.138*		mg/Kg wet	0.200		69.0		30-150			
LCS (B187427-BS1)				Prepared: 09/29/17 Analyzed: 10/02/17							
Aroclor-1016	0.18	0.020	mg/Kg wet	0.200		88.6		40-140			
Aroclor-1016 [2C]	0.17	0.020	mg/Kg wet	0.200		83.7		40-140			
Aroclor-1260	0.17	0.020	mg/Kg wet	0.200		85.8		40-140			
Aroclor-1260 [2C]	0.15	0.020	mg/Kg wet	0.200		75.5		40-140			
Surrogate: Decachlorobiphenyl	*0.194*		mg/Kg wet	0.200		96.8		30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.171*		mg/Kg wet	0.200		85.3		30-150			
Surrogate: Tetrachloro-m-xylene	*0.179*		mg/Kg wet	0.200		89.5		30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.166*		mg/Kg wet	0.200		82.8		30-150			

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QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B187427 - SW-846 3540C										
LCS Dup (B187427-BSD1)				Prepared: 09/29/17 Analyzed: 10/02/17						
Aroclor-1016	0.15	0.020	mg/Kg wet	0.200		76.8	40-140	14.3	30	
Aroclor-1016 [2C]	0.15	0.020	mg/Kg wet	0.200		73.1	40-140	13.6	30	
Aroclor-1260	0.14	0.020	mg/Kg wet	0.200		71.9	40-140	17.7	30	
Aroclor-1260 [2C]	0.13	0.020	mg/Kg wet	0.200		64.0	40-140	16.5	30	
Surrogate: Decachlorobiphenyl	*0.159*		mg/Kg wet	0.200		79.6	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.143*		mg/Kg wet	0.200		71.4	30-150			
Surrogate: Tetrachloro-m-xylene	*0.160*		mg/Kg wet	0.200		80.0	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.151*		mg/Kg wet	0.200		75.6	30-150			

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QUALITY CONTROL

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B186579 - % Solids										
Duplicate (B186579-DUP1)		**Source: 17I0641-20**		Prepared & Analyzed: 09/19/17						
% Solids	83.6		% Wt		81.0			3.16	20	

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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
Batch B186799 - SW-846 3510C										
Blank (B186799-BLK1)				Prepared: 09/21/17 Analyzed: 09/24/17						
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)	0.14	0.050	µg/L							B
Pyrene (SIM)	ND	1.0	µg/L							
Surrogate: Nitrobenzene-d5	*73.6*		µg/L	100		73.6	30-130			
Surrogate: 2-Fluorobiphenyl	*77.0*		µg/L	100		77.0	30-130			
Surrogate: p-Terphenyl-d14	*75.6*		µg/L	100		75.6	30-130			
LCS (B186799-BS1)				Prepared: 09/21/17 Analyzed: 09/22/17						
Acenaphthene (SIM)	37.9	7.5	µg/L	50.0		75.8	40-140			
Acenaphthylene (SIM)	37.0	7.5	µg/L	50.0		73.9	40-140			
Anthracene (SIM)	40.3	5.0	µg/L	50.0		80.6	40-140			
Benzo(a)anthracene (SIM)	40.9	1.2	µg/L	50.0		81.8	40-140			
Benzo(a)pyrene (SIM)	42.5	2.5	µg/L	50.0		85.0	40-140			
Benzo(b)fluoranthene (SIM)	43.5	1.2	µg/L	50.0		87.0	40-140			
Benzo(g,h,i)perylene (SIM)	39.4	12	µg/L	50.0		78.7	40-140			
Benzo(k)fluoranthene (SIM)	42.4	5.0	µg/L	50.0		84.8	40-140			
Chrysene (SIM)	41.1	5.0	µg/L	50.0		82.2	40-140			
Dibenz(a,h)anthracene (SIM)	40.7	5.0	µg/L	50.0		81.4	40-140			
Fluoranthene (SIM)	39.3	12	µg/L	50.0		78.6	40-140			
Fluorene (SIM)	38.7	25	µg/L	50.0		77.4	40-140			
Indeno(1,2,3-cd)pyrene (SIM)	39.9	5.0	µg/L	50.0		79.8	40-140			
2-Methylnaphthalene (SIM)	35.9	25	µg/L	50.0		71.8	40-140			
Naphthalene (SIM)	35.2	25	µg/L	50.0		70.4	40-140			
Phenanthrene (SIM)	39.3	1.2	µg/L	50.0		78.6	40-140			B
Pyrene (SIM)	41.6	25	µg/L	50.0		83.2	40-140			
Surrogate: Nitrobenzene-d5	*79.7*		µg/L	100		79.7	30-130			
Surrogate: 2-Fluorobiphenyl	*86.6*		µg/L	100		86.6	30-130			
Surrogate: p-Terphenyl-d14	*72.9*		µg/L	100		72.9	30-130			

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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	
Batch B186799 - SW-846 3510C											
LCS Dup (B186799-BSD1)				Prepared: 09/21/17 Analyzed: 09/22/17							
Acenaphthene (SIM)	37.2	7.5	µg/L	50.0		74.4	40-140	1.86	20		
Acenaphthylene (SIM)	36.2	7.5	µg/L	50.0		72.4	40-140	2.05	20		
Anthracene (SIM)	39.7	5.0	µg/L	50.0		79.4	40-140	1.56	20		
Benzo(a)anthracene (SIM)	39.6	1.2	µg/L	50.0		79.3	40-140	3.10	20		
Benzo(a)pyrene (SIM)	41.3	2.5	µg/L	50.0		82.6	40-140	2.80	20		
Benzo(b)fluoranthene (SIM)	42.6	1.2	µg/L	50.0		85.2	40-140	2.15	20		
Benzo(g,h,i)perylene (SIM)	38.3	12	µg/L	50.0		76.6	40-140	2.64	20		
Benzo(k)fluoranthene (SIM)	41.3	5.0	µg/L	50.0		82.6	40-140	2.63	20		
Chrysene (SIM)	40.0	5.0	µg/L	50.0		80.0	40-140	2.77	20		
Dibenz(a,h)anthracene (SIM)	39.1	5.0	µg/L	50.0		78.2	40-140	4.01	20		
Fluoranthene (SIM)	38.7	12	µg/L	50.0		77.4	40-140	1.60	20		
Fluorene (SIM)	37.7	25	µg/L	50.0		75.4	40-140	2.75	20		
Indeno(1,2,3-cd)pyrene (SIM)	38.6	5.0	µg/L	50.0		77.2	40-140	3.38	20		‡
2-Methylnaphthalene (SIM)	35.2	25	µg/L	50.0		70.3	40-140	2.18	20		
Naphthalene (SIM)	35.6	25	µg/L	50.0		71.2	40-140	1.27	20		
Phenanthrene (SIM)	38.3	1.2	µg/L	50.0		76.6	40-140	2.58	20	B	
Pyrene (SIM)	39.6	25	µg/L	50.0		79.2	40-140	4.92	20		
Surrogate: Nitrobenzene-d5	*82.5*		µg/L	100		82.5	30-130				
Surrogate: 2-Fluorobiphenyl	*90.8*		µg/L	100		90.8	30-130				
Surrogate: p-Terphenyl-d14	*68.7*		µg/L	100		68.7	30-130				
Matrix Spike (B186799-MS1)	**Source: 17I0641-05**			Prepared: 09/21/17 Analyzed: 09/24/17							
Acenaphthene (SIM)	49.3	7.5	µg/L	50.0	7.54	83.5	40-140				
Acenaphthylene (SIM)	41.2	7.5	µg/L	50.0	0.605	81.1	40-140				
Anthracene (SIM)	45.6	5.0	µg/L	50.0	2.83	85.6	40-140				
Benzo(a)anthracene (SIM)	51.8	1.2	µg/L	50.0	6.31	91.0	40-140				
Benzo(a)pyrene (SIM)	51.6	2.5	µg/L	50.0	5.02	93.2	40-140				
Benzo(b)fluoranthene (SIM)	53.2	1.2	µg/L	50.0	7.11	92.1	40-140				
Benzo(g,h,i)perylene (SIM)	49.2	12	µg/L	50.0	3.06	92.3	40-140				
Benzo(k)fluoranthene (SIM)	47.1	5.0	µg/L	50.0	2.41	89.3	40-140				
Chrysene (SIM)	52.2	5.0	µg/L	50.0	6.63	91.0	40-140				
Dibenz(a,h)anthracene (SIM)	42.3	5.0	µg/L	50.0	0.870	82.8	40-140				
Fluoranthene (SIM)	63.4	12	µg/L	50.0	15.7	95.4	40-140				
Fluorene (SIM)	45.0	25	µg/L	50.0	3.41	83.3	40-140				
Indeno(1,2,3-cd)pyrene (SIM)	48.6	5.0	µg/L	50.0	3.23	90.6	40-140				
2-Methylnaphthalene (SIM)	39.8	25	µg/L	50.0	0.697	78.1	40-140				
Naphthalene (SIM)	42.2	25	µg/L	50.0	3.40	77.5	40-140				
Phenanthrene (SIM)	59.4	1.2	µg/L	50.0	15.4	87.9	40-140			B	
Pyrene (SIM)	60.4	25	µg/L	50.0	12.7	95.5	40-140				
Surrogate: Nitrobenzene-d5	*87.0*		µg/L	100		87.0	30-130				
Surrogate: 2-Fluorobiphenyl	*90.2*		µg/L	100		90.2	30-130				
Surrogate: p-Terphenyl-d14	*77.2*		µg/L	100		77.2	30-130				

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QUALITY CONTROL

SPLP - Polychlorinated Biphenyls By GC/ECD - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B186874 - SW-846 3510C										
Blank (B186874-BLK1)				Prepared: 09/22/17 Analyzed: 09/28/17						
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	*1.58*		µg/L	2.00		79.2	30-150			
Surrogate: Decachlorobiphenyl [2C]	*1.52*		µg/L	2.00		75.9	30-150			
Surrogate: Tetrachloro-m-xylene	*1.71*		µg/L	2.00		85.4	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.71*		µg/L	2.00		85.3	30-150			
LCS (B186874-BS1)				Prepared: 09/22/17 Analyzed: 09/28/17						
Aroclor-1016	0.54	0.20	µg/L	0.500		107	40-140			
Aroclor-1016 [2C]	0.62	0.20	µg/L	0.500		123	40-140			
Aroclor-1260	0.45	0.20	µg/L	0.500		90.9	40-140			
Aroclor-1260 [2C]	0.44	0.20	µg/L	0.500		87.9	40-140			
Surrogate: Decachlorobiphenyl	*1.39*		µg/L	2.00		69.6	30-150			
Surrogate: Decachlorobiphenyl [2C]	*1.34*		µg/L	2.00		67.2	30-150			
Surrogate: Tetrachloro-m-xylene	*1.75*		µg/L	2.00		87.7	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.75*		µg/L	2.00		87.4	30-150			
LCS Dup (B186874-BSD1)				Prepared: 09/22/17 Analyzed: 09/28/17						
Aroclor-1016	0.49	0.20	µg/L	0.500		98.4	40-140	8.44	20	
Aroclor-1016 [2C]	0.54	0.20	µg/L	0.500		107	40-140	14.1	20	
Aroclor-1260	0.47	0.20	µg/L	0.500		93.6	40-140	3.03	20	
Aroclor-1260 [2C]	0.46	0.20	µg/L	0.500		92.1	40-140	4.68	20	
Surrogate: Decachlorobiphenyl	*1.60*		µg/L	2.00		79.8	30-150			
Surrogate: Decachlorobiphenyl [2C]	*1.50*		µg/L	2.00		75.2	30-150			
Surrogate: Tetrachloro-m-xylene	*1.72*		µg/L	2.00		86.2	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.70*		µg/L	2.00		85.2	30-150			

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QUALITY CONTROL

SPLP - Polychlorinated Biphenyls By GC/ECD - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes
Batch B186874 - SW-846 3510C											
Matrix Spike (B186874-MS1)		**Source: 17I0641-01**		Prepared: 09/22/17 Analyzed: 09/28/17							
Aroclor-1016	0.51	0.20	µg/L	0.500	ND	101		40-140			
Aroclor-1016 [2C]	0.48	0.20	µg/L	0.500	ND	95.2		40-140			
Aroclor-1260	8.4	0.20	µg/L	0.500	11	**-613**	*	40-140			MS-19
Aroclor-1260 [2C]	6.8	0.20	µg/L	0.500	9.7	**-592**	*	40-140			MS-19
Surrogate: Decachlorobiphenyl	*1.06*		µg/L	2.00		53.2		30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.962*		µg/L	2.00		48.1		30-150			
Surrogate: Tetrachloro-m-xylene	*1.67*		µg/L	2.00		83.5		30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.54*		µg/L	2.00		77.0		30-150			

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC-07-SO-13-1R

Lab Sample ID: 17I0641-01

Date(s) Analyzed: 09/29/2017 09/29/2017

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	38	
	1	0.000	0.000	0.000	11	
	2	0.000	0.000	0.000	9.7	21.2
	2	0.000	-0.030	0.030	42	10.0

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC-07-SO-14-2R

Lab Sample ID: 17I0641-02

Date(s) Analyzed: 09/29/2017 09/29/2017

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	1.8	
	1	0.000	0.000	0.000	0.79	
	2	0.000	-0.030	0.030	1.7	5.7
	2	0.000	0.000	0.000	0.72	10.5

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

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC-07-SO-14-3R

Lab Sample ID: 17I0641-03

Date(s) Analyzed: 09/29/2017 09/29/2017

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	8.1	
	1	0.000	0.000	0.000	1.7	
	2	0.000	-0.030	0.030	8.3	2.4
	2	0.000	0.000	0.000	1.6	6.1

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC-07-SO-15-1R

Lab Sample ID: 17I0641-04

Date(s) Analyzed: 09/29/2017 09/29/2017

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	5.7	
	2	0.000	-0.030	0.030	5.5	3.6
Aroclor-1260	1	0.000	0.000	0.000	0.73	
	2	0.000	0.000	0.000	0.72	1.4

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC-8-SO-4-1R

Lab Sample ID: 17I0641-06

Date(s) Analyzed: 09/29/2017 09/29/2017

Instrument ID (1):

Instrument ID (2):

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	-0.030	0.030	2.7	
	1	0.000	0.000	0.000	1.4	
	2	0.000	0.000	0.000	1.3	7.4
	2	0.000	-0.030	0.030	2.9	7.1

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC-8-SO-4-2R

Lab Sample ID: 17I0641-07

Date(s) Analyzed: 09/29/2017 09/29/2017

Instrument ID (1):

Instrument ID (2):

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	-0.030	0.030	3.9	
	1	0.000	0.000	0.000	1.4	
	2	0.000	-0.030	0.030	4.1	5.0
	2	0.000	0.000	0.000	1.3	7.4

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

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC-8-SO-4-3R

Lab Sample ID: 17I0641-08

Date(s) Analyzed: 09/29/2017 09/29/2017

Instrument ID (1):

Instrument ID (2):

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	-0.030	0.030	5.4	
	1	0.000	0.000	0.000	2.1	
	2	0.000	0.000	0.000	1.9	10.0
	2	0.000	-0.030	0.030	5.7	5.4

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

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC-8-SO-4-3R

Lab Sample ID: 17I0641-08RE1

Date(s) Analyzed: 10/02/2017 10/02/2017

Instrument ID (1):

Instrument ID (2):

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	-0.030	0.030	5.3	
	2	0.000	-0.030	0.030	5.0	5.8

con-test® ANALYTICAL LABORATORY

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

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC-9-SO-4-1R

Lab Sample ID: 17I0641-09

Date(s) Analyzed: 09/29/2017 09/29/2017

Instrument ID (1):

Instrument ID (2):

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	-0.030	0.030	5.8	
	2	0.000	-0.030	0.030	5.8	0.0

con-test® ANALYTICAL LABORATORY

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

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC-9-SO-7-2R

Lab Sample ID: 17I0641-10

Date(s) Analyzed: 09/29/2017 09/29/2017

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	1.6	
	2	0.000	-0.030	0.030	1.6	0.0

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

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC-9-SO-9-1R

Lab Sample ID: 17I0641-11

Date(s) Analyzed: 09/28/2017 09/28/2017

Instrument ID (1):

Instrument ID (2):

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	0.000	0.000	0.68	
	1	0.000	-0.030	0.030	11	
	2	0.000	0.000	0.000	0.58	15.9
	2	0.000	-0.030	0.030	11	0.0

con-test® ANALYTICAL LABORATORY

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC-9-SO-10-1R

Lab Sample ID: 17I0641-12

Date(s) Analyzed: 09/28/2017 09/28/2017

Instrument ID (1):

Instrument ID (2):

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	0.000	0.000	0.23	
	1	0.000	-0.030	0.030	0.88	
	2	0.000	-0.030	0.030	0.83	5.9
	2	0.000	0.000	0.000	0.21	9.1

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC-9-SO-16-2R

Lab Sample ID: 17I0641-13

Date(s) Analyzed: 09/29/2017 09/29/2017

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	33	
	1	0.000	0.000	0.000	2.0	
	2	0.000	-0.030	0.030	34	3.0
	2	0.000	0.000	0.000	1.7	16.2

con-test® ANALYTICAL LABORATORY

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC-9-SO-21-1R

Lab Sample ID: 17I0641-14

Date(s) Analyzed: 09/28/2017 09/28/2017

Instrument ID (1):

Instrument ID (2):

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	0.000	0.000	0.73	
	1	0.000	-0.030	0.030	8.2	
	2	0.000	-0.030	0.030	8.3	0.0
	2	0.000	0.000	0.000	0.71	2.8

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC-9-SO-23-4R

Lab Sample ID: 17I0641-15

Date(s) Analyzed: 09/28/2017 09/28/2017

Instrument ID (1):

Instrument ID (2):

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	0.000	0.000	0.82	
	1	0.000	-0.030	0.030	5.2	
	2	0.000	0.000	0.000	0.73	11.6
	2	0.000	-0.030	0.030	5.3	1.9

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC-9-SO-27-1R

Lab Sample ID: 17I0641-16

Date(s) Analyzed: 09/29/2017 09/29/2017

Instrument ID (1):

Instrument ID (2):

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	0.000	0.000	4.2	
	1	0.000	-0.030	0.030	14	
	2	0.000	-0.030	0.030	14	0.0
	2	0.000	0.000	0.000	3.5	18.2

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC-9-SO-31-1R

Lab Sample ID: 17I0641-17

Date(s) Analyzed: 09/29/2017 09/29/2017

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	15	
	1	0.000	0.000	0.000	0.69	
	2	0.000	0.000	0.000	0.60	15.4
	2	0.000	-0.030	0.030	15	0.0

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit
DL	Method Detection Limit
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
B	Analyte is found in the associated blank as well as in the sample.
B-07	Data is not affected by elevated level in blank since sample result is >10x level found in the blank.
E	Reported result is estimated. Value reported over verified calibration range.
H-06	Sample was extracted past the recommended holding time.
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-19	Sample to spike ratio is greater than or equal to 4:1. Spiked amount is not representative of the native amount in the sample. Appropriate or meaningful recoveries cannot be calculated.
MS-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.
S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences.
S-10	Sample was re-extracted outside of holding time since surrogate standard recovery was outside of control limits. Data from analysis performed outside of holding time is also reported since surrogate recovery is acceptable.

con-test® ANALYTICAL LABORATORY

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

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8082A in Soil	
Aroclor-1016	CT,NH,NY,ME,NC,VA
Aroclor-1016 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1221	CT,NH,NY,ME,NC,VA
Aroclor-1221 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1232	CT,NH,NY,ME,NC,VA
Aroclor-1232 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1242	CT,NH,NY,ME,NC,VA
Aroclor-1242 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1248	CT,NH,NY,ME,NC,VA
Aroclor-1248 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1254	CT,NH,NY,ME,NC,VA
Aroclor-1254 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1260	CT,NH,NY,ME,NC,VA
Aroclor-1260 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1262	NY,NC,VA
Aroclor-1262 [2C]	NY,NC,VA
Aroclor-1268	NY,NC,VA
Aroclor-1268 [2C]	NY,NC,VA
SW-846 8270D in Soil	
Acenaphthene	CT,NY,NH,ME,NC,VA
Acenaphthylene	CT,NY,NH,ME,NC,VA
Anthracene	CT,NY,NH,ME,NC,VA
Benzo(a)anthracene	CT,NY,NH,ME,NC,VA
Benzo(a)pyrene	CT,NY,NH,ME,NC,VA
Benzo(b)fluoranthene	CT,NY,NH,ME,NC,VA
Benzo(g,h,i)perylene	CT,NY,NH,ME,NC,VA
Benzo(k)fluoranthene	CT,NY,NH,ME,NC,VA
Chrysene	CT,NY,NH,ME,NC,VA
Dibenz(a,h)anthracene	CT,NY,NH,ME,NC,VA
Fluoranthene	CT,NY,NH,ME,NC,VA
Fluorene	CT,NY,NH,ME,NC,VA
Indeno(1,2,3-cd)pyrene	CT,NY,NH,ME,NC,VA
2-Methylnaphthalene	CT,NY,NH,ME,NC,VA
Naphthalene	CT,NY,NH,ME,NC,VA
Phenanthrene	CT,NY,NH,ME,NC,VA
Pyrene	CT,NY,NH,ME,NC,VA

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

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

17I0641

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con-test ANALYTICAL LABORATORY

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

CHAIN OF CUSTODY RECORD

39 Spruce Street
East Longmeadow, MA 01028

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

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

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

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

ANALYSIS REQUESTED

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	[1]Matrix Code	Conc Code	PCBs	SPLP PCBs	PAHs	SPLP PAHs									# of Containers
								I		I										[2] Preservation Code
								A		A										[3] Container Code
1	WS-AOC-07-SO-13-1R	9/14/17	0825		X	S	C	X	X											
2	WS-AOC-07-SO-14-2R	9/14/17	0830					X	X											
3	WS-AOC-07-SO-14-3R	9/14/17	0832					X	X											
4	WS-AOC-07-SO-15-1R	9/14/17	0820					X	X											
5	WS-AOC-8-SO-2-1R	9/14/17	0912							X	X									
6	WS-AOC-8-SO-4-1R	9/14/17	0913					X	X											
7	WS-AOC-8-SO-4-2R	9/14/17	0914					X	X											
8	WS-AOC-8-SO-4-3R	9/14/17	0915					X	X											
9	WS-AOC-9-SO-4-1R	9/14/17	1010					X	X											
10	WS-AOC-9-SO-7-2R	9/14/17	1012					X	X											

Dissolved Metals Samples
○ Field Filtered
○ Lab to Filter

Orthophosphate Samples
○ Field Filtered
○ Lab to Filter

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

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

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

Comments:

~~Please hold excess volumes for possible SPLP analyses.~~

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

Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time: 1515 9/14/17
Relinquished by: (signature)	Date/Time: 9/14/17 1540
Received by: (signature)	Date/Time: 9-14-17 1540
Relinquished by: (signature)	Date/Time: 9-14-17 6:30
Received by: (signature)	Date/Time: 9/14/17 1830

Detection Limit Requirements
MA
CT RES DEC
Other:

Program Information

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

NELAC and AIHA-LAP, LLC Accredited

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

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CHAIN OF CUSTODY RECORD

39 Spruce Street
East Longmeadow, MA 01028

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

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Other: 5-day ☐

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1-Day ☐ 3-Day ☐
2-Day ☐ 4-Day ☐

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

ANALYSIS REQUESTED

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	[1]Matrix Code	Conc Code	PCB,	SPLP PCB,	PAHs	SPLP PAHs									# of Containers / [2] Preservation Code / [3] Container Code
								1		1										# of Containers
								I		I										[2] Preservation Code
								A		A										[3] Container Code
11	WS-AOC-9-SO-9-1R	9/14/17	1024		X	S	U	X	X											
12	WS-AOC-9-SO-10-1R	↓	1017		↓	↓	↓	X	X											
13	WS-AOC-9-SO-16-2R		1027					X	X											
14	WS-AOC-9-SO-21-1R		1032					X	X											
15	WS-AOC-9-SO-23-4R		0952					X	X											
16	WS-AOC-9-SO-27-1R		1002					X	X											
17	WS-AOC-9-SO-31-1R		1054					X	X											
18	WS-AOC-9-SO-32-3R		1106							X	X									
19	WS-AOC-9-SO-35-3R		1124							X	X									
20	WS-AOC-9-SO-37-3R	↓	1131		↓	↓	↓			X	X									

Dissolved Metals Samples
○ Field Filtered
○ Lab to Filter

Orthophosphate Samples
○ Field Filtered
○ Lab to Filter

[1] **Matrix Codes:**
GW = Ground Water
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A = Amber Glass
G = Glass
P = Plastic
ST = Sterile
V = Vial
S = Summa Canister
T = Tedlar Bag
O = Other (please define) _____

Comments:

~~Please hold excess volumes for possible SPLP analyses.~~
Please do MS/MSD for WS-AOC-9-SO-37-3R for only ~~PCB~~ PAH

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:
Received by: (signature)	Date/Time: 9/14/17 1515
Relinquished by: (signature)	Date/Time: 9/14/17 1540
Received by: (signature)	Date/Time: 9-14-17 1540
Relinquished by: (signature)	Date/Time: 9-14-17 6:32
Received by: (signature)	Date/Time: 9/14/17 1830

Detection Limit Requirements
MA
CT RES DEC
Other:

Program Information

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PWSID # _____

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F: 413-525-6405
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Doc# 277 Rev 5 2017

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

Client Weston & Sampson

Received By JM Date 9/14/17 Time 1830

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 - 2-2
By Blank # ____ Actual Temp - ____

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

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.	
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear	22
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear	
Bisulfate-		Col./Bacteria		Flashpoint		2oz Amb/Clear	
DI-		Other Plastic		Other Glass		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Unused Media

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

Comments:

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: 17I0641

Laboratory Sample ID(s):

17I0641-01 thru 17I0641-20

Sample Date(s):

09/14/2017

List RCP Methods Used:

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

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

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

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

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

Printed Name: **Lisa A. Worthington** **Date:** **10/02/17**

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

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

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

August 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: 17G1436

Enclosed are results of analyses for samples received by the laboratory on July 31, 2017. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

James M. Georgantas
Project Manager

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

REPORT DATE: 8/25/2017

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 2170495

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 17G1436

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-AOC9-SO-28-4B	17G1436-01	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 8270D	
WS-AOC8-SO-1-1	17G1436-02	Soil		SM 2540G	
				SW-846 8082A	
WS-AOC8-SO-1-2	17G1436-03	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 8082A	
				SW-846 8260C	
				SW-846 8270D	
WS-AOC8-SO-1-3	17G1436-04	Soil		SM 2540G	
				SW-846 8082A	
WS-AOC8-SO-2-1A	17G1436-05	Soil		SM 2540G	
				SW-846 8082A	
WS-AOC8-SO-2-1B	17G1436-06	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 8270D	
WS-AOC8-SO-2-2	17G1436-07	Soil		SM 2540G	
				SW-846 8082A	
WS-AOC8-SO-2-3	17G1436-08	Soil		SM 2540G	
				SW-846 8082A	
WS-AOC8-SO-3-1A	17G1436-09	Soil		SM 2540G	
				SW-846 8082A	
WS-AOC8-SO-3-1B	17G1436-10	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 8270D	
WS-AOC8-SO-3-2	17G1436-11	Soil		SM 2540G	
				SW-846 8082A	
WS-AOC8-SO-3-3	17G1436-12	Soil		SM 2540G	
				SW-846 8082A	
WS-AOC8-SO-4-1	17G1436-13	Soil		SM 2540G	
				SW-846 8082A	
WS-AOC8-SO-4-2	17G1436-14	Soil		SM 2540G	
				SW-846 8082A	
WS-AOC8-SO-4-3	17G1436-15	Soil		SM 2540G	
				SW-846 8082A	
WS-AOC8-SO-4-4	17G1436-16	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 8082A	
				SW-846 8270D	

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ATTN: Malcolm Beeler

REPORT DATE: 8/25/2017

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 2170495

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 17G1436

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-AOC8-SO-5-1	17G1436-17	Soil		SM 2540G	
				SW-846 8082A	
WS-AOC8-SO-5-2	17G1436-18	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 8082A	
				SW-846 8260C	
				SW-846 8270D	
WS-AOC8-SO-5-3	17G1436-19	Soil		SM 2540G	
				SW-846 8082A	
Trip Blank	17G1436-20	Trip Blank Soil		SW-846 8260C	

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CASE NARRATIVE SUMMARY

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

For method 8270, only PAHs were requested and reported.

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CTDEP ETPH

Qualifications:

L-07

Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD between the two LFB/LCS results is within method specified criteria.

Analyte & Samples(s) Qualified:

CT ETPH

B183455-BSD1

SW-846 8260C

Qualifications:

L-01

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

Analyte & Samples(s) Qualified:

trans-1,2-Dichloroethylene

B183153-BS1

L-03

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

Analyte & Samples(s) Qualified:

Dichlorodifluoromethane (Freon 1

17G1436-03[WS-AOC8-SO-1-2], 17G1436-18[WS-AOC8-SO-5-2], 17G1436-20[Trip Blank], B183153-BLK1, B183153-BS1

V-16

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

Analyte & Samples(s) Qualified:

Tetrahydrofuran

17G1436-03[WS-AOC8-SO-1-2], 17G1436-18[WS-AOC8-SO-5-2], 17G1436-20[Trip Blank], B183153-BLK1

SW-846 8270D

Qualifications:

E

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

Analyte & Samples(s) Qualified:

Benzo(a)anthracene

17G1436-06[WS-AOC8-SO-2-1B]

Benzo(a)pyrene

17G1436-06[WS-AOC8-SO-2-1B]

Benzo(b)fluoranthene

17G1436-06[WS-AOC8-SO-2-1B]

Chrysene

17G1436-06[WS-AOC8-SO-2-1B]

Fluoranthene

17G1436-06[WS-AOC8-SO-2-1B]

Phenanthrene

17G1436-06[WS-AOC8-SO-2-1B]

Pyrene

17G1436-06[WS-AOC8-SO-2-1B]

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

Lisa A. Worthington
Project Manager

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17G1436

Date Received: 7/31/2017

Field Sample #: WS-AOC9-SO-28-4B Sampled: 7/31/2017 11:38

Sample ID: 17G1436-01

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	0.31	mg/Kg dry	1		SW-846 8270D	8/8/17	8/9/17 13:31	BGL
Acenaphthylene	ND	0.31	mg/Kg dry	1		SW-846 8270D	8/8/17	8/9/17 13:31	BGL
Anthracene	ND	0.31	mg/Kg dry	1		SW-846 8270D	8/8/17	8/9/17 13:31	BGL
Benzo(a)anthracene	ND	0.31	mg/Kg dry	1		SW-846 8270D	8/8/17	8/9/17 13:31	BGL
Benzo(a)pyrene	ND	0.31	mg/Kg dry	1		SW-846 8270D	8/8/17	8/9/17 13:31	BGL
Benzo(b)fluoranthene	ND	0.31	mg/Kg dry	1		SW-846 8270D	8/8/17	8/9/17 13:31	BGL
Benzo(g,h,i)perylene	ND	0.31	mg/Kg dry	1		SW-846 8270D	8/8/17	8/9/17 13:31	BGL
Benzo(k)fluoranthene	ND	0.31	mg/Kg dry	1		SW-846 8270D	8/8/17	8/9/17 13:31	BGL
Chrysene	ND	0.31	mg/Kg dry	1		SW-846 8270D	8/8/17	8/9/17 13:31	BGL
Dibenz(a,h)anthracene	ND	0.31	mg/Kg dry	1		SW-846 8270D	8/8/17	8/9/17 13:31	BGL
Fluoranthene	ND	0.31	mg/Kg dry	1		SW-846 8270D	8/8/17	8/9/17 13:31	BGL
Fluorene	ND	0.31	mg/Kg dry	1		SW-846 8270D	8/8/17	8/9/17 13:31	BGL
Indeno(1,2,3-cd)pyrene	ND	0.31	mg/Kg dry	1		SW-846 8270D	8/8/17	8/9/17 13:31	BGL
2-Methylnaphthalene	ND	0.31	mg/Kg dry	1		SW-846 8270D	8/8/17	8/9/17 13:31	BGL
Naphthalene	ND	0.31	mg/Kg dry	1		SW-846 8270D	8/8/17	8/9/17 13:31	BGL
Phenanthrene	ND	0.31	mg/Kg dry	1		SW-846 8270D	8/8/17	8/9/17 13:31	BGL
Pyrene	ND	0.31	mg/Kg dry	1		SW-846 8270D	8/8/17	8/9/17 13:31	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Nitrobenzene-d5	72.2	30-130		8/9/17 13:31
2-Fluorobiphenyl	39.8	30-130		8/9/17 13:31
p-Terphenyl-d14	37.0	30-130		8/9/17 13:31

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17G1436

Date Received: 7/31/2017

Field Sample #: WS-AOC9-SO-28-4B Sampled: 7/31/2017 11:38

Sample ID: 17G1436-01

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	41	18	mg/Kg dry	1		CTDEP ETPH	8/7/17	8/9/17 8:00	SCS

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
o-Terphenyl	64.4	50-150		8/9/17 8:00

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17G1436

Date Received: 7/31/2017

Field Sample #: WS-AOC9-SO-28-4B Sampled: 7/31/2017 11:38

Sample ID: 17G1436-01

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	54.1		% Wt	1		SM 2540G	8/5/17	8/7/17 6:28	MRL

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17G1436

Date Received: 7/31/2017

Field Sample #: WS-AOC8-SO-1-1 Sampled: 7/31/2017 14:20

Sample ID: 17G1436-02

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	0.10	mg/Kg dry	5		SW-846 8082A	8/8/17	8/24/17 17:24	TG
Aroclor-1221 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/8/17	8/24/17 17:24	TG
Aroclor-1232 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/8/17	8/24/17 17:24	TG
Aroclor-1242 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/8/17	8/24/17 17:24	TG
Aroclor-1248 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/8/17	8/24/17 17:24	TG
Aroclor-1254 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/8/17	8/24/17 17:24	TG
Aroclor-1260 [2]	0.23	0.10	mg/Kg dry	5		SW-846 8082A	8/8/17	8/24/17 17:24	TG
Aroclor-1262 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/8/17	8/24/17 17:24	TG
Aroclor-1268 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/8/17	8/24/17 17:24	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	66.5	30-150		8/24/17 17:24
Decachlorobiphenyl [2]	71.6	30-150		8/24/17 17:24
Tetrachloro-m-xylene [1]	69.0	30-150		8/24/17 17:24
Tetrachloro-m-xylene [2]	78.8	30-150		8/24/17 17:24

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17G1436

Date Received: 7/31/2017

Field Sample #: WS-AOC8-SO-1-1 Sampled: 7/31/2017 14:20

Sample ID: 17G1436-02

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	96.6		% Wt	1		SM 2540G	8/5/17	8/7/17 6:28	MRL

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17G1436

Date Received: 7/31/2017

Field Sample #: WS-AOC8-SO-1-2 Sampled: 7/31/2017 14:21

Sample ID: 17G1436-03

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	0.069	mg/Kg dry	1		SW-846 8260C	8/2/17	8/2/17 14:18	MFF
Acrylonitrile	ND	0.0042	mg/Kg dry	1		SW-846 8260C	8/2/17	8/2/17 14:18	MFF
Benzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/2/17	8/2/17 14:18	MFF
Bromobenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/2/17	8/2/17 14:18	MFF
Bromodichloromethane	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/2/17	8/2/17 14:18	MFF
Bromoform	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/2/17	8/2/17 14:18	MFF
Bromomethane	ND	0.0069	mg/Kg dry	1		SW-846 8260C	8/2/17	8/2/17 14:18	MFF
2-Butanone (MEK)	ND	0.028	mg/Kg dry	1		SW-846 8260C	8/2/17	8/2/17 14:18	MFF
n-Butylbenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/2/17	8/2/17 14:18	MFF
sec-Butylbenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/2/17	8/2/17 14:18	MFF
tert-Butylbenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/2/17	8/2/17 14:18	MFF
Carbon Disulfide	ND	0.0042	mg/Kg dry	1		SW-846 8260C	8/2/17	8/2/17 14:18	MFF
Carbon Tetrachloride	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/2/17	8/2/17 14:18	MFF
Chlorobenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/2/17	8/2/17 14:18	MFF
Chlorodibromomethane	ND	0.00069	mg/Kg dry	1		SW-846 8260C	8/2/17	8/2/17 14:18	MFF
Chloroethane	ND	0.014	mg/Kg dry	1		SW-846 8260C	8/2/17	8/2/17 14:18	MFF
Chloroform	ND	0.0028	mg/Kg dry	1		SW-846 8260C	8/2/17	8/2/17 14:18	MFF
Chloromethane	ND	0.0069	mg/Kg dry	1		SW-846 8260C	8/2/17	8/2/17 14:18	MFF
2-Chlorotoluene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/2/17	8/2/17 14:18	MFF
4-Chlorotoluene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/2/17	8/2/17 14:18	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/2/17	8/2/17 14:18	MFF
1,2-Dibromoethane (EDB)	ND	0.00069	mg/Kg dry	1		SW-846 8260C	8/2/17	8/2/17 14:18	MFF
Dibromomethane	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/2/17	8/2/17 14:18	MFF
1,2-Dichlorobenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/2/17	8/2/17 14:18	MFF
1,3-Dichlorobenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/2/17	8/2/17 14:18	MFF
1,4-Dichlorobenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/2/17	8/2/17 14:18	MFF
trans-1,4-Dichloro-2-butene	ND	0.0028	mg/Kg dry	1		SW-846 8260C	8/2/17	8/2/17 14:18	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.014	mg/Kg dry	1	L-03	SW-846 8260C	8/2/17	8/2/17 14:18	MFF
1,1-Dichloroethane	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/2/17	8/2/17 14:18	MFF
1,2-Dichloroethane	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/2/17	8/2/17 14:18	MFF
1,1-Dichloroethylene	ND	0.0028	mg/Kg dry	1		SW-846 8260C	8/2/17	8/2/17 14:18	MFF
cis-1,2-Dichloroethylene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/2/17	8/2/17 14:18	MFF
trans-1,2-Dichloroethylene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/2/17	8/2/17 14:18	MFF
1,2-Dichloropropane	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/2/17	8/2/17 14:18	MFF
1,3-Dichloropropane	ND	0.00069	mg/Kg dry	1		SW-846 8260C	8/2/17	8/2/17 14:18	MFF
2,2-Dichloropropane	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/2/17	8/2/17 14:18	MFF
1,1-Dichloropropene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/2/17	8/2/17 14:18	MFF
cis-1,3-Dichloropropene	ND	0.00069	mg/Kg dry	1		SW-846 8260C	8/2/17	8/2/17 14:18	MFF
trans-1,3-Dichloropropene	ND	0.00069	mg/Kg dry	1		SW-846 8260C	8/2/17	8/2/17 14:18	MFF
Ethylbenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/2/17	8/2/17 14:18	MFF
Hexachlorobutadiene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/2/17	8/2/17 14:18	MFF
2-Hexanone (MBK)	ND	0.014	mg/Kg dry	1		SW-846 8260C	8/2/17	8/2/17 14:18	MFF
Isopropylbenzene (Cumene)	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/2/17	8/2/17 14:18	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/2/17	8/2/17 14:18	MFF

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17G1436

Date Received: 7/31/2017

Field Sample #: WS-AOC8-SO-1-2 Sampled: 7/31/2017 14:21

Sample ID: 17G1436-03

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	0.0028	mg/Kg dry	1		SW-846 8260C	8/2/17	8/2/17 14:18	MFF
Methylene Chloride	ND	0.014	mg/Kg dry	1		SW-846 8260C	8/2/17	8/2/17 14:18	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.014	mg/Kg dry	1		SW-846 8260C	8/2/17	8/2/17 14:18	MFF
Naphthalene	ND	0.0028	mg/Kg dry	1		SW-846 8260C	8/2/17	8/2/17 14:18	MFF
n-Propylbenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/2/17	8/2/17 14:18	MFF
Styrene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/2/17	8/2/17 14:18	MFF
1,1,1,2-Tetrachloroethane	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/2/17	8/2/17 14:18	MFF
1,1,2,2-Tetrachloroethane	ND	0.0028	mg/Kg dry	1		SW-846 8260C	8/2/17	8/2/17 14:18	MFF
Tetrachloroethylene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/2/17	8/2/17 14:18	MFF
Tetrahydrofuran	ND	0.0069	mg/Kg dry	1	V-16	SW-846 8260C	8/2/17	8/2/17 14:18	MFF
Toluene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/2/17	8/2/17 14:18	MFF
1,2,3-Trichlorobenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/2/17	8/2/17 14:18	MFF
1,2,4-Trichlorobenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/2/17	8/2/17 14:18	MFF
1,1,1-Trichloroethane	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/2/17	8/2/17 14:18	MFF
1,1,2-Trichloroethane	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/2/17	8/2/17 14:18	MFF
Trichloroethylene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/2/17	8/2/17 14:18	MFF
Trichlorofluoromethane (Freon 11)	ND	0.0069	mg/Kg dry	1		SW-846 8260C	8/2/17	8/2/17 14:18	MFF
1,2,3-Trichloropropane	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/2/17	8/2/17 14:18	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0069	mg/Kg dry	1		SW-846 8260C	8/2/17	8/2/17 14:18	MFF
1,2,4-Trimethylbenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/2/17	8/2/17 14:18	MFF
1,3,5-Trimethylbenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/2/17	8/2/17 14:18	MFF
Vinyl Chloride	ND	0.0069	mg/Kg dry	1		SW-846 8260C	8/2/17	8/2/17 14:18	MFF
m+p Xylene	ND	0.0028	mg/Kg dry	1		SW-846 8260C	8/2/17	8/2/17 14:18	MFF
o-Xylene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/2/17	8/2/17 14:18	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	98.9	70-130		8/2/17 14:18
Toluene-d8	104	70-130		8/2/17 14:18
4-Bromofluorobenzene	102	70-130		8/2/17 14:18

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17G1436

Date Received: 7/31/2017

Field Sample #: WS-AOC8-SO-1-2 Sampled: 7/31/2017 14:21

Sample ID: 17G1436-03

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	8/8/17	8/9/17 13:54	BGL
Acenaphthylene	ND	0.18	mg/Kg dry	1		SW-846 8270D	8/8/17	8/9/17 13:54	BGL
Anthracene	ND	0.18	mg/Kg dry	1		SW-846 8270D	8/8/17	8/9/17 13:54	BGL
Benzo(a)anthracene	ND	0.18	mg/Kg dry	1		SW-846 8270D	8/8/17	8/9/17 13:54	BGL
Benzo(a)pyrene	ND	0.18	mg/Kg dry	1		SW-846 8270D	8/8/17	8/9/17 13:54	BGL
Benzo(b)fluoranthene	0.19	0.18	mg/Kg dry	1		SW-846 8270D	8/8/17	8/9/17 13:54	BGL
Benzo(g,h,i)perylene	ND	0.18	mg/Kg dry	1		SW-846 8270D	8/8/17	8/9/17 13:54	BGL
Benzo(k)fluoranthene	ND	0.18	mg/Kg dry	1		SW-846 8270D	8/8/17	8/9/17 13:54	BGL
Chrysene	ND	0.18	mg/Kg dry	1		SW-846 8270D	8/8/17	8/9/17 13:54	BGL
Dibenz(a,h)anthracene	ND	0.18	mg/Kg dry	1		SW-846 8270D	8/8/17	8/9/17 13:54	BGL
Fluoranthene	0.21	0.18	mg/Kg dry	1		SW-846 8270D	8/8/17	8/9/17 13:54	BGL
Fluorene	ND	0.18	mg/Kg dry	1		SW-846 8270D	8/8/17	8/9/17 13:54	BGL
Indeno(1,2,3-cd)pyrene	ND	0.18	mg/Kg dry	1		SW-846 8270D	8/8/17	8/9/17 13:54	BGL
2-Methylnaphthalene	ND	0.18	mg/Kg dry	1		SW-846 8270D	8/8/17	8/9/17 13:54	BGL
Naphthalene	ND	0.18	mg/Kg dry	1		SW-846 8270D	8/8/17	8/9/17 13:54	BGL
Phenanthrene	ND	0.18	mg/Kg dry	1		SW-846 8270D	8/8/17	8/9/17 13:54	BGL
Pyrene	0.22	0.18	mg/Kg dry	1		SW-846 8270D	8/8/17	8/9/17 13:54	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Nitrobenzene-d5	82.4	30-130		8/9/17 13:54
2-Fluorobiphenyl	83.9	30-130		8/9/17 13:54
p-Terphenyl-d14	92.3	30-130		8/9/17 13:54

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17G1436

Date Received: 7/31/2017

Field Sample #: WS-AOC8-SO-1-2 Sampled: 7/31/2017 14:21

Sample ID: 17G1436-03

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	0.10	mg/Kg dry	5		SW-846 8082A	8/8/17	8/24/17 17:42	TG
Aroclor-1221 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/8/17	8/24/17 17:42	TG
Aroclor-1232 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/8/17	8/24/17 17:42	TG
Aroclor-1242 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/8/17	8/24/17 17:42	TG
Aroclor-1248 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/8/17	8/24/17 17:42	TG
Aroclor-1254 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/8/17	8/24/17 17:42	TG
Aroclor-1260 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/8/17	8/24/17 17:42	TG
Aroclor-1262 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/8/17	8/24/17 17:42	TG
Aroclor-1268 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/8/17	8/24/17 17:42	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	78.1	30-150		8/24/17 17:42
Decachlorobiphenyl [2]	82.8	30-150		8/24/17 17:42
Tetrachloro-m-xylene [1]	83.0	30-150		8/24/17 17:42
Tetrachloro-m-xylene [2]	95.5	30-150		8/24/17 17:42

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17G1436

Date Received: 7/31/2017

Field Sample #: WS-AOC8-SO-1-2 Sampled: 7/31/2017 14:21

Sample ID: 17G1436-03

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	14	10	mg/Kg dry	1		CTDEP ETPH	8/7/17	8/8/17 12:46	SCS

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
o-Terphenyl	69.0	50-150		8/8/17 12:46

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17G1436

Date Received: 7/31/2017

Field Sample #: WS-AOC8-SO-1-2 Sampled: 7/31/2017 14:21

Sample ID: 17G1436-03

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	96.8		% Wt	1		SM 2540G	8/5/17	8/7/17 6:28	MRL

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17G1436

Date Received: 7/31/2017

Field Sample #: WS-AOC8-SO-1-3 Sampled: 7/31/2017 14:22

Sample ID: 17G1436-04

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	0.17	mg/Kg dry	5		SW-846 8082A	8/8/17	8/24/17 17:59	TG
Aroclor-1221 [1]	ND	0.17	mg/Kg dry	5		SW-846 8082A	8/8/17	8/24/17 17:59	TG
Aroclor-1232 [1]	ND	0.17	mg/Kg dry	5		SW-846 8082A	8/8/17	8/24/17 17:59	TG
Aroclor-1242 [1]	ND	0.17	mg/Kg dry	5		SW-846 8082A	8/8/17	8/24/17 17:59	TG
Aroclor-1248 [1]	ND	0.17	mg/Kg dry	5		SW-846 8082A	8/8/17	8/24/17 17:59	TG
Aroclor-1254 [1]	ND	0.17	mg/Kg dry	5		SW-846 8082A	8/8/17	8/24/17 17:59	TG
Aroclor-1260 [1]	ND	0.17	mg/Kg dry	5		SW-846 8082A	8/8/17	8/24/17 17:59	TG
Aroclor-1262 [1]	ND	0.17	mg/Kg dry	5		SW-846 8082A	8/8/17	8/24/17 17:59	TG
Aroclor-1268 [1]	ND	0.17	mg/Kg dry	5		SW-846 8082A	8/8/17	8/24/17 17:59	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	46.7	30-150		8/24/17 17:59
Decachlorobiphenyl [2]	54.1	30-150		8/24/17 17:59
Tetrachloro-m-xylene [1]	55.3	30-150		8/24/17 17:59
Tetrachloro-m-xylene [2]	64.0	30-150		8/24/17 17:59

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17G1436

Date Received: 7/31/2017

Field Sample #: WS-AOC8-SO-1-3 Sampled: 7/31/2017 14:22

Sample ID: 17G1436-04

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	60.6		% Wt	1		SM 2540G	8/5/17	8/7/17 6:28	MRL

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17G1436

Date Received: 7/31/2017

Field Sample #: WS-AOC8-SO-2-1A Sampled: 7/31/2017 14:16

Sample ID: 17G1436-05

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/8/17	8/24/17 18:17	TG
Aroclor-1221 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/8/17	8/24/17 18:17	TG
Aroclor-1232 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/8/17	8/24/17 18:17	TG
Aroclor-1242 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/8/17	8/24/17 18:17	TG
Aroclor-1248 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/8/17	8/24/17 18:17	TG
Aroclor-1254 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/8/17	8/24/17 18:17	TG
Aroclor-1260 [2]	0.41	0.10	mg/Kg dry	5		SW-846 8082A	8/8/17	8/24/17 18:17	TG
Aroclor-1262 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/8/17	8/24/17 18:17	TG
Aroclor-1268 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/8/17	8/24/17 18:17	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	55.5	30-150		8/24/17 18:17
Decachlorobiphenyl [2]	61.9	30-150		8/24/17 18:17
Tetrachloro-m-xylene [1]	55.8	30-150		8/24/17 18:17
Tetrachloro-m-xylene [2]	63.8	30-150		8/24/17 18:17

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17G1436

Date Received: 7/31/2017

Field Sample #: WS-AOC8-SO-2-1A Sampled: 7/31/2017 14:16

Sample ID: 17G1436-05

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	97.5		% Wt	1		SM 2540G	8/5/17	8/7/17 6:28	MRL

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17G1436

Date Received: 7/31/2017

Field Sample #: WS-AOC8-SO-2-1B Sampled: 7/31/2017 14:18

Sample ID: 17G1436-06

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	0.85	0.18	mg/Kg dry	1		SW-846 8270D	8/8/17	8/9/17 14:17	BGL
Acenaphthene	ND	0.89	mg/Kg dry	5		SW-846 8270D	8/8/17	8/9/17 17:00	BGL
Acenaphthylene	ND	0.18	mg/Kg dry	1		SW-846 8270D	8/8/17	8/9/17 14:17	BGL
Acenaphthylene	ND	0.89	mg/Kg dry	5		SW-846 8270D	8/8/17	8/9/17 17:00	BGL
Anthracene	1.4	0.18	mg/Kg dry	1		SW-846 8270D	8/8/17	8/9/17 14:17	BGL
Anthracene	1.3	0.89	mg/Kg dry	5		SW-846 8270D	8/8/17	8/9/17 17:00	BGL
Benzo(a)anthracene	6.8	0.18	mg/Kg dry	1	E	SW-846 8270D	8/8/17	8/9/17 14:17	BGL
Benzo(a)anthracene	6.2	0.89	mg/Kg dry	5		SW-846 8270D	8/8/17	8/9/17 17:00	BGL
Benzo(a)pyrene	5.7	0.18	mg/Kg dry	1	E	SW-846 8270D	8/8/17	8/9/17 14:17	BGL
Benzo(a)pyrene	4.9	0.89	mg/Kg dry	5		SW-846 8270D	8/8/17	8/9/17 17:00	BGL
Benzo(b)fluoranthene	7.4	0.18	mg/Kg dry	1	E	SW-846 8270D	8/8/17	8/9/17 14:17	BGL
Benzo(b)fluoranthene	6.5	0.89	mg/Kg dry	5		SW-846 8270D	8/8/17	8/9/17 17:00	BGL
Benzo(g,h,i)perylene	4.1	0.18	mg/Kg dry	1		SW-846 8270D	8/8/17	8/9/17 14:17	BGL
Benzo(g,h,i)perylene	3.4	0.89	mg/Kg dry	5		SW-846 8270D	8/8/17	8/9/17 17:00	BGL
Benzo(k)fluoranthene	2.7	0.18	mg/Kg dry	1		SW-846 8270D	8/8/17	8/9/17 14:17	BGL
Benzo(k)fluoranthene	2.4	0.89	mg/Kg dry	5		SW-846 8270D	8/8/17	8/9/17 17:00	BGL
Chrysene	7.2	0.18	mg/Kg dry	1	E	SW-846 8270D	8/8/17	8/9/17 14:17	BGL
Chrysene	6.3	0.89	mg/Kg dry	5		SW-846 8270D	8/8/17	8/9/17 17:00	BGL
Dibenz(a,h)anthracene	1.0	0.18	mg/Kg dry	1		SW-846 8270D	8/8/17	8/9/17 14:17	BGL
Dibenz(a,h)anthracene	0.96	0.89	mg/Kg dry	5		SW-846 8270D	8/8/17	8/9/17 17:00	BGL
Fluoranthene	16	0.18	mg/Kg dry	1	E	SW-846 8270D	8/8/17	8/9/17 14:17	BGL
Fluoranthene	12	0.89	mg/Kg dry	5		SW-846 8270D	8/8/17	8/9/17 17:00	BGL
Fluorene	0.42	0.18	mg/Kg dry	1		SW-846 8270D	8/8/17	8/9/17 14:17	BGL
Fluorene	ND	0.89	mg/Kg dry	5		SW-846 8270D	8/8/17	8/9/17 17:00	BGL
Indeno(1,2,3-cd)pyrene	3.8	0.18	mg/Kg dry	1		SW-846 8270D	8/8/17	8/9/17 14:17	BGL
Indeno(1,2,3-cd)pyrene	3.3	0.89	mg/Kg dry	5		SW-846 8270D	8/8/17	8/9/17 17:00	BGL
2-Methylnaphthalene	ND	0.18	mg/Kg dry	1		SW-846 8270D	8/8/17	8/9/17 14:17	BGL
2-Methylnaphthalene	ND	0.89	mg/Kg dry	5		SW-846 8270D	8/8/17	8/9/17 17:00	BGL
Naphthalene	ND	0.18	mg/Kg dry	1		SW-846 8270D	8/8/17	8/9/17 14:17	BGL
Naphthalene	ND	0.89	mg/Kg dry	5		SW-846 8270D	8/8/17	8/9/17 17:00	BGL
Phenanthrene	6.8	0.18	mg/Kg dry	1	E	SW-846 8270D	8/8/17	8/9/17 14:17	BGL
Phenanthrene	5.4	0.89	mg/Kg dry	5		SW-846 8270D	8/8/17	8/9/17 17:00	BGL
Pyrene	18	0.18	mg/Kg dry	1	E	SW-846 8270D	8/8/17	8/9/17 14:17	BGL
Pyrene	13	0.89	mg/Kg dry	5		SW-846 8270D	8/8/17	8/9/17 17:00	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Nitrobenzene-d5	52.7	30-130		8/9/17 14:17
Nitrobenzene-d5	45.8	30-130		8/9/17 17:00
2-Fluorobiphenyl	52.3	30-130		8/9/17 14:17
2-Fluorobiphenyl	43.9	30-130		8/9/17 17:00
p-Terphenyl-d14	60.4	30-130		8/9/17 14:17
p-Terphenyl-d14	54.7	30-130		8/9/17 17:00

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17G1436

Date Received: 7/31/2017

Field Sample #: WS-AOC8-SO-2-1B Sampled: 7/31/2017 14:18

Sample ID: 17G1436-06

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	220	52	mg/Kg dry	5		CTDEP ETPH	8/7/17	8/8/17 14:52	SCS

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
o-Terphenyl	54.8	50-150		8/8/17 14:52

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17G1436

Date Received: 7/31/2017

Field Sample #: WS-AOC8-SO-2-1B Sampled: 7/31/2017 14:18

Sample ID: 17G1436-06

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	96.0		% Wt	1		SM 2540G	8/5/17	8/7/17 6:28	MRL

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17G1436

Date Received: 7/31/2017

Field Sample #: WS-AOC8-SO-2-2 Sampled: 7/31/2017 14:20

Sample ID: 17G1436-07

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	8/8/17	8/24/17 18:35	TG
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/8/17	8/24/17 18:35	TG
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/8/17	8/24/17 18:35	TG
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/8/17	8/24/17 18:35	TG
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/8/17	8/24/17 18:35	TG
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/8/17	8/24/17 18:35	TG
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/8/17	8/24/17 18:35	TG
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/8/17	8/24/17 18:35	TG
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/8/17	8/24/17 18:35	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	78.0	30-150		8/24/17 18:35
Decachlorobiphenyl [2]	82.9	30-150		8/24/17 18:35
Tetrachloro-m-xylene [1]	78.3	30-150		8/24/17 18:35
Tetrachloro-m-xylene [2]	87.8	30-150		8/24/17 18:35

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17G1436

Date Received: 7/31/2017

Field Sample #: WS-AOC8-SO-2-2 Sampled: 7/31/2017 14:20

Sample ID: 17G1436-07

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	95.2		% Wt	1		SM 2540G	8/5/17	8/7/17 6:28	MRL

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17G1436

Date Received: 7/31/2017

Field Sample #: WS-AOC8-SO-2-3 Sampled: 7/31/2017 14:22

Sample ID: 17G1436-08

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	8/8/17	8/24/17 18:52	TG
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/8/17	8/24/17 18:52	TG
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/8/17	8/24/17 18:52	TG
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/8/17	8/24/17 18:52	TG
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/8/17	8/24/17 18:52	TG
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/8/17	8/24/17 18:52	TG
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/8/17	8/24/17 18:52	TG
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/8/17	8/24/17 18:52	TG
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/8/17	8/24/17 18:52	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	66.1	30-150		8/24/17 18:52
Decachlorobiphenyl [2]	71.4	30-150		8/24/17 18:52
Tetrachloro-m-xylene [1]	65.5	30-150		8/24/17 18:52
Tetrachloro-m-xylene [2]	74.4	30-150		8/24/17 18:52

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17G1436

Date Received: 7/31/2017

Field Sample #: WS-AOC8-SO-2-3 Sampled: 7/31/2017 14:22

Sample ID: 17G1436-08

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	89.5		% Wt	1		SM 2540G	8/5/17	8/7/17 6:28	MRL

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17G1436

Date Received: 7/31/2017

Field Sample #: WS-AOC8-SO-3-1A Sampled: 7/31/2017 14:50

Sample ID: 17G1436-09

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	0.12	mg/Kg dry	5		SW-846 8082A	8/8/17	8/24/17 19:10	TG
Aroclor-1221 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	8/8/17	8/24/17 19:10	TG
Aroclor-1232 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	8/8/17	8/24/17 19:10	TG
Aroclor-1242 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	8/8/17	8/24/17 19:10	TG
Aroclor-1248 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	8/8/17	8/24/17 19:10	TG
Aroclor-1254 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	8/8/17	8/24/17 19:10	TG
Aroclor-1260 [2]	0.22	0.12	mg/Kg dry	5		SW-846 8082A	8/8/17	8/24/17 19:10	TG
Aroclor-1262 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	8/8/17	8/24/17 19:10	TG
Aroclor-1268 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	8/8/17	8/24/17 19:10	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	80.6	30-150		8/24/17 19:10
Decachlorobiphenyl [2]	84.2	30-150		8/24/17 19:10
Tetrachloro-m-xylene [1]	85.9	30-150		8/24/17 19:10
Tetrachloro-m-xylene [2]	97.7	30-150		8/24/17 19:10

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17G1436

Date Received: 7/31/2017

Field Sample #: WS-AOC8-SO-3-1A Sampled: 7/31/2017 14:50

Sample ID: 17G1436-09

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	86.2		% Wt	1		SM 2540G	8/5/17	8/7/17 6:28	MRL

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17G1436

Date Received: 7/31/2017

Field Sample #: WS-AOC8-SO-3-1B Sampled: 7/31/2017 14:52

Sample ID: 17G1436-10

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	8/8/17	8/9/17 14:41	BGL
Acenaphthylene	ND	0.18	mg/Kg dry	1		SW-846 8270D	8/8/17	8/9/17 14:41	BGL
Anthracene	0.20	0.18	mg/Kg dry	1		SW-846 8270D	8/8/17	8/9/17 14:41	BGL
Benzo(a)anthracene	0.69	0.18	mg/Kg dry	1		SW-846 8270D	8/8/17	8/9/17 14:41	BGL
Benzo(a)pyrene	0.58	0.18	mg/Kg dry	1		SW-846 8270D	8/8/17	8/9/17 14:41	BGL
Benzo(b)fluoranthene	0.72	0.18	mg/Kg dry	1		SW-846 8270D	8/8/17	8/9/17 14:41	BGL
Benzo(g,h,i)perylene	0.50	0.18	mg/Kg dry	1		SW-846 8270D	8/8/17	8/9/17 14:41	BGL
Benzo(k)fluoranthene	0.25	0.18	mg/Kg dry	1		SW-846 8270D	8/8/17	8/9/17 14:41	BGL
Chrysene	0.65	0.18	mg/Kg dry	1		SW-846 8270D	8/8/17	8/9/17 14:41	BGL
Dibenz(a,h)anthracene	ND	0.18	mg/Kg dry	1		SW-846 8270D	8/8/17	8/9/17 14:41	BGL
Fluoranthene	1.5	0.18	mg/Kg dry	1		SW-846 8270D	8/8/17	8/9/17 14:41	BGL
Fluorene	ND	0.18	mg/Kg dry	1		SW-846 8270D	8/8/17	8/9/17 14:41	BGL
Indeno(1,2,3-cd)pyrene	0.48	0.18	mg/Kg dry	1		SW-846 8270D	8/8/17	8/9/17 14:41	BGL
2-Methylnaphthalene	ND	0.18	mg/Kg dry	1		SW-846 8270D	8/8/17	8/9/17 14:41	BGL
Naphthalene	ND	0.18	mg/Kg dry	1		SW-846 8270D	8/8/17	8/9/17 14:41	BGL
Phenanthrene	1.0	0.18	mg/Kg dry	1		SW-846 8270D	8/8/17	8/9/17 14:41	BGL
Pyrene	1.5	0.18	mg/Kg dry	1		SW-846 8270D	8/8/17	8/9/17 14:41	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Nitrobenzene-d5	77.2	30-130		8/9/17 14:41
2-Fluorobiphenyl	78.6	30-130		8/9/17 14:41
p-Terphenyl-d14	98.3	30-130		8/9/17 14:41

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17G1436

Date Received: 7/31/2017

Field Sample #: WS-AOC8-SO-3-1B Sampled: 7/31/2017 14:52

Sample ID: 17G1436-10

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	30	10	mg/Kg dry	1		CTDEP ETPH	8/7/17	8/8/17 13:04	SCS

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
o-Terphenyl	66.3	50-150		8/8/17 13:04

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17G1436

Date Received: 7/31/2017

Field Sample #: WS-AOC8-SO-3-1B Sampled: 7/31/2017 14:52

Sample ID: 17G1436-10

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	96.2		% Wt	1		SM 2540G	8/5/17	8/7/17 6:28	MRL

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17G1436

Date Received: 7/31/2017

Field Sample #: WS-AOC8-SO-3-2 Sampled: 7/31/2017 14:54

Sample ID: 17G1436-11

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	8/8/17	8/24/17 19:28	TG
Aroclor-1221 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	8/8/17	8/24/17 19:28	TG
Aroclor-1232 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	8/8/17	8/24/17 19:28	TG
Aroclor-1242 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	8/8/17	8/24/17 19:28	TG
Aroclor-1248 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	8/8/17	8/24/17 19:28	TG
Aroclor-1254 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	8/8/17	8/24/17 19:28	TG
Aroclor-1260 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	8/8/17	8/24/17 19:28	TG
Aroclor-1262 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	8/8/17	8/24/17 19:28	TG
Aroclor-1268 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	8/8/17	8/24/17 19:28	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	80.9	30-150		8/24/17 19:28
Decachlorobiphenyl [2]	86.7	30-150		8/24/17 19:28
Tetrachloro-m-xylene [1]	90.4	30-150		8/24/17 19:28
Tetrachloro-m-xylene [2]	101	30-150		8/24/17 19:28

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17G1436

Date Received: 7/31/2017

Field Sample #: WS-AOC8-SO-3-2 Sampled: 7/31/2017 14:54

Sample ID: 17G1436-11

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	71.1		% Wt	1		SM 2540G	8/5/17	8/7/17 6:28	MRL

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17G1436

Date Received: 7/31/2017

Field Sample #: WS-AOC8-SO-3-3 Sampled: 7/31/2017 14:56

Sample ID: 17G1436-12

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	0.16	mg/Kg dry	5		SW-846 8082A	8/8/17	8/24/17 19:45	TG
Aroclor-1221 [1]	ND	0.16	mg/Kg dry	5		SW-846 8082A	8/8/17	8/24/17 19:45	TG
Aroclor-1232 [1]	ND	0.16	mg/Kg dry	5		SW-846 8082A	8/8/17	8/24/17 19:45	TG
Aroclor-1242 [1]	ND	0.16	mg/Kg dry	5		SW-846 8082A	8/8/17	8/24/17 19:45	TG
Aroclor-1248 [1]	ND	0.16	mg/Kg dry	5		SW-846 8082A	8/8/17	8/24/17 19:45	TG
Aroclor-1254 [1]	ND	0.16	mg/Kg dry	5		SW-846 8082A	8/8/17	8/24/17 19:45	TG
Aroclor-1260 [1]	ND	0.16	mg/Kg dry	5		SW-846 8082A	8/8/17	8/24/17 19:45	TG
Aroclor-1262 [1]	ND	0.16	mg/Kg dry	5		SW-846 8082A	8/8/17	8/24/17 19:45	TG
Aroclor-1268 [1]	ND	0.16	mg/Kg dry	5		SW-846 8082A	8/8/17	8/24/17 19:45	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	73.3	30-150		8/24/17 19:45
Decachlorobiphenyl [2]	84.0	30-150		8/24/17 19:45
Tetrachloro-m-xylene [1]	73.7	30-150		8/24/17 19:45
Tetrachloro-m-xylene [2]	84.4	30-150		8/24/17 19:45

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17G1436

Date Received: 7/31/2017

Field Sample #: WS-AOC8-SO-3-3 Sampled: 7/31/2017 14:56

Sample ID: 17G1436-12

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	61.8		% Wt	1		SM 2540G	8/5/17	8/7/17 6:28	MRL

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17G1436

Date Received: 7/31/2017

Field Sample #: WS-AOC8-SO-4-1 Sampled: 7/31/2017 15:05

Sample ID: 17G1436-13

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.52	mg/Kg dry	25		SW-846 8082A	8/8/17	8/25/17 11:13	TG
Aroclor-1221 [1]	ND	0.52	mg/Kg dry	25		SW-846 8082A	8/8/17	8/25/17 11:13	TG
Aroclor-1232 [1]	ND	0.52	mg/Kg dry	25		SW-846 8082A	8/8/17	8/25/17 11:13	TG
Aroclor-1242 [1]	ND	0.52	mg/Kg dry	25		SW-846 8082A	8/8/17	8/25/17 11:13	TG
Aroclor-1248 [1]	ND	0.52	mg/Kg dry	25		SW-846 8082A	8/8/17	8/25/17 11:13	TG
Aroclor-1254 [1]	ND	0.52	mg/Kg dry	25		SW-846 8082A	8/8/17	8/25/17 11:13	TG
Aroclor-1260 [2]	3.4	0.52	mg/Kg dry	25		SW-846 8082A	8/8/17	8/25/17 11:13	TG
Aroclor-1262 [1]	ND	0.52	mg/Kg dry	25		SW-846 8082A	8/8/17	8/25/17 11:13	TG
Aroclor-1268 [1]	ND	0.52	mg/Kg dry	25		SW-846 8082A	8/8/17	8/25/17 11:13	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	91.5	30-150		8/25/17 11:13
Decachlorobiphenyl [2]	105	30-150		8/25/17 11:13
Tetrachloro-m-xylene [1]	86.8	30-150		8/25/17 11:13
Tetrachloro-m-xylene [2]	104	30-150		8/25/17 11:13

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17G1436

Date Received: 7/31/2017

Field Sample #: WS-AOC8-SO-4-1 Sampled: 7/31/2017 15:05

Sample ID: 17G1436-13

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	96.8		% Wt	1		SM 2540G	8/5/17	8/7/17 6:28	MRL

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17G1436

Date Received: 7/31/2017

Field Sample #: WS-AOC8-SO-4-2 Sampled: 7/31/2017 15:06

Sample ID: 17G1436-14

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.56	mg/Kg dry	25		SW-846 8082A	8/8/17	8/25/17 11:31	TG
Aroclor-1221 [1]	ND	0.56	mg/Kg dry	25		SW-846 8082A	8/8/17	8/25/17 11:31	TG
Aroclor-1232 [1]	ND	0.56	mg/Kg dry	25		SW-846 8082A	8/8/17	8/25/17 11:31	TG
Aroclor-1242 [1]	ND	0.56	mg/Kg dry	25		SW-846 8082A	8/8/17	8/25/17 11:31	TG
Aroclor-1248 [1]	ND	0.56	mg/Kg dry	25		SW-846 8082A	8/8/17	8/25/17 11:31	TG
Aroclor-1254 [1]	ND	0.56	mg/Kg dry	25		SW-846 8082A	8/8/17	8/25/17 11:31	TG
Aroclor-1260 [2]	4.3	0.56	mg/Kg dry	25		SW-846 8082A	8/8/17	8/25/17 11:31	TG
Aroclor-1262 [1]	ND	0.56	mg/Kg dry	25		SW-846 8082A	8/8/17	8/25/17 11:31	TG
Aroclor-1268 [1]	ND	0.56	mg/Kg dry	25		SW-846 8082A	8/8/17	8/25/17 11:31	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	83.4	30-150		8/25/17 11:31
Decachlorobiphenyl [2]	97.0	30-150		8/25/17 11:31
Tetrachloro-m-xylene [1]	80.0	30-150		8/25/17 11:31
Tetrachloro-m-xylene [2]	99.0	30-150		8/25/17 11:31

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17G1436

Date Received: 7/31/2017

Field Sample #: WS-AOC8-SO-4-2 Sampled: 7/31/2017 15:06

Sample ID: 17G1436-14

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	88.7		% Wt	1		SM 2540G	8/5/17	8/7/17 6:28	MRL

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17G1436

Date Received: 7/31/2017

Field Sample #: WS-AOC8-SO-4-3 Sampled: 7/31/2017 15:07

Sample ID: 17G1436-15

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	8/8/17	8/24/17 21:27	TG
Aroclor-1221 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	8/8/17	8/24/17 21:27	TG
Aroclor-1232 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	8/8/17	8/24/17 21:27	TG
Aroclor-1242 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	8/8/17	8/24/17 21:27	TG
Aroclor-1248 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	8/8/17	8/24/17 21:27	TG
Aroclor-1254 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	8/8/17	8/24/17 21:27	TG
Aroclor-1260 [1]	1.3	0.13	mg/Kg dry	5		SW-846 8082A	8/8/17	8/24/17 21:27	TG
Aroclor-1262 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	8/8/17	8/24/17 21:27	TG
Aroclor-1268 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	8/8/17	8/24/17 21:27	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	88.7	30-150		8/24/17 21:27
Decachlorobiphenyl [2]	90.2	30-150		8/24/17 21:27
Tetrachloro-m-xylene [1]	89.2	30-150		8/24/17 21:27
Tetrachloro-m-xylene [2]	100	30-150		8/24/17 21:27

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17G1436

Date Received: 7/31/2017

Field Sample #: WS-AOC8-SO-4-3 Sampled: 7/31/2017 15:07

Sample ID: 17G1436-15

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	78.2		% Wt	1		SM 2540G	8/5/17	8/7/17 6:28	MRL

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17G1436

Date Received: 7/31/2017

Field Sample #: WS-AOC8-SO-4-4 Sampled: 7/31/2017 15:08

Sample ID: 17G1436-16

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	0.26	mg/Kg dry	1		SW-846 8270D	8/8/17	8/9/17 15:27	BGL
Acenaphthylene	ND	0.26	mg/Kg dry	1		SW-846 8270D	8/8/17	8/9/17 15:27	BGL
Anthracene	ND	0.26	mg/Kg dry	1		SW-846 8270D	8/8/17	8/9/17 15:27	BGL
Benzo(a)anthracene	0.57	0.26	mg/Kg dry	1		SW-846 8270D	8/8/17	8/9/17 15:27	BGL
Benzo(a)pyrene	0.55	0.26	mg/Kg dry	1		SW-846 8270D	8/8/17	8/9/17 15:27	BGL
Benzo(b)fluoranthene	0.53	0.26	mg/Kg dry	1		SW-846 8270D	8/8/17	8/9/17 15:27	BGL
Benzo(g,h,i)perylene	0.37	0.26	mg/Kg dry	1		SW-846 8270D	8/8/17	8/9/17 15:27	BGL
Benzo(k)fluoranthene	ND	0.26	mg/Kg dry	1		SW-846 8270D	8/8/17	8/9/17 15:27	BGL
Chrysene	0.49	0.26	mg/Kg dry	1		SW-846 8270D	8/8/17	8/9/17 15:27	BGL
Dibenz(a,h)anthracene	ND	0.26	mg/Kg dry	1		SW-846 8270D	8/8/17	8/9/17 15:27	BGL
Fluoranthene	1.0	0.26	mg/Kg dry	1		SW-846 8270D	8/8/17	8/9/17 15:27	BGL
Fluorene	ND	0.26	mg/Kg dry	1		SW-846 8270D	8/8/17	8/9/17 15:27	BGL
Indeno(1,2,3-cd)pyrene	0.32	0.26	mg/Kg dry	1		SW-846 8270D	8/8/17	8/9/17 15:27	BGL
2-Methylnaphthalene	ND	0.26	mg/Kg dry	1		SW-846 8270D	8/8/17	8/9/17 15:27	BGL
Naphthalene	ND	0.26	mg/Kg dry	1		SW-846 8270D	8/8/17	8/9/17 15:27	BGL
Phenanthrene	0.59	0.26	mg/Kg dry	1		SW-846 8270D	8/8/17	8/9/17 15:27	BGL
Pyrene	1.3	0.26	mg/Kg dry	1		SW-846 8270D	8/8/17	8/9/17 15:27	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Nitrobenzene-d5	86.7	30-130		8/9/17 15:27
2-Fluorobiphenyl	82.9	30-130		8/9/17 15:27
p-Terphenyl-d14	106	30-130		8/9/17 15:27

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17G1436

Date Received: 7/31/2017

Field Sample #: WS-AOC8-SO-4-4 Sampled: 7/31/2017 15:08

Sample ID: 17G1436-16

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.15	mg/Kg dry	5		SW-846 8082A	8/8/17	8/24/17 21:44	TG
Aroclor-1221 [1]	ND	0.15	mg/Kg dry	5		SW-846 8082A	8/8/17	8/24/17 21:44	TG
Aroclor-1232 [1]	ND	0.15	mg/Kg dry	5		SW-846 8082A	8/8/17	8/24/17 21:44	TG
Aroclor-1242 [1]	ND	0.15	mg/Kg dry	5		SW-846 8082A	8/8/17	8/24/17 21:44	TG
Aroclor-1248 [1]	ND	0.15	mg/Kg dry	5		SW-846 8082A	8/8/17	8/24/17 21:44	TG
Aroclor-1254 [1]	ND	0.15	mg/Kg dry	5		SW-846 8082A	8/8/17	8/24/17 21:44	TG
Aroclor-1260 [1]	ND	0.15	mg/Kg dry	5		SW-846 8082A	8/8/17	8/24/17 21:44	TG
Aroclor-1262 [1]	ND	0.15	mg/Kg dry	5		SW-846 8082A	8/8/17	8/24/17 21:44	TG
Aroclor-1268 [1]	ND	0.15	mg/Kg dry	5		SW-846 8082A	8/8/17	8/24/17 21:44	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	70.5	30-150		8/24/17 21:44
Decachlorobiphenyl [2]	72.9	30-150		8/24/17 21:44
Tetrachloro-m-xylene [1]	71.9	30-150		8/24/17 21:44
Tetrachloro-m-xylene [2]	81.3	30-150		8/24/17 21:44

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17G1436

Date Received: 7/31/2017

Field Sample #: WS-AOC8-SO-4-4 Sampled: 7/31/2017 15:08

Sample ID: 17G1436-16

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	20	15	mg/Kg dry	1		CTDEP ETPH	8/7/17	8/8/17 13:22	SCS

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
o-Terphenyl	72.6	50-150		8/8/17 13:22

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17G1436

Date Received: 7/31/2017

Field Sample #: WS-AOC8-SO-4-4 Sampled: 7/31/2017 15:08

Sample ID: 17G1436-16

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	66.4		% Wt	1		SM 2540G	8/5/17	8/7/17 6:28	MRL

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17G1436

Date Received: 7/31/2017

Field Sample #: WS-AOC8-SO-5-1 Sampled: 7/31/2017 15:10

Sample ID: 17G1436-17

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/8/17	8/24/17 22:02	TG
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/8/17	8/24/17 22:02	TG
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/8/17	8/24/17 22:02	TG
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/8/17	8/24/17 22:02	TG
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/8/17	8/24/17 22:02	TG
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/8/17	8/24/17 22:02	TG
Aroclor-1260 [2]	0.12	0.11	mg/Kg dry	5		SW-846 8082A	8/8/17	8/24/17 22:02	TG
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/8/17	8/24/17 22:02	TG
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/8/17	8/24/17 22:02	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	88.9	30-150		8/24/17 22:02
Decachlorobiphenyl [2]	92.5	30-150		8/24/17 22:02
Tetrachloro-m-xylene [1]	89.2	30-150		8/24/17 22:02
Tetrachloro-m-xylene [2]	99.7	30-150		8/24/17 22:02

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17G1436

Date Received: 7/31/2017

Field Sample #: WS-AOC8-SO-5-1 Sampled: 7/31/2017 15:10

Sample ID: 17G1436-17

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	93.3		% Wt	1		SM 2540G	8/5/17	8/7/17 6:28	MRL

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17G1436

Date Received: 7/31/2017

Field Sample #: WS-AOC8-SO-5-2 Sampled: 7/31/2017 15:12

Sample ID: 17G1436-18

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	0.071	mg/Kg dry	1		SW-846 8260C	8/2/17	8/2/17 14:46	MFF
Acrylonitrile	ND	0.0043	mg/Kg dry	1		SW-846 8260C	8/2/17	8/2/17 14:46	MFF
Benzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/2/17	8/2/17 14:46	MFF
Bromobenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/2/17	8/2/17 14:46	MFF
Bromodichloromethane	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/2/17	8/2/17 14:46	MFF
Bromoform	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/2/17	8/2/17 14:46	MFF
Bromomethane	ND	0.0071	mg/Kg dry	1		SW-846 8260C	8/2/17	8/2/17 14:46	MFF
2-Butanone (MEK)	ND	0.028	mg/Kg dry	1		SW-846 8260C	8/2/17	8/2/17 14:46	MFF
n-Butylbenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/2/17	8/2/17 14:46	MFF
sec-Butylbenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/2/17	8/2/17 14:46	MFF
tert-Butylbenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/2/17	8/2/17 14:46	MFF
Carbon Disulfide	ND	0.0043	mg/Kg dry	1		SW-846 8260C	8/2/17	8/2/17 14:46	MFF
Carbon Tetrachloride	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/2/17	8/2/17 14:46	MFF
Chlorobenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/2/17	8/2/17 14:46	MFF
Chlorodibromomethane	ND	0.00071	mg/Kg dry	1		SW-846 8260C	8/2/17	8/2/17 14:46	MFF
Chloroethane	ND	0.014	mg/Kg dry	1		SW-846 8260C	8/2/17	8/2/17 14:46	MFF
Chloroform	ND	0.0028	mg/Kg dry	1		SW-846 8260C	8/2/17	8/2/17 14:46	MFF
Chloromethane	ND	0.0071	mg/Kg dry	1		SW-846 8260C	8/2/17	8/2/17 14:46	MFF
2-Chlorotoluene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/2/17	8/2/17 14:46	MFF
4-Chlorotoluene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/2/17	8/2/17 14:46	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/2/17	8/2/17 14:46	MFF
1,2-Dibromoethane (EDB)	ND	0.00071	mg/Kg dry	1		SW-846 8260C	8/2/17	8/2/17 14:46	MFF
Dibromomethane	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/2/17	8/2/17 14:46	MFF
1,2-Dichlorobenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/2/17	8/2/17 14:46	MFF
1,3-Dichlorobenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/2/17	8/2/17 14:46	MFF
1,4-Dichlorobenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/2/17	8/2/17 14:46	MFF
trans-1,4-Dichloro-2-butene	ND	0.0028	mg/Kg dry	1		SW-846 8260C	8/2/17	8/2/17 14:46	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.014	mg/Kg dry	1	L-03	SW-846 8260C	8/2/17	8/2/17 14:46	MFF
1,1-Dichloroethane	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/2/17	8/2/17 14:46	MFF
1,2-Dichloroethane	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/2/17	8/2/17 14:46	MFF
1,1-Dichloroethylene	ND	0.0028	mg/Kg dry	1		SW-846 8260C	8/2/17	8/2/17 14:46	MFF
cis-1,2-Dichloroethylene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/2/17	8/2/17 14:46	MFF
trans-1,2-Dichloroethylene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/2/17	8/2/17 14:46	MFF
1,2-Dichloropropane	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/2/17	8/2/17 14:46	MFF
1,3-Dichloropropane	ND	0.00071	mg/Kg dry	1		SW-846 8260C	8/2/17	8/2/17 14:46	MFF
2,2-Dichloropropane	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/2/17	8/2/17 14:46	MFF
1,1-Dichloropropene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/2/17	8/2/17 14:46	MFF
cis-1,3-Dichloropropene	ND	0.00071	mg/Kg dry	1		SW-846 8260C	8/2/17	8/2/17 14:46	MFF
trans-1,3-Dichloropropene	ND	0.00071	mg/Kg dry	1		SW-846 8260C	8/2/17	8/2/17 14:46	MFF
Ethylbenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/2/17	8/2/17 14:46	MFF
Hexachlorobutadiene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/2/17	8/2/17 14:46	MFF
2-Hexanone (MBK)	ND	0.014	mg/Kg dry	1		SW-846 8260C	8/2/17	8/2/17 14:46	MFF
Isopropylbenzene (Cumene)	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/2/17	8/2/17 14:46	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/2/17	8/2/17 14:46	MFF

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17G1436

Date Received: 7/31/2017

Field Sample #: WS-AOC8-SO-5-2 Sampled: 7/31/2017 15:12

Sample ID: 17G1436-18

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	8/2/17	8/2/17 14:46	MFF
Methylene Chloride	ND	0.014	mg/Kg dry	1		SW-846 8260C	8/2/17	8/2/17 14:46	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.014	mg/Kg dry	1		SW-846 8260C	8/2/17	8/2/17 14:46	MFF
Naphthalene	ND	0.0028	mg/Kg dry	1		SW-846 8260C	8/2/17	8/2/17 14:46	MFF
n-Propylbenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/2/17	8/2/17 14:46	MFF
Styrene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/2/17	8/2/17 14:46	MFF
1,1,1,2-Tetrachloroethane	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/2/17	8/2/17 14:46	MFF
1,1,2,2-Tetrachloroethane	ND	0.0028	mg/Kg dry	1		SW-846 8260C	8/2/17	8/2/17 14:46	MFF
Tetrachloroethylene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/2/17	8/2/17 14:46	MFF
Tetrahydrofuran	ND	0.0071	mg/Kg dry	1	V-16	SW-846 8260C	8/2/17	8/2/17 14:46	MFF
Toluene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/2/17	8/2/17 14:46	MFF
1,2,3-Trichlorobenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/2/17	8/2/17 14:46	MFF
1,2,4-Trichlorobenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/2/17	8/2/17 14:46	MFF
1,1,1-Trichloroethane	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/2/17	8/2/17 14:46	MFF
1,1,2-Trichloroethane	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/2/17	8/2/17 14:46	MFF
Trichloroethylene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/2/17	8/2/17 14:46	MFF
Trichlorofluoromethane (Freon 11)	ND	0.0071	mg/Kg dry	1		SW-846 8260C	8/2/17	8/2/17 14:46	MFF
1,2,3-Trichloropropane	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/2/17	8/2/17 14:46	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0071	mg/Kg dry	1		SW-846 8260C	8/2/17	8/2/17 14:46	MFF
1,2,4-Trimethylbenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/2/17	8/2/17 14:46	MFF
1,3,5-Trimethylbenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/2/17	8/2/17 14:46	MFF
Vinyl Chloride	ND	0.0071	mg/Kg dry	1		SW-846 8260C	8/2/17	8/2/17 14:46	MFF
m+p Xylene	ND	0.0028	mg/Kg dry	1		SW-846 8260C	8/2/17	8/2/17 14:46	MFF
o-Xylene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/2/17	8/2/17 14:46	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	104	70-130		8/2/17 14:46
Toluene-d8	106	70-130		8/2/17 14:46
4-Bromofluorobenzene	104	70-130		8/2/17 14:46

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17G1436

Date Received: 7/31/2017

Field Sample #: WS-AOC8-SO-5-2 Sampled: 7/31/2017 15:12

Sample ID: 17G1436-18

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/11/17	8/11/17 12:06	BGL
Acenaphthylene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/11/17	8/11/17 12:06	BGL
Anthracene	0.27	0.19	mg/Kg dry	1		SW-846 8270D	8/11/17	8/11/17 12:06	BGL
Benzo(a)anthracene	0.85	0.19	mg/Kg dry	1		SW-846 8270D	8/11/17	8/11/17 12:06	BGL
Benzo(a)pyrene	0.74	0.19	mg/Kg dry	1		SW-846 8270D	8/11/17	8/11/17 12:06	BGL
Benzo(b)fluoranthene	0.98	0.19	mg/Kg dry	1		SW-846 8270D	8/11/17	8/11/17 12:06	BGL
Benzo(g,h,i)perylene	0.55	0.19	mg/Kg dry	1		SW-846 8270D	8/11/17	8/11/17 12:06	BGL
Benzo(k)fluoranthene	0.38	0.19	mg/Kg dry	1		SW-846 8270D	8/11/17	8/11/17 12:06	BGL
Chrysene	0.86	0.19	mg/Kg dry	1		SW-846 8270D	8/11/17	8/11/17 12:06	BGL
Dibenz(a,h)anthracene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/11/17	8/11/17 12:06	BGL
Fluoranthene	1.9	0.19	mg/Kg dry	1		SW-846 8270D	8/11/17	8/11/17 12:06	BGL
Fluorene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/11/17	8/11/17 12:06	BGL
Indeno(1,2,3-cd)pyrene	0.49	0.19	mg/Kg dry	1		SW-846 8270D	8/11/17	8/11/17 12:06	BGL
2-Methylnaphthalene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/11/17	8/11/17 12:06	BGL
Naphthalene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/11/17	8/11/17 12:06	BGL
Phenanthrene	1.6	0.19	mg/Kg dry	1		SW-846 8270D	8/11/17	8/11/17 12:06	BGL
Pyrene	1.5	0.19	mg/Kg dry	1		SW-846 8270D	8/11/17	8/11/17 12:06	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Nitrobenzene-d5	78.1	30-130		8/11/17 12:06
2-Fluorobiphenyl	77.1	30-130		8/11/17 12:06
p-Terphenyl-d14	78.7	30-130		8/11/17 12:06

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17G1436

Date Received: 7/31/2017

Field Sample #: WS-AOC8-SO-5-2 Sampled: 7/31/2017 15:12

Sample ID: 17G1436-18

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/8/17	8/24/17 22:20	TG
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/8/17	8/24/17 22:20	TG
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/8/17	8/24/17 22:20	TG
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/8/17	8/24/17 22:20	TG
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/8/17	8/24/17 22:20	TG
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/8/17	8/24/17 22:20	TG
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/8/17	8/24/17 22:20	TG
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/8/17	8/24/17 22:20	TG
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/8/17	8/24/17 22:20	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	85.9	30-150		8/24/17 22:20
Decachlorobiphenyl [2]	86.2	30-150		8/24/17 22:20
Tetrachloro-m-xylene [1]	86.3	30-150		8/24/17 22:20
Tetrachloro-m-xylene [2]	96.2	30-150		8/24/17 22:20

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17G1436

Date Received: 7/31/2017

Field Sample #: WS-AOC8-SO-5-2 Sampled: 7/31/2017 15:12

Sample ID: 17G1436-18

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	53	11	mg/Kg dry	1		CTDEP ETPH	8/7/17	8/8/17 13:40	SCS

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
o-Terphenyl	64.5	50-150		8/8/17 13:40

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17G1436

Date Received: 7/31/2017

Field Sample #: WS-AOC8-SO-5-2 Sampled: 7/31/2017 15:12

Sample ID: 17G1436-18

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	87.2		% Wt	1		SM 2540G	8/5/17	8/7/17 6:28	MRL

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17G1436

Date Received: 7/31/2017

Field Sample #: WS-AOC8-SO-5-3 Sampled: 7/31/2017 15:14

Sample ID: 17G1436-19

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/8/17	8/24/17 22:37	TG
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/8/17	8/24/17 22:37	TG
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/8/17	8/24/17 22:37	TG
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/8/17	8/24/17 22:37	TG
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/8/17	8/24/17 22:37	TG
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/8/17	8/24/17 22:37	TG
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/8/17	8/24/17 22:37	TG
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/8/17	8/24/17 22:37	TG
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/8/17	8/24/17 22:37	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	91.8	30-150		8/24/17 22:37
Decachlorobiphenyl [2]	95.2	30-150		8/24/17 22:37
Tetrachloro-m-xylene [1]	89.2	30-150		8/24/17 22:37
Tetrachloro-m-xylene [2]	99.0	30-150		8/24/17 22:37

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17G1436

Date Received: 7/31/2017

Field Sample #: WS-AOC8-SO-5-3 Sampled: 7/31/2017 15:14

Sample ID: 17G1436-19

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	89.6		% Wt	1		SM 2540G	8/5/17	8/7/17 6:28	MRL

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17G1436

Date Received: 7/31/2017

Field Sample #: Trip Blank Sampled: 7/31/2017 10:42

Sample ID: 17G1436-20

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	8/2/17	8/2/17 15:14	MFF
Acrylonitrile	ND	0.0060	mg/Kg wet	1		SW-846 8260C	8/2/17	8/2/17 15:14	MFF
Benzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/2/17	8/2/17 15:14	MFF
Bromobenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/2/17	8/2/17 15:14	MFF
Bromodichloromethane	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/2/17	8/2/17 15:14	MFF
Bromoform	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/2/17	8/2/17 15:14	MFF
Bromomethane	ND	0.010	mg/Kg wet	1		SW-846 8260C	8/2/17	8/2/17 15:14	MFF
2-Butanone (MEK)	ND	0.040	mg/Kg wet	1		SW-846 8260C	8/2/17	8/2/17 15:14	MFF
n-Butylbenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/2/17	8/2/17 15:14	MFF
sec-Butylbenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/2/17	8/2/17 15:14	MFF
tert-Butylbenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/2/17	8/2/17 15:14	MFF
Carbon Disulfide	ND	0.0060	mg/Kg wet	1		SW-846 8260C	8/2/17	8/2/17 15:14	MFF
Carbon Tetrachloride	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/2/17	8/2/17 15:14	MFF
Chlorobenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/2/17	8/2/17 15:14	MFF
Chlorodibromomethane	ND	0.0010	mg/Kg wet	1		SW-846 8260C	8/2/17	8/2/17 15:14	MFF
Chloroethane	ND	0.020	mg/Kg wet	1		SW-846 8260C	8/2/17	8/2/17 15:14	MFF
Chloroform	ND	0.0040	mg/Kg wet	1		SW-846 8260C	8/2/17	8/2/17 15:14	MFF
Chloromethane	ND	0.010	mg/Kg wet	1		SW-846 8260C	8/2/17	8/2/17 15:14	MFF
2-Chlorotoluene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/2/17	8/2/17 15:14	MFF
4-Chlorotoluene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/2/17	8/2/17 15:14	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/2/17	8/2/17 15:14	MFF
1,2-Dibromoethane (EDB)	ND	0.0010	mg/Kg wet	1		SW-846 8260C	8/2/17	8/2/17 15:14	MFF
Dibromomethane	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/2/17	8/2/17 15:14	MFF
1,2-Dichlorobenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/2/17	8/2/17 15:14	MFF
1,3-Dichlorobenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/2/17	8/2/17 15:14	MFF
1,4-Dichlorobenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/2/17	8/2/17 15:14	MFF
trans-1,4-Dichloro-2-butene	ND	0.0040	mg/Kg wet	1		SW-846 8260C	8/2/17	8/2/17 15:14	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.020	mg/Kg wet	1	L-03	SW-846 8260C	8/2/17	8/2/17 15:14	MFF
1,1-Dichloroethane	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/2/17	8/2/17 15:14	MFF
1,2-Dichloroethane	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/2/17	8/2/17 15:14	MFF
1,1-Dichloroethylene	ND	0.0040	mg/Kg wet	1		SW-846 8260C	8/2/17	8/2/17 15:14	MFF
cis-1,2-Dichloroethylene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/2/17	8/2/17 15:14	MFF
trans-1,2-Dichloroethylene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/2/17	8/2/17 15:14	MFF
1,2-Dichloropropane	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/2/17	8/2/17 15:14	MFF
1,3-Dichloropropane	ND	0.0010	mg/Kg wet	1		SW-846 8260C	8/2/17	8/2/17 15:14	MFF
2,2-Dichloropropane	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/2/17	8/2/17 15:14	MFF
1,1-Dichloropropene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/2/17	8/2/17 15:14	MFF
cis-1,3-Dichloropropene	ND	0.0010	mg/Kg wet	1		SW-846 8260C	8/2/17	8/2/17 15:14	MFF
trans-1,3-Dichloropropene	ND	0.0010	mg/Kg wet	1		SW-846 8260C	8/2/17	8/2/17 15:14	MFF
Ethylbenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/2/17	8/2/17 15:14	MFF
Hexachlorobutadiene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/2/17	8/2/17 15:14	MFF
2-Hexanone (MBK)	ND	0.020	mg/Kg wet	1		SW-846 8260C	8/2/17	8/2/17 15:14	MFF
Isopropylbenzene (Cumene)	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/2/17	8/2/17 15:14	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/2/17	8/2/17 15:14	MFF

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17G1436

Date Received: 7/31/2017

Field Sample #: Trip Blank Sampled: 7/31/2017 10:42

Sample ID: 17G1436-20

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	8/2/17	8/2/17 15:14	MFF
Methylene Chloride	ND	0.020	mg/Kg wet	1		SW-846 8260C	8/2/17	8/2/17 15:14	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.020	mg/Kg wet	1		SW-846 8260C	8/2/17	8/2/17 15:14	MFF
Naphthalene	ND	0.0040	mg/Kg wet	1		SW-846 8260C	8/2/17	8/2/17 15:14	MFF
n-Propylbenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/2/17	8/2/17 15:14	MFF
Styrene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/2/17	8/2/17 15:14	MFF
1,1,1,2-Tetrachloroethane	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/2/17	8/2/17 15:14	MFF
1,1,2,2-Tetrachloroethane	ND	0.0040	mg/Kg wet	1		SW-846 8260C	8/2/17	8/2/17 15:14	MFF
Tetrachloroethylene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/2/17	8/2/17 15:14	MFF
Tetrahydrofuran	ND	0.010	mg/Kg wet	1	V-16	SW-846 8260C	8/2/17	8/2/17 15:14	MFF
Toluene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/2/17	8/2/17 15:14	MFF
1,2,3-Trichlorobenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/2/17	8/2/17 15:14	MFF
1,2,4-Trichlorobenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/2/17	8/2/17 15:14	MFF
1,1,1-Trichloroethane	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/2/17	8/2/17 15:14	MFF
1,1,2-Trichloroethane	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/2/17	8/2/17 15:14	MFF
Trichloroethylene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/2/17	8/2/17 15:14	MFF
Trichlorofluoromethane (Freon 11)	ND	0.010	mg/Kg wet	1		SW-846 8260C	8/2/17	8/2/17 15:14	MFF
1,2,3-Trichloropropane	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/2/17	8/2/17 15:14	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.010	mg/Kg wet	1		SW-846 8260C	8/2/17	8/2/17 15:14	MFF
1,2,4-Trimethylbenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/2/17	8/2/17 15:14	MFF
1,3,5-Trimethylbenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/2/17	8/2/17 15:14	MFF
Vinyl Chloride	ND	0.010	mg/Kg wet	1		SW-846 8260C	8/2/17	8/2/17 15:14	MFF
m+p Xylene	ND	0.0040	mg/Kg wet	1		SW-846 8260C	8/2/17	8/2/17 15:14	MFF
o-Xylene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/2/17	8/2/17 15:14	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	100	70-130		8/2/17 15:14
Toluene-d8	107	70-130		8/2/17 15:14
4-Bromofluorobenzene	105	70-130		8/2/17 15:14

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Sample Extraction Data

Prep Method: SW-846 3546-CTDEP ETPH

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17G1436-01 [WS-AOC9-SO-28-4B]	B183455	30.0	1.00	08/07/17
17G1436-03 [WS-AOC8-SO-1-2]	B183455	30.0	1.00	08/07/17
17G1436-06 [WS-AOC8-SO-2-1B]	B183455	30.0	1.00	08/07/17
17G1436-10 [WS-AOC8-SO-3-1B]	B183455	30.0	1.00	08/07/17
17G1436-16 [WS-AOC8-SO-4-4]	B183455	30.0	1.00	08/07/17
17G1436-18 [WS-AOC8-SO-5-2]	B183455	30.0	1.00	08/07/17

Prep Method: % Solids-SM 2540G

Lab Number [Field ID]	Batch	Date
17G1436-01 [WS-AOC9-SO-28-4B]	B183388	08/05/17
17G1436-02 [WS-AOC8-SO-1-1]	B183388	08/05/17
17G1436-03 [WS-AOC8-SO-1-2]	B183388	08/05/17
17G1436-04 [WS-AOC8-SO-1-3]	B183388	08/05/17
17G1436-05 [WS-AOC8-SO-2-1A]	B183388	08/05/17
17G1436-06 [WS-AOC8-SO-2-1B]	B183388	08/05/17
17G1436-07 [WS-AOC8-SO-2-2]	B183388	08/05/17
17G1436-08 [WS-AOC8-SO-2-3]	B183388	08/05/17
17G1436-09 [WS-AOC8-SO-3-1A]	B183388	08/05/17
17G1436-10 [WS-AOC8-SO-3-1B]	B183388	08/05/17
17G1436-11 [WS-AOC8-SO-3-2]	B183388	08/05/17
17G1436-12 [WS-AOC8-SO-3-3]	B183388	08/05/17
17G1436-13 [WS-AOC8-SO-4-1]	B183388	08/05/17
17G1436-14 [WS-AOC8-SO-4-2]	B183388	08/05/17
17G1436-15 [WS-AOC8-SO-4-3]	B183388	08/05/17
17G1436-16 [WS-AOC8-SO-4-4]	B183388	08/05/17
17G1436-17 [WS-AOC8-SO-5-1]	B183388	08/05/17
17G1436-18 [WS-AOC8-SO-5-2]	B183388	08/05/17
17G1436-19 [WS-AOC8-SO-5-3]	B183388	08/05/17

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17G1436-02 [WS-AOC8-SO-1-1]	B183607	10.0	10.0	08/08/17
17G1436-03 [WS-AOC8-SO-1-2]	B183607	10.0	10.0	08/08/17
17G1436-04 [WS-AOC8-SO-1-3]	B183607	10.0	10.0	08/08/17
17G1436-05 [WS-AOC8-SO-2-1A]	B183607	10.0	10.0	08/08/17
17G1436-07 [WS-AOC8-SO-2-2]	B183607	10.0	10.0	08/08/17
17G1436-08 [WS-AOC8-SO-2-3]	B183607	10.0	10.0	08/08/17
17G1436-09 [WS-AOC8-SO-3-1A]	B183607	10.0	10.0	08/08/17
17G1436-11 [WS-AOC8-SO-3-2]	B183607	10.0	10.0	08/08/17
17G1436-12 [WS-AOC8-SO-3-3]	B183607	10.0	10.0	08/08/17
17G1436-13 [WS-AOC8-SO-4-1]	B183607	10.0	10.0	08/08/17
17G1436-14 [WS-AOC8-SO-4-2]	B183607	10.0	10.0	08/08/17
17G1436-15 [WS-AOC8-SO-4-3]	B183607	10.0	10.0	08/08/17
17G1436-16 [WS-AOC8-SO-4-4]	B183607	10.0	10.0	08/08/17
17G1436-17 [WS-AOC8-SO-5-1]	B183607	10.0	10.0	08/08/17
17G1436-18 [WS-AOC8-SO-5-2]	B183607	10.0	10.0	08/08/17
17G1436-19 [WS-AOC8-SO-5-3]	B183607	10.0	10.0	08/08/17

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Sample Extraction Data

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17G1436-03 [WS-AOC8-SO-1-2]	B183153	7.46	10.0	08/02/17
17G1436-18 [WS-AOC8-SO-5-2]	B183153	8.08	10.0	08/02/17
17G1436-20 [Trip Blank]	B183153	5.00	10.0	08/02/17

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17G1436-01 [WS-AOC9-SO-28-4B]	B183610	30.0	1.00	08/08/17
17G1436-03 [WS-AOC8-SO-1-2]	B183610	30.0	1.00	08/08/17
17G1436-06 [WS-AOC8-SO-2-1B]	B183610	30.0	1.00	08/08/17
17G1436-06RE1 [WS-AOC8-SO-2-1B]	B183610	30.0	1.00	08/08/17
17G1436-10 [WS-AOC8-SO-3-1B]	B183610	30.0	1.00	08/08/17
17G1436-16 [WS-AOC8-SO-4-4]	B183610	30.0	1.00	08/08/17

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17G1436-18RE1 [WS-AOC8-SO-5-2]	B183867	30.0	1.00	08/11/17

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B183153 - SW-846 5035										
Blank (B183153-BLK1)				Prepared & Analyzed: 08/02/17						
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							L-03
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
Batch B183153 - SW-846 5035											
Blank (B183153-BLK1)				Prepared & Analyzed: 08/02/17							
Tetrachloroethylene	ND	0.0020	mg/Kg wet								
Tetrahydrofuran	ND	0.010	mg/Kg wet								V-16
Toluene	ND	0.0020	mg/Kg wet								
1,2,3-Trichlorobenzene	ND	0.0020	mg/Kg wet								
1,2,4-Trichlorobenzene	ND	0.0020	mg/Kg wet								
1,1,1-Trichloroethane	ND	0.0020	mg/Kg wet								
1,1,2-Trichloroethane	ND	0.0020	mg/Kg wet								
Trichloroethylene	ND	0.0020	mg/Kg wet								
Trichlorofluoromethane (Freon 11)	ND	0.010	mg/Kg wet								
1,2,3-Trichloropropane	ND	0.0020	mg/Kg wet								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.010	mg/Kg wet								
1,2,4-Trimethylbenzene	ND	0.0020	mg/Kg wet								
1,3,5-Trimethylbenzene	ND	0.0020	mg/Kg wet								
Vinyl Chloride	ND	0.010	mg/Kg wet								
m+p Xylene	ND	0.0040	mg/Kg wet								
o-Xylene	ND	0.0020	mg/Kg wet								
Surrogate: 1,2-Dichloroethane-d4	*0.0500*		mg/Kg wet	0.0500		100		70-130			
Surrogate: Toluene-d8	*0.0521*		mg/Kg wet	0.0500		104		70-130			
Surrogate: 4-Bromofluorobenzene	*0.0517*		mg/Kg wet	0.0500		103		70-130			
LCS (B183153-BS1)				Prepared & Analyzed: 08/02/17							
Acetone	0.181	0.10	mg/Kg wet	0.200		90.3		70-130			
Acrylonitrile	0.0253	0.0060	mg/Kg wet	0.0200		127		70-130			
Benzene	0.0198	0.0020	mg/Kg wet	0.0200		99.0		70-130			
Bromobenzene	0.0183	0.0020	mg/Kg wet	0.0200		91.6		70-130			
Bromodichloromethane	0.0182	0.0020	mg/Kg wet	0.0200		90.8		70-130			
Bromoform	0.0179	0.0020	mg/Kg wet	0.0200		89.7		70-130			
Bromomethane	0.0157	0.010	mg/Kg wet	0.0200		78.6		70-130			
2-Butanone (MEK)	0.241	0.040	mg/Kg wet	0.200		121		70-130			
n-Butylbenzene	0.0198	0.0020	mg/Kg wet	0.0200		99.0		70-130			
sec-Butylbenzene	0.0221	0.0020	mg/Kg wet	0.0200		110		70-130			
tert-Butylbenzene	0.0212	0.0020	mg/Kg wet	0.0200		106		70-130			
Carbon Disulfide	0.0206	0.0060	mg/Kg wet	0.0200		103		70-130			
Carbon Tetrachloride	0.0200	0.0020	mg/Kg wet	0.0200		99.9		70-130			
Chlorobenzene	0.0183	0.0020	mg/Kg wet	0.0200		91.6		70-130			
Chlorodibromomethane	0.0204	0.0010	mg/Kg wet	0.0200		102		70-130			
Chloroethane	0.0177	0.020	mg/Kg wet	0.0200		88.3		70-130			
Chloroform	0.0189	0.0040	mg/Kg wet	0.0200		94.4		70-130			
Chloromethane	0.0175	0.010	mg/Kg wet	0.0200		87.3		70-130			
2-Chlorotoluene	0.0198	0.0020	mg/Kg wet	0.0200		99.2		70-130			
4-Chlorotoluene	0.0188	0.0020	mg/Kg wet	0.0200		93.8		70-130			
1,2-Dibromo-3-chloropropane (DBCP)	0.0211	0.0020	mg/Kg wet	0.0200		105		70-130			
1,2-Dibromoethane (EDB)	0.0199	0.0010	mg/Kg wet	0.0200		99.6		70-130			
Dibromomethane	0.0198	0.0020	mg/Kg wet	0.0200		98.9		70-130			
1,2-Dichlorobenzene	0.0196	0.0020	mg/Kg wet	0.0200		97.9		70-130			
1,3-Dichlorobenzene	0.0204	0.0020	mg/Kg wet	0.0200		102		70-130			
1,4-Dichlorobenzene	0.0193	0.0020	mg/Kg wet	0.0200		96.7		70-130			
trans-1,4-Dichloro-2-butene	0.0215	0.0040	mg/Kg wet	0.0200		108		70-130			
Dichlorodifluoromethane (Freon 12)	0.0125	0.020	mg/Kg wet	0.0200		**62.4**	*	70-130			L-03
1,1-Dichloroethane	0.0226	0.0020	mg/Kg wet	0.0200		113		70-130			
1,2-Dichloroethane	0.0218	0.0020	mg/Kg wet	0.0200		109		70-130			
1,1-Dichloroethylene	0.0211	0.0040	mg/Kg wet	0.0200		105		70-130			

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes
Batch B183153 - SW-846 5035											
LCS (B183153-BS1)				Prepared & Analyzed: 08/02/17							
cis-1,2-Dichloroethylene	0.0207	0.0020	mg/Kg wet	0.0200		104		70-130			
trans-1,2-Dichloroethylene	0.0261	0.0020	mg/Kg wet	0.0200		**131**	*	70-130			L-01
1,2-Dichloropropane	0.0226	0.0020	mg/Kg wet	0.0200		113		70-130			
1,3-Dichloropropane	0.0192	0.0010	mg/Kg wet	0.0200		96.2		70-130			
2,2-Dichloropropane	0.0205	0.0020	mg/Kg wet	0.0200		102		70-130			
1,1-Dichloropropene	0.0197	0.0020	mg/Kg wet	0.0200		98.5		70-130			
cis-1,3-Dichloropropene	0.0184	0.0010	mg/Kg wet	0.0200		91.9		70-130			
trans-1,3-Dichloropropene	0.0198	0.0010	mg/Kg wet	0.0200		99.2		70-130			
Ethylbenzene	0.0186	0.0020	mg/Kg wet	0.0200		93.1		70-130			
Hexachlorobutadiene	0.0231	0.0020	mg/Kg wet	0.0200		115		70-130			
2-Hexanone (MBK)	0.245	0.020	mg/Kg wet	0.200		122		70-130			
Isopropylbenzene (Cumene)	0.0211	0.0020	mg/Kg wet	0.0200		106		70-130			
p-Isopropyltoluene (p-Cymene)	0.0208	0.0020	mg/Kg wet	0.0200		104		70-130			
Methyl tert-Butyl Ether (MTBE)	0.0193	0.0040	mg/Kg wet	0.0200		96.7		70-130			
Methylene Chloride	0.0240	0.020	mg/Kg wet	0.0200		120		70-130			
4-Methyl-2-pentanone (MIBK)	0.247	0.020	mg/Kg wet	0.200		124		70-130			
Naphthalene	0.0181	0.0040	mg/Kg wet	0.0200		90.3		70-130			
n-Propylbenzene	0.0194	0.0020	mg/Kg wet	0.0200		97.0		70-130			
Styrene	0.0195	0.0020	mg/Kg wet	0.0200		97.3		70-130			
1,1,1,2-Tetrachloroethane	0.0189	0.0020	mg/Kg wet	0.0200		94.6		70-130			
1,1,2,2-Tetrachloroethane	0.0185	0.0010	mg/Kg wet	0.0200		92.6		70-130			
Tetrachloroethylene	0.0230	0.0020	mg/Kg wet	0.0200		115		70-130			
Tetrahydrofuran	0.0191	0.010	mg/Kg wet	0.0200		95.4		70-130			
Toluene	0.0204	0.0020	mg/Kg wet	0.0200		102		70-130			
1,2,3-Trichlorobenzene	0.0188	0.0020	mg/Kg wet	0.0200		94.1		70-130			
1,2,4-Trichlorobenzene	0.0200	0.0020	mg/Kg wet	0.0200		100		70-130			
1,1,1-Trichloroethane	0.0210	0.0020	mg/Kg wet	0.0200		105		70-130			
1,1,2-Trichloroethane	0.0193	0.0020	mg/Kg wet	0.0200		96.7		70-130			
Trichloroethylene	0.0202	0.0020	mg/Kg wet	0.0200		101		70-130			
Trichlorofluoromethane (Freon 11)	0.0209	0.010	mg/Kg wet	0.0200		104		70-130			
1,2,3-Trichloropropane	0.0203	0.0020	mg/Kg wet	0.0200		102		70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.0209	0.010	mg/Kg wet	0.0200		104		70-130			
1,2,4-Trimethylbenzene	0.0206	0.0020	mg/Kg wet	0.0200		103		70-130			
1,3,5-Trimethylbenzene	0.0200	0.0020	mg/Kg wet	0.0200		100		70-130			
Vinyl Chloride	0.0179	0.010	mg/Kg wet	0.0200		89.3		70-130			
m+p Xylene	0.0381	0.0040	mg/Kg wet	0.0400		95.2		70-130			
o-Xylene	0.0187	0.0020	mg/Kg wet	0.0200		93.4		70-130			
Surrogate: 1,2-Dichloroethane-d4	*0.0520*		mg/Kg wet	0.0500		104		70-130			
Surrogate: Toluene-d8	*0.0537*		mg/Kg wet	0.0500		107		70-130			
Surrogate: 4-Bromofluorobenzene	*0.0519*		mg/Kg wet	0.0500		104		70-130			

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B183610 - SW-846 3546										
Blank (B183610-BLK1)				Prepared: 08/08/17 Analyzed: 08/09/17						
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	*3.00*		mg/Kg wet	3.33		89.9	30-130			
Surrogate: 2-Fluorobiphenyl	*3.02*		mg/Kg wet	3.33		90.6	30-130			
Surrogate: p-Terphenyl-d14	*3.71*		mg/Kg wet	3.33		111	30-130			
LCS (B183610-BS1)				Prepared: 08/08/17 Analyzed: 08/09/17						
Acenaphthene	1.20	0.17	mg/Kg wet	1.67		71.9	40-140			
Acenaphthylene	1.20	0.17	mg/Kg wet	1.67		72.0	40-140			
Anthracene	1.21	0.17	mg/Kg wet	1.67		72.6	40-140			
Benzo(a)anthracene	1.28	0.17	mg/Kg wet	1.67		76.6	40-140			
Benzo(a)pyrene	1.28	0.17	mg/Kg wet	1.67		77.0	40-140			
Benzo(b)fluoranthene	1.18	0.17	mg/Kg wet	1.67		70.9	40-140			
Benzo(g,h,i)perylene	1.47	0.17	mg/Kg wet	1.67		88.3	40-140			
Benzo(k)fluoranthene	1.17	0.17	mg/Kg wet	1.67		70.0	40-140			
Chrysene	1.26	0.17	mg/Kg wet	1.67		75.7	40-140			
Dibenz(a,h)anthracene	1.41	0.17	mg/Kg wet	1.67		84.3	40-140			
Fluoranthene	1.20	0.17	mg/Kg wet	1.67		71.7	40-140			
Fluorene	1.26	0.17	mg/Kg wet	1.67		75.5	40-140			
Indeno(1,2,3-cd)pyrene	1.38	0.17	mg/Kg wet	1.67		83.0	40-140			
2-Methylnaphthalene	1.26	0.17	mg/Kg wet	1.67		75.9	40-140			
Naphthalene	1.19	0.17	mg/Kg wet	1.67		71.4	40-140			
Phenanthrene	1.22	0.17	mg/Kg wet	1.67		73.4	40-140			
Pyrene	1.32	0.17	mg/Kg wet	1.67		79.3	40-140			
Surrogate: Nitrobenzene-d5	*2.88*		mg/Kg wet	3.33		86.4	30-130			
Surrogate: 2-Fluorobiphenyl	*3.13*		mg/Kg wet	3.33		94.0	30-130			
Surrogate: p-Terphenyl-d14	*3.42*		mg/Kg wet	3.33		103	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 B183610 - SW-846 3546										
LCS Dup (B183610-BSD1)				Prepared: 08/08/17 Analyzed: 08/09/17						
Acenaphthene	1.16	0.17	mg/Kg wet	1.67		69.5	40-140	3.40	30	
Acenaphthylene	1.15	0.17	mg/Kg wet	1.67		69.2	40-140	3.88	30	
Anthracene	1.20	0.17	mg/Kg wet	1.67		71.9	40-140	0.997	30	
Benzo(a)anthracene	1.24	0.17	mg/Kg wet	1.67		74.2	40-140	3.26	30	
Benzo(a)pyrene	1.24	0.17	mg/Kg wet	1.67		74.1	40-140	3.76	30	
Benzo(b)fluoranthene	1.04	0.17	mg/Kg wet	1.67		62.5	40-140	12.7	30	
Benzo(g,h,i)perylene	1.45	0.17	mg/Kg wet	1.67		87.1	40-140	1.35	30	
Benzo(k)fluoranthene	1.15	0.17	mg/Kg wet	1.67		68.7	40-140	1.90	30	
Chrysene	1.21	0.17	mg/Kg wet	1.67		72.5	40-140	4.34	30	
Dibenz(a,h)anthracene	1.40	0.17	mg/Kg wet	1.67		83.7	40-140	0.738	30	
Fluoranthene	1.15	0.17	mg/Kg wet	1.67		68.8	40-140	4.10	30	
Fluorene	1.19	0.17	mg/Kg wet	1.67		71.5	40-140	5.47	30	
Indeno(1,2,3-cd)pyrene	1.28	0.17	mg/Kg wet	1.67		76.8	40-140	7.73	30	
2-Methylnaphthalene	1.23	0.17	mg/Kg wet	1.67		73.7	40-140	2.97	30	
Naphthalene	1.17	0.17	mg/Kg wet	1.67		70.3	40-140	1.55	30	
Phenanthrene	1.20	0.17	mg/Kg wet	1.67		72.2	40-140	1.73	30	
Pyrene	1.27	0.17	mg/Kg wet	1.67		76.1	40-140	4.14	30	
Surrogate: Nitrobenzene-d5	*2.88*		mg/Kg wet	3.33		86.3	30-130			
Surrogate: 2-Fluorobiphenyl	*2.97*		mg/Kg wet	3.33		89.1	30-130			
Surrogate: p-Terphenyl-d14	*3.23*		mg/Kg wet	3.33		97.0	30-130			
Matrix Spike (B183610-MS1)	**Source: 17G1436-03**			Prepared: 08/08/17 Analyzed: 08/09/17						
Acenaphthene	1.13	0.18	mg/Kg dry	1.72	ND	65.5	40-140			
Acenaphthylene	1.12	0.18	mg/Kg dry	1.72	ND	65.1	40-140			
Anthracene	1.12	0.18	mg/Kg dry	1.72	ND	64.9	40-140			
Benzo(a)anthracene	1.29	0.18	mg/Kg dry	1.72	0.136	67.1	40-140			
Benzo(a)pyrene	1.29	0.18	mg/Kg dry	1.72	0.150	66.2	40-140			
Benzo(b)fluoranthene	1.21	0.18	mg/Kg dry	1.72	0.187	59.7	40-140			
Benzo(g,h,i)perylene	1.40	0.18	mg/Kg dry	1.72	0.140	73.0	40-140			
Benzo(k)fluoranthene	1.15	0.18	mg/Kg dry	1.72	0.0623	62.9	40-140			
Chrysene	1.26	0.18	mg/Kg dry	1.72	0.123	65.8	40-140			
Dibenz(a,h)anthracene	1.29	0.18	mg/Kg dry	1.72	ND	74.9	40-140			
Fluoranthene	1.39	0.18	mg/Kg dry	1.72	0.209	68.9	40-140			
Fluorene	1.14	0.18	mg/Kg dry	1.72	ND	66.0	40-140			
Indeno(1,2,3-cd)pyrene	1.23	0.18	mg/Kg dry	1.72	0.129	64.2	40-140			
2-Methylnaphthalene	1.15	0.18	mg/Kg dry	1.72	ND	67.0	40-140			
Naphthalene	1.13	0.18	mg/Kg dry	1.72	ND	65.8	40-140			
Phenanthrene	1.18	0.18	mg/Kg dry	1.72	ND	68.4	40-140			
Pyrene	1.65	0.18	mg/Kg dry	1.72	0.225	82.7	40-140			
Surrogate: Nitrobenzene-d5	*2.82*		mg/Kg dry	3.44		81.8	30-130			
Surrogate: 2-Fluorobiphenyl	*2.84*		mg/Kg dry	3.44		82.5	30-130			
Surrogate: p-Terphenyl-d14	*3.37*		mg/Kg dry	3.44		97.8	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 B183610 - SW-846 3546										
Matrix Spike Dup (B183610-MSD1)		**Source: 17G1436-03**		Prepared: 08/08/17 Analyzed: 08/09/17						
Acenaphthene	1.13	0.18	mg/Kg dry	1.72	ND	65.7	40-140	0.244	30	
Acenaphthylene	1.14	0.18	mg/Kg dry	1.72	ND	66.0	40-140	1.37	30	
Anthracene	1.16	0.18	mg/Kg dry	1.72	ND	67.6	40-140	4.17	30	
Benzo(a)anthracene	1.31	0.18	mg/Kg dry	1.72	0.136	68.4	40-140	1.77	30	
Benzo(a)pyrene	1.29	0.18	mg/Kg dry	1.72	0.150	66.3	40-140	0.160	30	
Benzo(b)fluoranthene	1.18	0.18	mg/Kg dry	1.72	0.187	57.6	40-140	2.94	30	
Benzo(g,h,i)perylene	1.38	0.18	mg/Kg dry	1.72	0.140	72.1	40-140	1.11	30	
Benzo(k)fluoranthene	1.16	0.18	mg/Kg dry	1.72	0.0623	63.9	40-140	1.40	30	
Chrysene	1.27	0.18	mg/Kg dry	1.72	0.123	66.8	40-140	1.36	30	
Dibenz(a,h)anthracene	1.29	0.18	mg/Kg dry	1.72	ND	74.7	40-140	0.187	30	
Fluoranthene	1.43	0.18	mg/Kg dry	1.72	0.209	70.8	40-140	2.41	30	
Fluorene	1.15	0.18	mg/Kg dry	1.72	ND	66.5	40-140	0.724	30	
Indeno(1,2,3-cd)pyrene	1.29	0.18	mg/Kg dry	1.72	0.129	67.7	40-140	4.77	30	
2-Methylnaphthalene	1.15	0.18	mg/Kg dry	1.72	ND	66.8	40-140	0.239	30	
Naphthalene	1.11	0.18	mg/Kg dry	1.72	ND	64.5	40-140	2.09	30	
Phenanthrene	1.23	0.18	mg/Kg dry	1.72	ND	71.5	40-140	4.35	30	
Pyrene	1.62	0.18	mg/Kg dry	1.72	0.225	80.8	40-140	1.94	30	
Surrogate: Nitrobenzene-d5	*2.78*		mg/Kg dry	3.44		80.8	30-130			
Surrogate: 2-Fluorobiphenyl	*2.88*		mg/Kg dry	3.44		83.7	30-130			
Surrogate: p-Terphenyl-d14	*3.32*		mg/Kg dry	3.44		96.5	30-130			
Batch B183867 - SW-846 3546										
Blank (B183867-BLK1)				Prepared & 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	*2.79*		mg/Kg wet	3.33		83.6	30-130			
Surrogate: 2-Fluorobiphenyl	*3.00*		mg/Kg wet	3.33		89.9	30-130			
Surrogate: p-Terphenyl-d14	*3.52*		mg/Kg wet	3.33		106	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 B183867 - SW-846 3546										
LCS (B183867-BS1)				Prepared & Analyzed: 08/11/17						
Acenaphthene	1.36	0.17	mg/Kg wet	1.67		81.5	40-140			
Acenaphthylene	1.35	0.17	mg/Kg wet	1.67		81.1	40-140			
Anthracene	1.45	0.17	mg/Kg wet	1.67		87.2	40-140			
Benzo(a)anthracene	1.49	0.17	mg/Kg wet	1.67		89.6	40-140			
Benzo(a)pyrene	1.49	0.17	mg/Kg wet	1.67		89.2	40-140			
Benzo(b)fluoranthene	1.30	0.17	mg/Kg wet	1.67		78.2	40-140			
Benzo(g,h,i)perylene	1.78	0.17	mg/Kg wet	1.67		107	40-140			
Benzo(k)fluoranthene	1.36	0.17	mg/Kg wet	1.67		81.3	40-140			
Chrysene	1.47	0.17	mg/Kg wet	1.67		88.1	40-140			
Dibenz(a,h)anthracene	1.74	0.17	mg/Kg wet	1.67		105	40-140			
Fluoranthene	1.51	0.17	mg/Kg wet	1.67		90.7	40-140			
Fluorene	1.46	0.17	mg/Kg wet	1.67		87.3	40-140			
Indeno(1,2,3-cd)pyrene	1.67	0.17	mg/Kg wet	1.67		100	40-140			
2-Methylnaphthalene	1.30	0.17	mg/Kg wet	1.67		78.2	40-140			
Naphthalene	1.14	0.17	mg/Kg wet	1.67		68.3	40-140			
Phenanthrene	1.45	0.17	mg/Kg wet	1.67		86.8	40-140			
Pyrene	1.42	0.17	mg/Kg wet	1.67		85.2	40-140			
Surrogate: Nitrobenzene-d5	*2.78*		mg/Kg wet	3.33		83.5	30-130			
Surrogate: 2-Fluorobiphenyl	*3.32*		mg/Kg wet	3.33		99.7	30-130			
Surrogate: p-Terphenyl-d14	*3.74*		mg/Kg wet	3.33		112	30-130			
LCS Dup (B183867-BSD1)				Prepared & Analyzed: 08/11/17						
Acenaphthene	1.27	0.17	mg/Kg wet	1.67		76.2	40-140	6.62	30	
Acenaphthylene	1.27	0.17	mg/Kg wet	1.67		76.3	40-140	6.05	30	
Anthracene	1.39	0.17	mg/Kg wet	1.67		83.3	40-140	4.48	30	
Benzo(a)anthracene	1.45	0.17	mg/Kg wet	1.67		87.0	40-140	2.90	30	
Benzo(a)pyrene	1.47	0.17	mg/Kg wet	1.67		88.0	40-140	1.31	30	
Benzo(b)fluoranthene	1.27	0.17	mg/Kg wet	1.67		76.4	40-140	2.28	30	
Benzo(g,h,i)perylene	1.75	0.17	mg/Kg wet	1.67		105	40-140	1.85	30	
Benzo(k)fluoranthene	1.35	0.17	mg/Kg wet	1.67		81.0	40-140	0.419	30	
Chrysene	1.41	0.17	mg/Kg wet	1.67		84.4	40-140	4.29	30	
Dibenz(a,h)anthracene	1.69	0.17	mg/Kg wet	1.67		101	40-140	3.05	30	
Fluoranthene	1.43	0.17	mg/Kg wet	1.67		85.6	40-140	5.83	30	
Fluorene	1.36	0.17	mg/Kg wet	1.67		81.9	40-140	6.48	30	
Indeno(1,2,3-cd)pyrene	1.59	0.17	mg/Kg wet	1.67		95.6	40-140	4.86	30	
2-Methylnaphthalene	1.17	0.17	mg/Kg wet	1.67		70.2	40-140	10.8	30	
Naphthalene	1.04	0.17	mg/Kg wet	1.67		62.6	40-140	8.62	30	
Phenanthrene	1.39	0.17	mg/Kg wet	1.67		83.3	40-140	4.21	30	
Pyrene	1.36	0.17	mg/Kg wet	1.67		81.9	40-140	3.95	30	
Surrogate: Nitrobenzene-d5	*2.66*		mg/Kg wet	3.33		79.9	30-130			
Surrogate: 2-Fluorobiphenyl	*3.18*		mg/Kg wet	3.33		95.3	30-130			
Surrogate: p-Terphenyl-d14	*3.59*		mg/Kg wet	3.33		108	30-130			

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QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B183607 - SW-846 3540C										
Blank (B183607-BLK1)				Prepared: 08/08/17 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	*0.178*		mg/Kg wet	0.200		88.9	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.175*		mg/Kg wet	0.200		87.6	30-150			
Surrogate: Tetrachloro-m-xylene	*0.170*		mg/Kg wet	0.200		85.1	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.187*		mg/Kg wet	0.200		93.6	30-150			
LCS (B183607-BS1)				Prepared: 08/08/17 Analyzed: 08/24/17						
Aroclor-1016	0.16	0.020	mg/Kg wet	0.200		80.3	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]	0.14	0.020	mg/Kg wet	0.200		71.7	40-140			
Surrogate: Decachlorobiphenyl	*0.175*		mg/Kg wet	0.200		87.6	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.175*		mg/Kg wet	0.200		87.4	30-150			
Surrogate: Tetrachloro-m-xylene	*0.172*		mg/Kg wet	0.200		86.1	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.188*		mg/Kg wet	0.200		93.8	30-150			
LCS Dup (B183607-BSD1)				Prepared: 08/08/17 Analyzed: 08/24/17						
Aroclor-1016	0.16	0.020	mg/Kg wet	0.200		81.0	40-140	0.789	30	
Aroclor-1016 [2C]	0.17	0.020	mg/Kg wet	0.200		85.5	40-140	3.27	30	
Aroclor-1260	0.15	0.020	mg/Kg wet	0.200		75.8	40-140	4.16	30	
Aroclor-1260 [2C]	0.15	0.020	mg/Kg wet	0.200		73.9	40-140	3.02	30	
Surrogate: Decachlorobiphenyl	*0.184*		mg/Kg wet	0.200		91.8	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.180*		mg/Kg wet	0.200		90.2	30-150			
Surrogate: Tetrachloro-m-xylene	*0.173*		mg/Kg wet	0.200		86.5	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.188*		mg/Kg wet	0.200		94.2	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 B183607 - SW-846 3540C										
Matrix Spike (B183607-MS1)		**Source: 17G1436-07**		Prepared: 08/08/17 Analyzed: 08/25/17						
Aroclor-1016	0.19	0.11	mg/Kg dry	0.210	ND	90.6	40-140			
Aroclor-1016 [2C]	0.22	0.11	mg/Kg dry	0.210	ND	107	40-140			
Aroclor-1260	0.18	0.11	mg/Kg dry	0.210	ND	84.6	40-140			
Aroclor-1260 [2C]	0.21	0.11	mg/Kg dry	0.210	ND	98.0	40-140			
Surrogate: Decachlorobiphenyl	*0.194*		mg/Kg dry	0.210		92.5	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.194*		mg/Kg dry	0.210		92.1	30-150			
Surrogate: Tetrachloro-m-xylene	*0.173*		mg/Kg dry	0.210		82.4	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.196*		mg/Kg dry	0.210		93.4	30-150			
Matrix Spike Dup (B183607-MSD1)		**Source: 17G1436-07**		Prepared: 08/08/17 Analyzed: 08/25/17						
Aroclor-1016	0.20	0.11	mg/Kg dry	0.210	ND	93.4	40-140	3.05	50	
Aroclor-1016 [2C]	0.23	0.11	mg/Kg dry	0.210	ND	108	40-140	1.56	50	
Aroclor-1260	0.18	0.11	mg/Kg dry	0.210	ND	84.8	40-140	0.230	50	
Aroclor-1260 [2C]	0.21	0.11	mg/Kg dry	0.210	ND	99.7	40-140	1.71	50	
Surrogate: Decachlorobiphenyl	*0.192*		mg/Kg dry	0.210		91.4	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.190*		mg/Kg dry	0.210		90.6	30-150			
Surrogate: Tetrachloro-m-xylene	*0.184*		mg/Kg dry	0.210		87.6	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.206*		mg/Kg dry	0.210		98.1	30-150			

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QUALITY CONTROL

Petroleum Hydrocarbons Analyses - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes
Batch B183455 - SW-846 3546											
Blank (B183455-BLK1)				Prepared: 08/07/17 Analyzed: 08/08/17							
CT ETPH	ND	10	mg/Kg wet								
Surrogate: o-Terphenyl	*2.32*		mg/Kg wet	3.33		69.5		50-150			
LCS (B183455-BS1)				Prepared: 08/07/17 Analyzed: 08/08/17							
CT ETPH	21.1	10	mg/Kg wet	33.3		63.3		60-120			
Surrogate: o-Terphenyl	*2.40*		mg/Kg wet	3.33		72.1		50-150			
LCS Dup (B183455-BSD1)				Prepared: 08/07/17 Analyzed: 08/08/17							
CT ETPH	19.7	10	mg/Kg wet	33.3		**59.1**	*	60-120	6.83	30	L-07
Surrogate: o-Terphenyl	*2.24*		mg/Kg wet	3.33		67.2		50-150			
Matrix Spike (B183455-MS1)		**Source: 17G1436-03**		Prepared: 08/07/17 Analyzed: 08/08/17							
CT ETPH	35.1	10	mg/Kg dry	34.4	14.1	61.1		50-150			
Surrogate: o-Terphenyl	*2.35*		mg/Kg dry	3.44		68.1		50-150			
Matrix Spike Dup (B183455-MSD1)		**Source: 17G1436-03**		Prepared: 08/07/17 Analyzed: 08/08/17							
CT ETPH	33.0	10	mg/Kg dry	34.4	14.1	55.0		50-150	6.15	30	
Surrogate: o-Terphenyl	*2.31*		mg/Kg dry	3.44		67.2		50-150			

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QUALITY CONTROL

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B183388 - % Solids										
Duplicate (B183388-DUP7)		**Source: 17G1436-07**		Prepared: 08/05/17 Analyzed: 08/07/17						
% Solids	95.2		% Wt		95.2			0.00	20	

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC8-SO-1-1

Lab Sample ID: 17G1436-02

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	0.20	
	2	0.000	-0.030	0.030	0.23	14.0

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC8-SO-2-1A

Lab Sample ID: 17G1436-05

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	0.38	
	2	0.000	-0.030	0.030	0.41	7.6

con-test® ANALYTICAL LABORATORY

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC8-SO-3-1A

Lab Sample ID: 17G1436-09

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-1260	1	0.000	-0.030	0.030	0.18	
	2	0.000	-0.030	0.030	0.22	20.0

con-test® ANALYTICAL LABORATORY

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

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC8-SO-4-1

Lab Sample ID: 17G1436-13

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

Instrument ID (1):

Instrument ID (2):

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	-0.030	0.030	3.2	
	2	0.000	-0.030	0.030	3.4	6.1

con-test® ANALYTICAL LABORATORY

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC8-SO-4-2

Lab Sample ID: 17G1436-14

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

Instrument ID (1):

Instrument ID (2):

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	-0.030	0.030	4.2	
	2	0.000	-0.030	0.030	4.3	2.4

con-test® ANALYTICAL LABORATORY

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC8-SO-4-3

Lab Sample ID: 17G1436-15

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	1.3	
	2	0.000	-0.030	0.030	1.3	0.0

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit
DL	Method Detection Limit
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
E	Reported result is estimated. Value reported over verified calibration range.
L-01	Laboratory fortified blank /laboratory control sample recovery outside of control limits. Data validation is not affected since all results are "not detected" for all samples in this batch for this compound and bias is on the high side.
L-03	Laboratory fortified blank/laboratory control sample recovery is outside of control limits. Reported value for this compound is likely to be biased on the low side.
L-07	Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD between the two LFB/LCS results is within method specified criteria.
V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
CTDEP ETPH in Soil	
CT ETPH	CT
SW-846 8082A in Soil	
Aroclor-1016	CT,NH,NY,ME,NC,VA
Aroclor-1016 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1221	CT,NH,NY,ME,NC,VA
Aroclor-1221 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1232	CT,NH,NY,ME,NC,VA
Aroclor-1232 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1242	CT,NH,NY,ME,NC,VA
Aroclor-1242 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1248	CT,NH,NY,ME,NC,VA
Aroclor-1248 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1254	CT,NH,NY,ME,NC,VA
Aroclor-1254 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1260	CT,NH,NY,ME,NC,VA
Aroclor-1260 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1262	NY,NC,VA
Aroclor-1262 [2C]	NY,NC,VA
Aroclor-1268	NY,NC,VA
Aroclor-1268 [2C]	NY,NC,VA
SW-846 8260C in Soil	
Acetone	CT,NH,NY,ME
Acrylonitrile	CT,NH,NY,ME
Benzene	CT,NH,NY,ME
Bromobenzene	NH,NY,ME
Bromodichloromethane	CT,NH,NY,ME
Bromoform	CT,NH,NY,ME
Bromomethane	CT,NH,NY,ME
2-Butanone (MEK)	CT,NH,NY,ME
n-Butylbenzene	CT,NH,NY,ME
sec-Butylbenzene	CT,NH,NY,ME
tert-Butylbenzene	CT,NH,NY,ME
Carbon Disulfide	CT,NH,NY,ME
Carbon Tetrachloride	CT,NH,NY,ME
Chlorobenzene	CT,NH,NY,ME
Chlorodibromomethane	CT,NH,NY,ME
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

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

CERTIFICATIONS

Certified Analyses included in this Report

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

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

CERTIFICATIONS

Certified Analyses included in this Report

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

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

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

con-test ANALYTICAL LABORATORY
Phone: 413-525-2332
Fax: 413-525-6405
Email: info@contestlabs.com

179436

http://www.contestlabs.com

Doc # 381 Rev 0 5 8 2015

CHAIN OF CUSTODY RECORD

39 Spruce Street
East Longmeadow, MA 01028

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

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

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

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

ANALYSIS REQUESTED

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	[1]Matrix Code	Conc Code	(Soxhlet) PCBs	PAHs	ETPH	SVOCs	RSR 15 Metal	VOCs	# of Containers	[2] Preservation Code	[3] Container Code
1	WS-AOC9-SO-28-4B	7/31/17	11:38		X	S	U		X	X						
2	WS-AOC8-SO-1-1		14:20					X								
3	WS-AOC8-SO-1-2		14:21					X	X	X			X			
4	WS-AOC8-SO-1-3		14:22					X								
5	WS-AOC8-SO-2-1A		14:16					X								
6	WS-AOC8-SO-2-1B		14:18						X	X						
7	WS-AOC8-SO-2-2		14:20					X								
8	WS-AOC8-SO-2-3		14:22					X								
9	WS-AOC8-SO-3-1A		14:50					X								
10	WS-AOC8-SO-3-1B		14:52						X	X						

Dissolved Metals Samples
○ Field Filtered
○ Lab to Filter

Orthophosphate Samples
○ Field Filtered
○ Lab to Filter

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

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

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

Comments:

Please hold excess volumes for possible SPLP analyses.

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

Relinquished by: (signature)	Date/Time: 7/31/17 1540
Received by: (signature)	Date/Time: 7/31/17 1540
Relinquished by: (signature)	Date/Time: 7/31/17 5.20
Received by: (signature)	Date/Time: 7/31/17 1720
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:

Detection Limit Requirements
MA
CT RES DEC
Other:

Program Information

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

7/31/17 1720

NELAC and AIHA-LAP, LLC Accredited

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

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1 1G14 50

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Doc # 381 Rev 0 5 8 2015

CHAIN OF CUSTODY RECORD

39 Spruce Street
East Longmeadow, MA 01028

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

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

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

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

ANALYSIS REQUESTED

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	[1]Matrix Code	Conc Code	(Soxhlet) PCBs	PAHs	ETPH	SVOCs	RSR 15 Metals	VOCs						# of Containers
11	WS-AOC8-SO-3-2	7/31/17	14:54		X	S	U	X											
12	WS-AOC8-SO-3-3		14:56					X											
13	WS-AOC8-SO-4-1		15:05					X											
14	WS-AOC8-SO-4-2		15:06					X											
15	WS-AOC8-SO-4-3		15:07					X											
16	WS-AOC8-SO-4-4		15:08					X	X	X									
17	WS-AOC8-SO-5-1		15:10					X											
18	WS-AOC8-SO-5-2		15:12					X	X	X			X						
19	WS-AOC8-SO-5-3		15:14					X											
20	TRIP BLANK												X						

[2] Preservation Code
[3] Container Code

Dissolved Metals Samples
○ Field Filtered
○ Lab to Filter

Orthophosphate Samples
○ Field Filtered
○ Lab to Filter

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

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

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

Comments:

Please hold excess volumes for possible SPLP analyses.

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

Relinquished by: (signature)	Date/Time:
[signature]	7/31/17 1540
Received by: (signature) [signature]	Date/Time: 7/31/17 15:40
Relinquished by: (signature) [signature]	Date/Time: 7/31/17 5.20
Received by: (signature) [signature]	Date/Time: 7/31/17 1720
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:

Detection Limit Requirements
MA
CT RES DEC
Other:

Program Information
○ MCP Analytical Certification Form Required
● RCP Analysis Certification Form Required
○ MA State DW Form Required
PWSID #
7/31/17 1720
NELAC and AIHA-LAP, LLC Accredited

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

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Table of Contents

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

Doc# 277 Rev 5 2017

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

Client Weston & Sampson

Received By JM Date 7/31/17 Time 1720

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 - 2.7, 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 pertinent Information? Client T Analysis T Sampler Name T
Project T ID's T Collection Dates/Times T
Are Sample labels filled out and legible? T
Are there Lab to Filters? N/A Who was notified? ___
Are there Rushes? N/A Who was notified? ___
Are there Short Holds? N/A Who was notified? ___
Is there enough Volume? T
Is there Headspace where applicable? N/A MS/MSD? N/A
Proper Media/Containers Used? T Is splitting samples required? N/A
Were trip blanks received? N/A On COC? N/A
Do all samples have the proper pH? N/A Acid ___ Base ___

Vials	#	Containers:			#		#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.	
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear	23
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: 7/31/17 1720	
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\A080817\A0808026.D

CT ETPH DISCRIMINATION CHECK

Date Acquired	8/8/17
Data File Name	A0808026.D
Sample Name	ETPH 1500
Instrument Name	5890DFID

Compound	Ret Time	Target Response	Average Response	*%D +/- 20
c - 9	1.29	388980	411456	-5
c - 10	1.64	396998	411456	-4
c - 12	2.37	411639	411456	0
c - 14	3.05	421922	411456	3
c - 16	3.66	430652	411456	5
c - 18	4.29	421549	411456	2
o-Terphenyl	4.57	462441	411456	
c - 20	4.90	423660	411456	3
c - 22	5.40	424781	411456	3
c - 24	5.84	392353	411456	-5
c - 26	6.24	411491	411456	0
c - 28	6.60	408915	411456	-1
c - 30	6.93	411875	411456	0
c - 32	7.25	406095	411456	-1
c - 34	7.55	410201	411456	0
c - 36	7.90	410728	411456	0

* One compound allowed %D <= 50%

Samples

17G1436-03
17G1436-10
17G1436-16
17G1436-18

D:\HPCHEM\1\DATA\A080817\A0808056.D

CT ETPH DISCRIMINATION CHECK

Date Acquired	8/8/17
Data File Name	A0808056.D
Sample Name	ETPH 1500
Instrument Name	5890DFID

Compound	Ret Time	Target Response	Average Response	*%D +/- 20
c - 9	1.29	383797	405490	-5
c - 10	1.64	393392	405490	-3
c - 12	2.37	407478	405490	0
c - 14	3.05	416808	405490	3
c - 16	3.66	424484	405490	5
c - 18	4.29	416419	405490	3
o-Terphenyl	4.57	456536	405490	
c - 20	4.90	416752	405490	3
c - 22	5.40	418018	405490	3
c - 24	5.84	386270	405490	-5
c - 26	6.24	404998	405490	0
c - 28	6.60	401550	405490	-1
c - 30	6.93	403933	405490	0
c - 32	7.25	399548	405490	-1
c - 34	7.55	403584	405490	0
c - 36	7.90	405319	405490	0

* One compound allowed %D </= 50%

Samples

17G1308-06@5X
17G1308-07@10X
17G1308-08@10X
17G1308-09@5X
17G1308-10@5X
17G1308-11@5X
17G1306-16@5X

D:\HPCHEM\1\DATA\A080817.SEC\A0808027.D

CT ETPH DISCRIMINATION CHECK

Date Acquired	8/8/17
Data File Name	A0808027.D
Sample Name	ETPH 1500
Instrument Name	5890DFID

Compound	Ret Time	Target Response	Average Response	*%D +/- 20
c - 9	1.28	501091	527474	-5
c - 10	1.62	509918	527474	-3
c - 12	2.34	523832	527474	-1
c - 14	3.01	534044	527474	1
c - 16	3.61	544812	527474	3
c - 18	4.23	538107	527474	2
o-Terphenyl	4.51	603381	527474	
c - 20	4.83	545360	527474	3
c - 22	5.34	555321	527474	5
c - 24	5.78	518184	527474	-2
c - 26	6.17	544315	527474	3
c - 28	6.53	534693	527474	1
c - 30	6.86	529438	527474	0
c - 32	7.17	513011	527474	-3
c - 34	7.46	510904	527474	-3
c - 36	7.78	509084	527474	-3

* One compound allowed %D </= 50%

Samples

17G1427-08
17G1420-03
17H0095-01
17G1436-06@5X
17H0128-01@5X

D:\HPCHEM\1\DATA\A080817.SEC\A0808057.D

CT ETPH DISCRIMINATION CHECK

Date Acquired	8/8/17
Data File Name	A0808057.D
Sample Name	ETPH 1500
Instrument Name	5890DFID

Compound	Ret Time	Target Response	Average Response	*%D +/- 20
c - 9	1.28	513475	550925	-7
c - 10	1.63	527505	550925	-4
c - 12	2.34	545732	550925	-1
c - 14	3.01	555761	550925	1
c - 16	3.61	566695	550925	3
c - 18	4.23	559895	550925	2
o-Terphenyl	4.51	629289	550925	
c - 20	4.83	568081	550925	3
c - 22	5.34	577653	550925	5
c - 24	5.78	539940	550925	-2
c - 26	6.17	569107	550925	3
c - 28	6.53	560263	550925	2
c - 30	6.86	557230	550925	1
c - 32	7.17	541079	550925	-2
c - 34	7.46	539966	550925	-2
c - 36	7.78	541485	550925	-2

* One compound allowed %D <= 50%

Samples

17G1308-01@5X
17G1308-02@10X
17G1308-04@5X
17G1308-12
17G1308-09

D:\HPCHEM\1\DATA\A080817.SEC\A0808091.D

CT ETPH DISCRIMINATION CHECK

Date Acquired	8/8/17
Data File Name	A0808091.D
Sample Name	ETPH 1500
Instrument Name	5890DFID

Compound	Ret Time	Target Response	Average Response	*%D +/- 20
c - 9	1.28	510955	541042	-6
c - 10	1.63	525974	541042	-3
c - 12	2.35	543074	541042	0
c - 14	3.01	551824	541042	2
c - 16	3.62	561754	541042	4
c - 18	4.23	554097	541042	2
o-Terphenyl	4.51	619051	541042	
c - 20	4.84	559993	541042	4
c - 22	5.34	567172	541042	5
c - 24	5.78	527365	541042	-3
c - 26	6.17	552723	541042	2
c - 28	6.53	542504	541042	0
c - 30	6.86	539598	541042	0
c - 32	7.17	526274	541042	-3
c - 34	7.46	526655	541042	-3
c - 36	7.78	525668	541042	-3

* One compound allowed %D <= 50%

Samples

17H0128-02
17G1436-01

REASONABLE CONFIDENCE PROTOCOL
LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name: Con-Test Analytical Laboratory

Client: Weston & Sampson

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

Project Number: 17G1436

Laboratory Sample ID(s):

17G1436-01 thru 17G1436-20

Sample Date(s):

07/31/2017

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: Lisa Worthington **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.

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

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: 17G1437

Enclosed are results of analyses for samples received by the laboratory on July 31, 2017. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

James M. Georgantas
Project Manager

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

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

REPORT DATE: 8/25/2017

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 2170495

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 17G1437

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-AOC9-SO-DUP-35	17G1437-01	Soil		SM 2540G	
				SW-846 8082A	
WS-AOC9-SO-DUP-36	17G1437-02	Soil		SM 2540G	
				SW-846 8082A	
WS-AOC9-SO-DUP-37	17G1437-03	Soil		SM 2540G	
				SW-846 8082A	
WS-AOC8-SO-DUP-38	17G1437-04	Soil		SM 2540G	
				SW-846 8082A	
WS-AOC-12W-AS-1	17G1437-05	Product/Solid		SW-846 8082A	
WS-AOC-12W-AS-2	17G1437-06	Product/Solid		SW-846 8082A	
WS-AOC-12W-AS-3	17G1437-07	Product/Solid		SW-846 8082A	
WS-AOC-12W-AS-4	17G1437-08	Product/Solid		SW-846 8082A	
WS-AOC-12W-AS-5	17G1437-09	Product/Solid		SW-846 8082A	
WS-AOC-12W-AS-6	17G1437-10	Product/Solid		SW-846 8082A	
WS-AOC-12W-AS-7	17G1437-11	Product/Solid		SW-846 8082A	
WS-AOC-12W-AS-8	17G1437-12	Product/Solid		SW-846 8082A	
WS-AOC-12W-AS-9	17G1437-13	Product/Solid		SW-846 8082A	
WS-AOC-12W-AS-10	17G1437-14	Product/Solid		SW-846 8082A	

con-test® ANALYTICAL LABORATORY

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

CASE NARRATIVE SUMMARY

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

SW-846 8082A

Qualifications:

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]

B183138-BS1, B183138-BSD1

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

Lisa A. Worthington
Project Manager

con-test® ANALYTICAL LABORATORY

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17G1437

Date Received: 7/31/2017

Field Sample #: WS-AOC9-SO-DUP-35 Sampled: 7/31/2017 00:00

Sample ID: 17G1437-01

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	0.15	mg/Kg dry	5		SW-846 8082A	8/8/17	8/24/17 22:55	TG
Aroclor-1221 [1]	ND	0.15	mg/Kg dry	5		SW-846 8082A	8/8/17	8/24/17 22:55	TG
Aroclor-1232 [1]	ND	0.15	mg/Kg dry	5		SW-846 8082A	8/8/17	8/24/17 22:55	TG
Aroclor-1242 [1]	ND	0.15	mg/Kg dry	5		SW-846 8082A	8/8/17	8/24/17 22:55	TG
Aroclor-1248 [1]	ND	0.15	mg/Kg dry	5		SW-846 8082A	8/8/17	8/24/17 22:55	TG
Aroclor-1254 [1]	ND	0.15	mg/Kg dry	5		SW-846 8082A	8/8/17	8/24/17 22:55	TG
Aroclor-1260 [1]	ND	0.15	mg/Kg dry	5		SW-846 8082A	8/8/17	8/24/17 22:55	TG
Aroclor-1262 [1]	ND	0.15	mg/Kg dry	5		SW-846 8082A	8/8/17	8/24/17 22:55	TG
Aroclor-1268 [1]	ND	0.15	mg/Kg dry	5		SW-846 8082A	8/8/17	8/24/17 22:55	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	62.3	30-150		8/24/17 22:55
Decachlorobiphenyl [2]	65.2	30-150		8/24/17 22:55
Tetrachloro-m-xylene [1]	60.6	30-150		8/24/17 22:55
Tetrachloro-m-xylene [2]	68.5	30-150		8/24/17 22:55

con-test® ANALYTICAL LABORATORY

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17G1437

Date Received: 7/31/2017

Field Sample #: WS-AOC9-SO-DUP-35 Sampled: 7/31/2017 00:00

Sample ID: 17G1437-01

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	67.2		% Wt	1		SM 2540G	8/5/17	8/7/17 6:28	MRL

con-test® ANALYTICAL LABORATORY

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17G1437

Date Received: 7/31/2017

Field Sample #: WS-AOC9-SO-DUP-36 Sampled: 7/31/2017 00:00

Sample ID: 17G1437-02

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	8/8/17	8/24/17 23:13	TG
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/8/17	8/24/17 23:13	TG
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/8/17	8/24/17 23:13	TG
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/8/17	8/24/17 23:13	TG
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/8/17	8/24/17 23:13	TG
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/8/17	8/24/17 23:13	TG
Aroclor-1260 [2]	0.16	0.11	mg/Kg dry	5		SW-846 8082A	8/8/17	8/24/17 23:13	TG
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/8/17	8/24/17 23:13	TG
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/8/17	8/24/17 23:13	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	78.0	30-150		8/24/17 23:13
Decachlorobiphenyl [2]	78.8	30-150		8/24/17 23:13
Tetrachloro-m-xylene [1]	76.4	30-150		8/24/17 23:13
Tetrachloro-m-xylene [2]	85.8	30-150		8/24/17 23:13

con-test® ANALYTICAL LABORATORY

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17G1437

Date Received: 7/31/2017

Field Sample #: WS-AOC9-SO-DUP-36 Sampled: 7/31/2017 00:00

Sample ID: 17G1437-02

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	93.9		% Wt	1		SM 2540G	8/5/17	8/7/17 6:28	MRL

con-test® ANALYTICAL LABORATORY

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17G1437

Date Received: 7/31/2017

Field Sample #: WS-AOC9-SO-DUP-37 Sampled: 7/31/2017 00:00

Sample ID: 17G1437-03

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	8/8/17	8/24/17 23:30	TG
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/8/17	8/24/17 23:30	TG
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/8/17	8/24/17 23:30	TG
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/8/17	8/24/17 23:30	TG
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/8/17	8/24/17 23:30	TG
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/8/17	8/24/17 23:30	TG
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/8/17	8/24/17 23:30	TG
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/8/17	8/24/17 23:30	TG
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/8/17	8/24/17 23:30	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	85.1	30-150		8/24/17 23:30
Decachlorobiphenyl [2]	86.2	30-150		8/24/17 23:30
Tetrachloro-m-xylene [1]	80.3	30-150		8/24/17 23:30
Tetrachloro-m-xylene [2]	89.7	30-150		8/24/17 23:30

con-test® ANALYTICAL LABORATORY

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17G1437

Date Received: 7/31/2017

Field Sample #: WS-AOC9-SO-DUP-37 Sampled: 7/31/2017 00:00

Sample ID: 17G1437-03

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	94.4		% Wt	1		SM 2540G	8/5/17	8/7/17 6:28	MRL

con-test® ANALYTICAL LABORATORY

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17G1437

Date Received: 7/31/2017

Field Sample #: WS-AOC8-SO-DUP-38 Sampled: 7/31/2017 00:00

Sample ID: 17G1437-04

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	0.18	mg/Kg dry	5		SW-846 8082A	8/8/17	8/24/17 23:48	TG
Aroclor-1221 [1]	ND	0.18	mg/Kg dry	5		SW-846 8082A	8/8/17	8/24/17 23:48	TG
Aroclor-1232 [1]	ND	0.18	mg/Kg dry	5		SW-846 8082A	8/8/17	8/24/17 23:48	TG
Aroclor-1242 [1]	ND	0.18	mg/Kg dry	5		SW-846 8082A	8/8/17	8/24/17 23:48	TG
Aroclor-1248 [1]	ND	0.18	mg/Kg dry	5		SW-846 8082A	8/8/17	8/24/17 23:48	TG
Aroclor-1254 [1]	ND	0.18	mg/Kg dry	5		SW-846 8082A	8/8/17	8/24/17 23:48	TG
Aroclor-1260 [1]	ND	0.18	mg/Kg dry	5		SW-846 8082A	8/8/17	8/24/17 23:48	TG
Aroclor-1262 [1]	ND	0.18	mg/Kg dry	5		SW-846 8082A	8/8/17	8/24/17 23:48	TG
Aroclor-1268 [1]	ND	0.18	mg/Kg dry	5		SW-846 8082A	8/8/17	8/24/17 23:48	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	78.3	30-150		8/24/17 23:48
Decachlorobiphenyl [2]	86.5	30-150		8/24/17 23:48
Tetrachloro-m-xylene [1]	78.4	30-150		8/24/17 23:48
Tetrachloro-m-xylene [2]	88.0	30-150		8/24/17 23:48

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17G1437

Date Received: 7/31/2017

Field Sample #: WS-AOC8-SO-DUP-38 Sampled: 7/31/2017 00:00

Sample ID: 17G1437-04

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	57.0		% Wt	1		SM 2540G	8/5/17	8/7/17 6:28	MRL

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17G1437

Date Received: 7/31/2017

Field Sample #: WS-AOC-12W-AS-1 Sampled: 7/31/2017 10:15

Sample ID: 17G1437-05

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	0.97	mg/Kg	10		SW-846 8082A	8/2/17	8/10/17 7:45	JMB
Aroclor-1221 [1]	ND	0.97	mg/Kg	10		SW-846 8082A	8/2/17	8/10/17 7:45	JMB
Aroclor-1232 [1]	ND	0.97	mg/Kg	10		SW-846 8082A	8/2/17	8/10/17 7:45	JMB
Aroclor-1242 [1]	ND	0.97	mg/Kg	10		SW-846 8082A	8/2/17	8/10/17 7:45	JMB
Aroclor-1248 [1]	ND	0.97	mg/Kg	10		SW-846 8082A	8/2/17	8/10/17 7:45	JMB
Aroclor-1254 [1]	ND	0.97	mg/Kg	10		SW-846 8082A	8/2/17	8/10/17 7:45	JMB
Aroclor-1260 [1]	ND	0.97	mg/Kg	10		SW-846 8082A	8/2/17	8/10/17 7:45	JMB
Aroclor-1262 [1]	ND	0.97	mg/Kg	10		SW-846 8082A	8/2/17	8/10/17 7:45	JMB
Aroclor-1268 [1]	ND	0.97	mg/Kg	10		SW-846 8082A	8/2/17	8/10/17 7:45	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	92.9	30-150		8/10/17 7:45
Decachlorobiphenyl [2]	90.5	30-150		8/10/17 7:45
Tetrachloro-m-xylene [1]	89.4	30-150		8/10/17 7:45
Tetrachloro-m-xylene [2]	92.1	30-150		8/10/17 7:45

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17G1437

Date Received: 7/31/2017

Field Sample #: WS-AOC-12W-AS-2 Sampled: 7/31/2017 10:20

Sample ID: 17G1437-06

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	0.97	mg/Kg	10		SW-846 8082A	8/2/17	8/10/17 8:03	JMB
Aroclor-1221 [1]	ND	0.97	mg/Kg	10		SW-846 8082A	8/2/17	8/10/17 8:03	JMB
Aroclor-1232 [1]	ND	0.97	mg/Kg	10		SW-846 8082A	8/2/17	8/10/17 8:03	JMB
Aroclor-1242 [1]	ND	0.97	mg/Kg	10		SW-846 8082A	8/2/17	8/10/17 8:03	JMB
Aroclor-1248 [1]	ND	0.97	mg/Kg	10		SW-846 8082A	8/2/17	8/10/17 8:03	JMB
Aroclor-1254 [1]	ND	0.97	mg/Kg	10		SW-846 8082A	8/2/17	8/10/17 8:03	JMB
Aroclor-1260 [1]	ND	0.97	mg/Kg	10		SW-846 8082A	8/2/17	8/10/17 8:03	JMB
Aroclor-1262 [1]	ND	0.97	mg/Kg	10		SW-846 8082A	8/2/17	8/10/17 8:03	JMB
Aroclor-1268 [1]	ND	0.97	mg/Kg	10		SW-846 8082A	8/2/17	8/10/17 8:03	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	92.9	30-150		8/10/17 8:03
Decachlorobiphenyl [2]	89.9	30-150		8/10/17 8:03
Tetrachloro-m-xylene [1]	90.1	30-150		8/10/17 8:03
Tetrachloro-m-xylene [2]	92.5	30-150		8/10/17 8:03

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17G1437

Date Received: 7/31/2017

Field Sample #: WS-AOC-12W-AS-3 Sampled: 7/31/2017 10:25

Sample ID: 17G1437-07

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

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	102	30-150		8/10/17 8:21
Decachlorobiphenyl [2]	98.3	30-150		8/10/17 8:21
Tetrachloro-m-xylene [1]	98.0	30-150		8/10/17 8:21
Tetrachloro-m-xylene [2]	100	30-150		8/10/17 8:21

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17G1437

Date Received: 7/31/2017

Field Sample #: WS-AOC-12W-AS-4 Sampled: 7/31/2017 10:50

Sample ID: 17G1437-08

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	8/2/17	8/10/17 8:39	JMB
Aroclor-1221 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	8/2/17	8/10/17 8:39	JMB
Aroclor-1232 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	8/2/17	8/10/17 8:39	JMB
Aroclor-1242 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	8/2/17	8/10/17 8:39	JMB
Aroclor-1248 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	8/2/17	8/10/17 8:39	JMB
Aroclor-1254 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	8/2/17	8/10/17 8:39	JMB
Aroclor-1260 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	8/2/17	8/10/17 8:39	JMB
Aroclor-1262 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	8/2/17	8/10/17 8:39	JMB
Aroclor-1268 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	8/2/17	8/10/17 8:39	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	95.5	30-150		8/10/17 8:39
Decachlorobiphenyl [2]	92.2	30-150		8/10/17 8:39
Tetrachloro-m-xylene [1]	94.7	30-150		8/10/17 8:39
Tetrachloro-m-xylene [2]	96.9	30-150		8/10/17 8:39

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17G1437

Date Received: 7/31/2017

Field Sample #: WS-AOC-12W-AS-5 Sampled: 7/31/2017 10:55

Sample ID: 17G1437-09

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	0.97	mg/Kg	10		SW-846 8082A	8/2/17	8/10/17 8:57	JMB
Aroclor-1221 [1]	ND	0.97	mg/Kg	10		SW-846 8082A	8/2/17	8/10/17 8:57	JMB
Aroclor-1232 [1]	ND	0.97	mg/Kg	10		SW-846 8082A	8/2/17	8/10/17 8:57	JMB
Aroclor-1242 [1]	ND	0.97	mg/Kg	10		SW-846 8082A	8/2/17	8/10/17 8:57	JMB
Aroclor-1248 [1]	ND	0.97	mg/Kg	10		SW-846 8082A	8/2/17	8/10/17 8:57	JMB
Aroclor-1254 [1]	ND	0.97	mg/Kg	10		SW-846 8082A	8/2/17	8/10/17 8:57	JMB
Aroclor-1260 [1]	ND	0.97	mg/Kg	10		SW-846 8082A	8/2/17	8/10/17 8:57	JMB
Aroclor-1262 [1]	ND	0.97	mg/Kg	10		SW-846 8082A	8/2/17	8/10/17 8:57	JMB
Aroclor-1268 [1]	ND	0.97	mg/Kg	10		SW-846 8082A	8/2/17	8/10/17 8:57	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	90.8	30-150		8/10/17 8:57
Decachlorobiphenyl [2]	89.0	30-150		8/10/17 8:57
Tetrachloro-m-xylene [1]	90.4	30-150		8/10/17 8:57
Tetrachloro-m-xylene [2]	91.4	30-150		8/10/17 8:57

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17G1437

Date Received: 7/31/2017

Field Sample #: WS-AOC-12W-AS-6 Sampled: 7/31/2017 11:00

Sample ID: 17G1437-10

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	0.99	mg/Kg	10		SW-846 8082A	8/2/17	8/10/17 9:15	JMB
Aroclor-1221 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/2/17	8/10/17 9:15	JMB
Aroclor-1232 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/2/17	8/10/17 9:15	JMB
Aroclor-1242 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/2/17	8/10/17 9:15	JMB
Aroclor-1248 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/2/17	8/10/17 9:15	JMB
Aroclor-1254 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/2/17	8/10/17 9:15	JMB
Aroclor-1260 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/2/17	8/10/17 9:15	JMB
Aroclor-1262 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/2/17	8/10/17 9:15	JMB
Aroclor-1268 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/2/17	8/10/17 9:15	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	97.7	30-150		8/10/17 9:15
Decachlorobiphenyl [2]	96.6	30-150		8/10/17 9:15
Tetrachloro-m-xylene [1]	95.4	30-150		8/10/17 9:15
Tetrachloro-m-xylene [2]	98.3	30-150		8/10/17 9:15

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17G1437

Date Received: 7/31/2017

Field Sample #: WS-AOC-12W-AS-7 Sampled: 7/31/2017 11:20

Sample ID: 17G1437-11

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	8/2/17	8/10/17 9:33	JMB
Aroclor-1221 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/2/17	8/10/17 9:33	JMB
Aroclor-1232 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/2/17	8/10/17 9:33	JMB
Aroclor-1242 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/2/17	8/10/17 9:33	JMB
Aroclor-1248 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/2/17	8/10/17 9:33	JMB
Aroclor-1254 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/2/17	8/10/17 9:33	JMB
Aroclor-1260 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/2/17	8/10/17 9:33	JMB
Aroclor-1262 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/2/17	8/10/17 9:33	JMB
Aroclor-1268 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/2/17	8/10/17 9:33	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	102	30-150		8/10/17 9:33
Decachlorobiphenyl [2]	102	30-150		8/10/17 9:33
Tetrachloro-m-xylene [1]	98.4	30-150		8/10/17 9:33
Tetrachloro-m-xylene [2]	104	30-150		8/10/17 9:33

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17G1437

Date Received: 7/31/2017

Field Sample #: WS-AOC-12W-AS-8 Sampled: 7/31/2017 11:25

Sample ID: 17G1437-12

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	8/2/17	8/10/17 9:51	JMB
Aroclor-1221 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/2/17	8/10/17 9:51	JMB
Aroclor-1232 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/2/17	8/10/17 9:51	JMB
Aroclor-1242 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/2/17	8/10/17 9:51	JMB
Aroclor-1248 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/2/17	8/10/17 9:51	JMB
Aroclor-1254 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/2/17	8/10/17 9:51	JMB
Aroclor-1260 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/2/17	8/10/17 9:51	JMB
Aroclor-1262 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/2/17	8/10/17 9:51	JMB
Aroclor-1268 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/2/17	8/10/17 9:51	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	91.5	30-150		8/10/17 9:51
Decachlorobiphenyl [2]	91.6	30-150		8/10/17 9:51
Tetrachloro-m-xylene [1]	87.6	30-150		8/10/17 9:51
Tetrachloro-m-xylene [2]	92.9	30-150		8/10/17 9:51

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17G1437

Date Received: 7/31/2017

Field Sample #: WS-AOC-12W-AS-9 Sampled: 7/31/2017 11:30

Sample ID: 17G1437-13

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	8/2/17	8/10/17 10:08	JMB
Aroclor-1221 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/2/17	8/10/17 10:08	JMB
Aroclor-1232 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/2/17	8/10/17 10:08	JMB
Aroclor-1242 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/2/17	8/10/17 10:08	JMB
Aroclor-1248 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/2/17	8/10/17 10:08	JMB
Aroclor-1254 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/2/17	8/10/17 10:08	JMB
Aroclor-1260 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/2/17	8/10/17 10:08	JMB
Aroclor-1262 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/2/17	8/10/17 10:08	JMB
Aroclor-1268 [1]	ND	0.99	mg/Kg	10		SW-846 8082A	8/2/17	8/10/17 10:08	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	106	30-150		8/10/17 10:08
Decachlorobiphenyl [2]	106	30-150		8/10/17 10:08
Tetrachloro-m-xylene [1]	104	30-150		8/10/17 10:08
Tetrachloro-m-xylene [2]	109	30-150		8/10/17 10:08

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17G1437

Date Received: 7/31/2017

Field Sample #: WS-AOC-12W-AS-10 Sampled: 7/31/2017 11:40

Sample ID: 17G1437-14

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	0.97	mg/Kg	10		SW-846 8082A	8/2/17	8/10/17 10:26	JMB
Aroclor-1221 [1]	ND	0.97	mg/Kg	10		SW-846 8082A	8/2/17	8/10/17 10:26	JMB
Aroclor-1232 [1]	ND	0.97	mg/Kg	10		SW-846 8082A	8/2/17	8/10/17 10:26	JMB
Aroclor-1242 [1]	ND	0.97	mg/Kg	10		SW-846 8082A	8/2/17	8/10/17 10:26	JMB
Aroclor-1248 [1]	ND	0.97	mg/Kg	10		SW-846 8082A	8/2/17	8/10/17 10:26	JMB
Aroclor-1254 [1]	ND	0.97	mg/Kg	10		SW-846 8082A	8/2/17	8/10/17 10:26	JMB
Aroclor-1260 [1]	ND	0.97	mg/Kg	10		SW-846 8082A	8/2/17	8/10/17 10:26	JMB
Aroclor-1262 [1]	ND	0.97	mg/Kg	10		SW-846 8082A	8/2/17	8/10/17 10:26	JMB
Aroclor-1268 [1]	ND	0.97	mg/Kg	10		SW-846 8082A	8/2/17	8/10/17 10:26	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	108	30-150		8/10/17 10:26
Decachlorobiphenyl [2]	109	30-150		8/10/17 10:26
Tetrachloro-m-xylene [1]	106	30-150		8/10/17 10:26
Tetrachloro-m-xylene [2]	113	30-150		8/10/17 10:26

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Sample Extraction Data

Prep Method: % Solids-SM 2540G

Lab Number [Field ID]	Batch	Date
17G1437-01 [WS-AOC9-SO-DUP-35]	B183388	08/05/17
17G1437-02 [WS-AOC9-SO-DUP-36]	B183388	08/05/17
17G1437-03 [WS-AOC9-SO-DUP-37]	B183388	08/05/17
17G1437-04 [WS-AOC8-SO-DUP-38]	B183388	08/05/17

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17G1437-05 [WS-AOC-12W-AS-1]	B183138	2.05	10.0	08/02/17
17G1437-06 [WS-AOC-12W-AS-2]	B183138	2.07	10.0	08/02/17
17G1437-07 [WS-AOC-12W-AS-3]	B183138	2.00	10.0	08/02/17
17G1437-08 [WS-AOC-12W-AS-4]	B183138	2.00	10.0	08/02/17
17G1437-09 [WS-AOC-12W-AS-5]	B183138	2.06	10.0	08/02/17
17G1437-10 [WS-AOC-12W-AS-6]	B183138	2.03	10.0	08/02/17
17G1437-11 [WS-AOC-12W-AS-7]	B183138	2.02	10.0	08/02/17
17G1437-12 [WS-AOC-12W-AS-8]	B183138	2.03	10.0	08/02/17
17G1437-13 [WS-AOC-12W-AS-9]	B183138	2.03	10.0	08/02/17
17G1437-14 [WS-AOC-12W-AS-10]	B183138	2.06	10.0	08/02/17

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17G1437-01 [WS-AOC9-SO-DUP-35]	B183607	10.0	10.0	08/08/17
17G1437-02 [WS-AOC9-SO-DUP-36]	B183607	10.0	10.0	08/08/17
17G1437-03 [WS-AOC9-SO-DUP-37]	B183607	10.0	10.0	08/08/17
17G1437-04 [WS-AOC8-SO-DUP-38]	B183607	10.0	10.0	08/08/17

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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 B183138 - SW-846 3540C										
Blank (B183138-BLK1)				Prepared: 08/02/17 Analyzed: 08/04/17						
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	*0.995*		mg/Kg	1.00		99.5	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.908*		mg/Kg	1.00		90.8	30-150			
Surrogate: Tetrachloro-m-xylene	*0.856*		mg/Kg	1.00		85.6	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.908*		mg/Kg	1.00		90.8	30-150			
LCS (B183138-BS1)				Prepared: 08/02/17 Analyzed: 08/04/17						
Aroclor-1016	0.78	0.10	mg/Kg	1.00		78.0	40-140			
Aroclor-1016 [2C]	0.86	0.10	mg/Kg	1.00		85.6	40-140			
Aroclor-1260	0.76	0.10	mg/Kg	1.00		76.1	40-140			
Aroclor-1260 [2C]	0.79	0.10	mg/Kg	1.00		78.7	40-140			V-06
Surrogate: Decachlorobiphenyl	*0.994*		mg/Kg	1.00		99.4	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.920*		mg/Kg	1.00		92.0	30-150			
Surrogate: Tetrachloro-m-xylene	*0.848*		mg/Kg	1.00		84.8	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.893*		mg/Kg	1.00		89.3	30-150			
LCS Dup (B183138-BSD1)				Prepared: 08/02/17 Analyzed: 08/04/17						
Aroclor-1016	0.81	0.10	mg/Kg	1.00		81.0	40-140	3.74	30	
Aroclor-1016 [2C]	0.90	0.10	mg/Kg	1.00		89.6	40-140	4.59	30	
Aroclor-1260	0.79	0.10	mg/Kg	1.00		78.9	40-140	3.67	30	
Aroclor-1260 [2C]	0.83	0.10	mg/Kg	1.00		82.8	40-140	5.07	30	V-06
Surrogate: Decachlorobiphenyl	*1.04*		mg/Kg	1.00		104	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.982*		mg/Kg	1.00		98.2	30-150			
Surrogate: Tetrachloro-m-xylene	*0.886*		mg/Kg	1.00		88.6	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.945*		mg/Kg	1.00		94.5	30-150			

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QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B183607 - SW-846 3540C										
Blank (B183607-BLK1)				Prepared: 08/08/17 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	*0.178*		mg/Kg wet	0.200		88.9	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.175*		mg/Kg wet	0.200		87.6	30-150			
Surrogate: Tetrachloro-m-xylene	*0.170*		mg/Kg wet	0.200		85.1	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.187*		mg/Kg wet	0.200		93.6	30-150			
LCS (B183607-BS1)				Prepared: 08/08/17 Analyzed: 08/24/17						
Aroclor-1016	0.16	0.020	mg/Kg wet	0.200		80.3	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]	0.14	0.020	mg/Kg wet	0.200		71.7	40-140			
Surrogate: Decachlorobiphenyl	*0.175*		mg/Kg wet	0.200		87.6	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.175*		mg/Kg wet	0.200		87.4	30-150			
Surrogate: Tetrachloro-m-xylene	*0.172*		mg/Kg wet	0.200		86.1	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.188*		mg/Kg wet	0.200		93.8	30-150			
LCS Dup (B183607-BSD1)				Prepared: 08/08/17 Analyzed: 08/24/17						
Aroclor-1016	0.16	0.020	mg/Kg wet	0.200		81.0	40-140	0.789	30	
Aroclor-1016 [2C]	0.17	0.020	mg/Kg wet	0.200		85.5	40-140	3.27	30	
Aroclor-1260	0.15	0.020	mg/Kg wet	0.200		75.8	40-140	4.16	30	
Aroclor-1260 [2C]	0.15	0.020	mg/Kg wet	0.200		73.9	40-140	3.02	30	
Surrogate: Decachlorobiphenyl	*0.184*		mg/Kg wet	0.200		91.8	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.180*		mg/Kg wet	0.200		90.2	30-150			
Surrogate: Tetrachloro-m-xylene	*0.173*		mg/Kg wet	0.200		86.5	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.188*		mg/Kg wet	0.200		94.2	30-150			

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC9-SO-DUP-36

Lab Sample ID: 17G1437-02

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	0.14	
	2	0.000	-0.030	0.030	0.16	13.3

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit
DL	Method Detection Limit
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
V-06	Continuing calibration did not meet method specifications and was biased on the high side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the high side.

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CERTIFICATIONS

Certified Analyses included in this Report

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

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

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

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1 CG 1437

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Doc # 381 Rev 0 5 8 2015

CHAIN OF CUSTODY RECORD

39 Spruce Street
East Longmeadow, MA 01028

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

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

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

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

ANALYSIS REQUESTED

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	[1]Matrix Code	Conc Code	(Soxhlet) PCBs	PAH	ETPH	SVOCs	RSR 15 Metal	VOCs	# of Containers	[2] Preservation Code	[3] Container Code
1	WS-AOC9-SO-DUP-35	7/31/17			X	S	V	X								
2	WS-AOC9-SO-DUP-36							X								
3	WS-AOC9-SO-DUP-37							X								
4	WS-AOC8-SO-DUP-38							X								

Dissolved Metals Samples
○ Field Filtered
○ Lab to Filter

Orthophosphate Samples
○ Field Filtered
○ Lab to Filter

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

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

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

Comments:

Please hold excess volumes for possible SPLP analyses.

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

Relinquished by: (signature)	Date/Time: 7/31/17
Received by: (signature)	Date/Time: 7/31/17 1540
Relinquished by: (signature)	Date/Time: 7/31/17 5:20
Received by: (signature)	Date/Time: 7/31/17 1720
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:

Detection Limit Requirements
MA
CT RES DEC
Other:

Program Information

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

NELAC and AIHA-LAP, LLC Accredited

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

PLEASE BE CAREFUL NOT TO CONTAMINATE THIS DOCUMENT

17G143 /

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

CHAIN OF CUSTODY RECORD

39 Spruce Street
East Longmeadow, MA 01028

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: beele-m@wslinc.com
Fax To #:

Company Name:
Address: 273 Dividend Road, Rocky Hill CT
Phone: 860-513-1473
Project Name: English Station
Project Location: 510 Grand Ave, New Haven CT
Project Number: 21209495
Project Manager: Malcolm Beeler
Con-Test Quote Name/Number:
Invoice Recipient: Malcolm Beeler (Weston + Sampson)
Sampled By: N. Zholog Ames

ANALYSIS REQUESTED

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	[1]Matrix Code	Conc Code	PCBs w/ Soxhlet extraction											
5	WS-AOC-12W-AS-1	7/31/17	1015		X	O		X											
6	WS-AOC-12W-AS-2	↓	1020		↓	↓		↓											
7	WS-AOC-12W-AS-3		1025																
8	WS-AOC-12W-AS-4		1050																
9	WS-AOC-12W-AS-5		1055																
10	WS-AOC-12W-AS-6		1100																
11	WS-AOC-12W-AS-7		1120																
12	WS-AOC-12W-AS-8		1125																
13	WS-AOC-12W-AS-9		1130																
14	WS-AOC-12W-AS-10	↓	1140		↓	↓		↓											

	1	2	3
# 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
SL = Sludge
SOL = Solid
O = Other (please define) Asphalt

[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 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: 7/31/17 1540
Received by: (signature)	Date/Time: 7/31/17 15:40
Relinquished by: (signature)	Date/Time: 7/31/17 5:20
Received by: (signature)	Date/Time: 7/31/17 1720
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:

Detection Limit Requirements
MA:
CT: RES DEC
Other:

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

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NELAC and AIHA-LAP, LLC Accredited

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

Other
☐ Chromatogram
☐ *AIHA-LAP, LLC*

PCB ONLY
☐ Soxhlet
☐ Non Soxhlet

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East Longmeadow, MA. 01028
P: 413-525-2332
F: 413-525-6405
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Doc# 277 Rev 5 2017

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

Client Weston & Sampson

Received By JM Date 7/31/17 Time 1720

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 - 2.7, 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 pertinent Information? Client T Analysis T Sampler Name T
Project T ID's T Collection Dates/Times T
Are Sample labels filled out and legible? T
Are there Lab to Filters? N/A Who was notified? ____
Are there Rushes? N/A Who was notified? ____
Are there Short Holds? N/A Who was notified? ____
Is there enough Volume? T
Is there Headspace where applicable? N/A MS/MSD? N/A
Proper Media/Containers Used? T Is splitting samples required? N/A
Were trip blanks received? N/A On COC? N/A
Do all samples have the proper pH? N/A Acid ____ Base ____

Vials	#	Containers:			#		#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.	
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear	4
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear	10
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: 17G1437

Laboratory Sample ID(s):

17G1437-01 thru 17G1437-14

Sample Date(s):

07/31/2017

List RCP Methods Used:

SW-846 8082A

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

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

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

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

Printed Name: **Lisa A. Worthington** **Date:** **08/25/17**

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

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

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

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,

James M. Georgantas
Project Manager

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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	

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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:

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

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

Lisa A. Worthington
Project Manager

con-test® ANALYTICAL LABORATORY

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

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

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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-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		8/21/17 18:38
Decachlorobiphenyl [2]	87.8	30-150		8/21/17 18:38
Tetrachloro-m-xylene [1]	84.0	30-150		8/21/17 18:38
Tetrachloro-m-xylene [2]	95.1	30-150		8/21/17 18:38

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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

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

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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-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

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39 Spruce Street * 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

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39 Spruce Street * 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

con-test® ANALYTICAL LABORATORY

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 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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39 Spruce Street * 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-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		8/21/17 19:31
Decachlorobiphenyl [2]	91.4	30-150		8/21/17 19:31
Tetrachloro-m-xylene [1]	87.0	30-150		8/21/17 19:31
Tetrachloro-m-xylene [2]	107	30-150		8/21/17 19:31

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 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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39 Spruce Street * 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 #: 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		8/22/17 12:35
Decachlorobiphenyl [2]	87.4	30-150		8/22/17 12:35
Tetrachloro-m-xylene [1]	84.7	30-150		8/22/17 12:35
Tetrachloro-m-xylene [2]	85.2	30-150		8/22/17 12:35

con-test® ANALYTICAL LABORATORY

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 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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39 Spruce Street * 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-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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39 Spruce Street * 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-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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39 Spruce Street * 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-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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39 Spruce Street * 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-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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39 Spruce Street * 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-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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39 Spruce Street * 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-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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39 Spruce Street * 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-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

con-test® ANALYTICAL LABORATORY

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 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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39 Spruce Street * 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-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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39 Spruce Street * 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-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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39 Spruce Street * 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-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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39 Spruce Street * 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-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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39 Spruce Street * 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-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		8/25/17 21:16
Decachlorobiphenyl [2]	86.4	30-150		8/25/17 21:16
Tetrachloro-m-xylene [1]	97.4	30-150		8/25/17 21:16
Tetrachloro-m-xylene [2]	79.3	30-150		8/25/17 21:16

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 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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39 Spruce Street * 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-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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39 Spruce Street * 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-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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39 Spruce Street * 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-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

con-test® ANALYTICAL LABORATORY

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

Sample Extraction Data

Prep Method: % Solids-SM 2540G

Lab Number [Field ID]	Batch	Date
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-BSD1)				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
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
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
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
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	
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

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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

con-test® ANALYTICAL LABORATORY

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

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

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

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC-14-SE-33

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

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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

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC-7-CO-37

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

con-test® ANALYTICAL LABORATORY

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.

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CERTIFICATIONS

Certified Analyses included in this Report

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

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

CERTIFICATIONS

Certified Analyses included in this Report

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

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

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

17H0054

http://www.contestlabs.com

Doc # 381 Rev 1_03242017

con-test ANALYTICAL LABORATORY

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

CHAIN OF CUSTODY RECORD

39 Spruce Street
East Longmeadow, MA 01028

Requested Turnaround Time
7-Day [X] 10-Day [ ]
Due Date:

Rush-Approval Required
1-Day [ ] 3-Day [ ]
2-Day [ ] 4-Day [ ]

Data Delivery
Format: PDF [X] EXCEL [X]
Other:
CLP Like Data Pkg Required: [ ]
Email To: beckerm@wsinc.com
Fax To #:

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: 0170495
Project Manager: Malcolm Becker
Con-Test Quote Name/Number:
Invoice Recipient:
Sampled By: TPS

ANALYSIS REQUESTED

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	[1]Matrix Code	Conc Code	PCB's
1	WS-AOC-14-SE-29	8/14/17	1230		X	S	U	X
2	WS-AOC-14-SE-30		1300		X			X
3	WS-AOC-14-SE-31		1330		X			X
4	WS-AOC-14-SE-32		1345		X			X
5	WS-AOC-14-SE-33		1415		X			X
6	EB-40		1400		X	O		X
7	EB-41	8/15/17	0700		X	O		X
8	WS-AOC-8-AS-1		1105		X	O		X
9	WS-AOC-8-AS-2		1100		X	O		X
10	WS-AOC-8-AS-5		1110		X	O		X

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

	Date/Time
Relinquished by: (signature)	8/15/17 1510
Received by: (signature)	8/15/17 1510
Relinquished by: (signature)	8/15/17 1420
Received by: (signature) 9.6°C/4.1°C 16:20	8/15/17
Relinquished by: (signature)	
Received by: (signature)	

Detection Limit Requirements
MA
CT DEC
Other

Special Requirements
[ ] MA MCP Required
MCP Certification Form Required
[X] CT RCP Required
RCP Certification Form Required
[ ] MA State DW Required
PWSID #

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NELAC and AIHA-LAP, LLC Accredited

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

Other
[ ] Chromatogram
[ ] AIHA-LAP,LLC

PCB ONLY
[ ] Soxhlet
[ ] Non Soxhlet

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

Dissolved Metals Samples
O Field Filtered
O Lab to Filter

Orthophosphate Samples
O Field Filtered
O Lab to Filter

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

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

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

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con-test ANALYTICAL LABORATORY

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Doc # 381 Rev 1_03242017

CHAIN OF CUSTODY RECORD

39 Spruce Street
East Longmeadow, MA 01028

Company Name: Weston & Sampson.
Address: 973 Dividend Rd Rocky Hill, CT
Phone: 800-SAMPSON.
Project Name: English Station.
Project Location: 510 Ground Ave New Haven, CT
Project Number: 2170419S.
Project Manager: Malcolm Beeler.
Con-Test Quote Name/Number:
Invoice Recipient:
Sampled By: TPS

Requested Turnaround Time
7-Day [X] 10-Day [ ]
Due Date:

Rush-Approval Required
1-Day [ ] 3-Day [ ]
2-Day [ ] 4-Day [ ]

Data Delivery
Format: PDF [X] EXCEL [X]
Other:
CLP Like Data Pkg Required: [ ]
Email To: BeelerM@wsscinc.com
Fax To #:

ANALYSIS REQUESTED

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	[1]Matrix Code	Conc Code	PCBs											# of Containers
11	WS-AOC-8-CO-20	8/15/17	1130		X	O	U	X											
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-DUP-7		—																
18	WS-AOC-7-CO-31		1200																
19	WS-AOC-7-CO-39		1145																
20	WS-AOC-7-CO-38		1210																

[2] Preservation Code
[3] Container Code

Dissolved Metals Samples
O Field Filtered
O Lab to Filter

Orthophosphate Samples
O Field Filtered
O Lab to Filter

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

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

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

Comments:
WS-AOC-8-CO-20 is MS/MSD.
WS-AOC-7-CO-31 is MS/MSD.

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

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 1620
Received by: (signature) 4.6°C/Ice 8/15/17	Date/Time: 16:20
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:

Detection Limit Requirements
MA
CT DEC
Other

Special Requirements
[ ] MA MCP Required
MCP Certification Form Required
[X] CT RCP Required
RCP Certification Form Required
[ ] MA State DW Required
PWSID #

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

Other
[ ] Chromatogram
[ ] AIHA-LAP,LLC

PCB ONLY
[ ] Soxhlet
[ ] Non Soxhlet

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Doc # 381 Rev 1_03242017

CHAIN OF CUSTODY RECORD

39 Spruce Street
East Longmeadow, MA 01028

Company Name: Weston & Sampson.
Address: 273 Dividend Rd Rocky Hill CT
Phone: 800 SAMPSON
Project Name: English Station.
Project Location: 510 Grand Ave New Haven, CT
Project Number: 2170495.
Project Manager:
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: BeckerM@wsecnc.com
Fax To #:

ANALYSIS REQUESTED

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	[1]Matrix Code	Conc Code	PCBs	# of Containers	[2] Preservation Code	[3] Container Code
21	WS-AOC-7-CO-34	8/15/17	1200		X	O	U	X			
22	WS-AOC-7-CO-35	↓	1240		X	O	U	X			
23	WS-AOC-7-CO-37	↓	1300		X	O	U	X			
24	WS-AOC-7-CO-DUP-8	↓	—		X	O	U	X			

Comments:

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

Dissolved Metals Samples
○ Field Filtered
○ Lab to Filter

Orthophosphate Samples
○ Field Filtered
○ Lab to Filter

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

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

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

Relinquished by: (signature)	Date/Time: 8/15/17 1510	**Detection Limit Requirements**	**Special Requirements**
Received by: (signature)	Date/Time: 8/15/17 1510		☐ MA MCP Required
Relinquished by: (signature)	Date/Time: 8/15/17 1621		MCP Certification Form Required
Received by: (signature) 6.1°C/4.6° 8/15/17	Date/Time: 16:20	WPA	☒ CT RCP Required
Relinquished by: (signature)	Date/Time:	GW DEC	RCP Certification Form Required
Received by: (signature)	Date/Time:		☐ MA State DW Required
		Other:	PWSID #

con-test ANALYTICAL LABORATORY www.contestlabs.com

NELAC and AIHA-LAP, LLC Accredited

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

Other
☐ Chromatogram
☐ *AIHA-LAP,LLC*

PCB ONLY
☐ Soxhlet
☐ Non Soxhlet

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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 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 pertinent Information? Client T Analysis T Sampler Name T
Project T ID's T Collection Dates/Times T
Are Sample labels filled out and legible? T
Are there Lab to Filters? F Who was notified? ___
Are there Rushes? F Who was notified? ___
Are there Short Holds? F Who was notified? ___
Is there enough Volume? T
Is there Headspace where applicable? T MS/MSD? 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	5
Meoh-		250 mL Amb.		250 mL Plastic		4oz ~~Amb~~/Clear	21
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: Lisa Worthington **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.

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

September 11, 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: 17H1432

Enclosed are results of analyses for samples received by the laboratory on August 25, 2017. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

James M. Georgantas
Project Manager

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

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

REPORT DATE: 9/11/2017

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 2170495

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 17H1432

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-9-SE-85	17H1432-01	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 6010C-D	
				SW-846 7471B	
				SW-846 8082A	
				SW-846 8260C	
				SW-846 8270D	
WS-AOC-9-SE-87	17H1432-02	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 6010C-D	
				SW-846 7471B	
				SW-846 8082A	
				SW-846 8260C	
				SW-846 8270D	
WS-AOC-9-SE-88	17H1432-03	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 6010C-D	
				SW-846 7471B	
				SW-846 8082A	
				SW-846 8260C	
				SW-846 8270D	
WS-AOC-9-SE-90	17H1432-04	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 6010C-D	
				SW-846 7471B	
				SW-846 8082A	
				SW-846 8260C	
				SW-846 8270D	
WS-AOC-8-SE-23	17H1432-05	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 6010C-D	
				SW-846 7471B	
				SW-846 8082A	
				SW-846 8260C	
				SW-846 8270D	
Trip Blank	17H1432-06	Trip Blank Soil		SW-846 8260C	

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

REPORT DATE: 9/11/2017

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 2170495

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 17H1432

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
EB-52	17H1432-07	Equipment Blank Water		CTDEP ETPH	
				SW-846 6020A-B	
				SW-846 7470A	
				SW-846 8082A	
				SW-846 8260C	
				SW-846 8270D	

con-test® ANALYTICAL LABORATORY

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

CASE NARRATIVE SUMMARY

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

con-test® ANALYTICAL LABORATORY

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

SW-846 6010C-D

Qualifications:

DL-04

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

Analyte & Samples(s) Qualified:

Silver
17H1432-01[WS-AOC-9-SE-85]

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
17H1432-07[EB-52], B185250-BLK1, B185250-BS1, B185250-BSD1

Aroclor-1016 [2C]
17H1432-07[EB-52], B185250-BLK1, B185250-BS1, B185250-BSD1

Aroclor-1260
17H1432-07[EB-52], B185250-BLK1, B185250-BS1, B185250-BSD1

Aroclor-1260 [2C]
17H1432-07[EB-52], B185250-BLK1, B185250-BS1, B185250-BSD1

SW-846 8260C

Qualifications:

L-01

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

Analyte & Samples(s) Qualified:

1,2-Dibromo-3-chloropropane (DB
B185016-BS1

Chloromethane
B185016-BS1, B185190-BS1

V-20

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

Analyte & Samples(s) Qualified:

Chloromethane
B185190-BS1

SW-846 8270D

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:

2-Methylnaphthalene (SIM)
17H1432-07[EB-52], B185602-BLK1, B185602-BS1, B185602-BSD1

Dibenz(a,h)anthracene (SIM)
17H1432-07[EB-52], B185602-BLK1, B185602-BS1, B185602-BSD1

Indeno(1,2,3-cd)pyrene (SIM)
17H1432-07[EB-52], B185602-BLK1, B185602-BS1, B185602-BSD1

con-test® ANALYTICAL LABORATORY

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RL-03

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

Analyte & Samples(s) Qualified:

Bis(2-Ethylhexyl)phthalate
17H1432-07[EB-52]

Hexachlorobenzene
17H1432-07[EB-52]

Pentachlorophenol
17H1432-07[EB-52]

S-07

One associated surrogate standard recovery is outside of control limits but the other(s) is/are within limits. All recoveries are > 10%.

Analyte & Samples(s) Qualified:

2,4,6-Tribromophenol
B185269-BLK1

V-05

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

Analyte & Samples(s) Qualified:

Hexachlorocyclopentadiene
17H1432-07[EB-52], B185269-BLK1, B185269-BS1, B185269-BSD1

V-16

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

Analyte & Samples(s) Qualified:

Pentachloronitrobenzene
17H1432-01[WS-AOC-9-SE-85], 17H1432-02[WS-AOC-9-SE-87], 17H1432-03[WS-AOC-9-SE-88], 17H1432-04[WS-AOC-9-SE-90], 17H1432-05[WS-AOC-8-SE-23], 17H1432-07[EB-52], B185269-BLK1, B185269-BS1, B185269-BSD1, B185320-BLK1, B185320-BS1, B185320-BSD1

V-20

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

Analyte & Samples(s) Qualified:

4-Nitrophenol
17H1432-01[WS-AOC-9-SE-85], 17H1432-02[WS-AOC-9-SE-87], 17H1432-03[WS-AOC-9-SE-88], 17H1432-04[WS-AOC-9-SE-90], 17H1432-05[WS-AOC-8-SE-23], B185320-BLK1, B185320-BS1, B185320-BSD1

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

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

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

SW-846 8260C

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

SW-846 8270D

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

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

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

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

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

Lisa A. Worthington
Project Manager

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1432

Date Received: 8/25/2017

Field Sample #: WS-AOC-9-SE-85 Sampled: 8/25/2017 13:30

Sample ID: 17H1432-01

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	2.0	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 14:48	EEH
Acrylonitrile	ND	0.20	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 14:48	EEH
Benzene	ND	0.040	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 14:48	EEH
Bromobenzene	ND	0.040	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 14:48	EEH
Bromodichloromethane	ND	0.040	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 14:48	EEH
Bromoform	ND	0.040	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 14:48	EEH
Bromomethane	ND	0.081	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 14:48	EEH
2-Butanone (MEK)	ND	0.81	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 14:48	EEH
n-Butylbenzene	ND	0.040	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 14:48	EEH
sec-Butylbenzene	ND	0.040	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 14:48	EEH
tert-Butylbenzene	ND	0.040	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 14:48	EEH
Carbon Disulfide	ND	0.12	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 14:48	EEH
Carbon Tetrachloride	ND	0.040	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 14:48	EEH
Chlorobenzene	ND	0.040	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 14:48	EEH
Chlorodibromomethane	ND	0.020	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 14:48	EEH
Chloroethane	ND	0.081	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 14:48	EEH
Chloroform	ND	0.081	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 14:48	EEH
Chloromethane	ND	0.081	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 14:48	EEH
2-Chlorotoluene	ND	0.040	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 14:48	EEH
4-Chlorotoluene	ND	0.040	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 14:48	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.20	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 14:48	EEH
1,2-Dibromoethane (EDB)	ND	0.020	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 14:48	EEH
Dibromomethane	ND	0.040	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 14:48	EEH
1,2-Dichlorobenzene	ND	0.040	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 14:48	EEH
1,3-Dichlorobenzene	ND	0.040	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 14:48	EEH
1,4-Dichlorobenzene	ND	0.040	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 14:48	EEH
trans-1,4-Dichloro-2-butene	ND	0.081	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 14:48	EEH
Dichlorodifluoromethane (Freon 12)	ND	0.081	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 14:48	EEH
1,1-Dichloroethane	0.19	0.040	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 14:48	EEH
1,2-Dichloroethane	ND	0.081	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 14:48	EEH
1,1-Dichloroethylene	ND	0.040	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 14:48	EEH
cis-1,2-Dichloroethylene	0.10	0.040	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 14:48	EEH
trans-1,2-Dichloroethylene	0.041	0.040	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 14:48	EEH
1,2-Dichloropropane	ND	0.040	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 14:48	EEH
1,3-Dichloropropane	ND	0.020	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 14:48	EEH
2,2-Dichloropropane	ND	0.040	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 14:48	EEH
1,1-Dichloropropene	ND	0.081	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 14:48	EEH
cis-1,3-Dichloropropene	ND	0.020	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 14:48	EEH
trans-1,3-Dichloropropene	ND	0.020	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 14:48	EEH
Ethylbenzene	ND	0.040	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 14:48	EEH
Hexachlorobutadiene	ND	0.040	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 14:48	EEH
2-Hexanone (MBK)	ND	0.40	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 14:48	EEH
Isopropylbenzene (Cumene)	ND	0.040	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 14:48	EEH
p-Isopropyltoluene (p-Cymene)	ND	0.040	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 14:48	EEH

con-test® ANALYTICAL LABORATORY

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1432

Date Received: 8/25/2017

Field Sample #: WS-AOC-9-SE-85 Sampled: 8/25/2017 13:30

Sample ID: 17H1432-01

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	0.040	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 14:48	EEH
Methylene Chloride	ND	0.20	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 14:48	EEH
4-Methyl-2-pentanone (MIBK)	ND	0.40	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 14:48	EEH
Naphthalene	ND	0.081	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 14:48	EEH
n-Propylbenzene	ND	0.040	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 14:48	EEH
Styrene	0.091	0.040	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 14:48	EEH
1,1,1,2-Tetrachloroethane	ND	0.040	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 14:48	EEH
1,1,2,2-Tetrachloroethane	ND	0.020	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 14:48	EEH
Tetrachloroethylene	0.34	0.040	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 14:48	EEH
Tetrahydrofuran	ND	0.40	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 14:48	EEH
Toluene	ND	0.040	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 14:48	EEH
1,2,3-Trichlorobenzene	ND	0.20	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 14:48	EEH
1,2,4-Trichlorobenzene	0.065	0.040	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 14:48	EEH
1,1,1-Trichloroethane	0.39	0.040	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 14:48	EEH
1,1,2-Trichloroethane	ND	0.040	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 14:48	EEH
Trichloroethylene	0.090	0.040	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 14:48	EEH
Trichlorofluoromethane (Freon 11)	ND	0.081	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 14:48	EEH
1,2,3-Trichloropropane	ND	0.081	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 14:48	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.040	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 14:48	EEH
1,2,4-Trimethylbenzene	ND	0.040	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 14:48	EEH
1,3,5-Trimethylbenzene	ND	0.040	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 14:48	EEH
Vinyl Chloride	ND	0.081	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 14:48	EEH
m+p Xylene	ND	0.081	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 14:48	EEH
o-Xylene	ND	0.040	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 14:48	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	117	70-130		9/5/17 14:48
Toluene-d8	100	70-130		9/5/17 14:48
4-Bromofluorobenzene	97.0	70-130		9/5/17 14:48

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1432

Date Received: 8/25/2017

Field Sample #: WS-AOC-9-SE-85 Sampled: 8/25/2017 13:30

Sample ID: 17H1432-01

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 15:16	BGL
Acenaphthylene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 15:16	BGL
Aniline	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 15:16	BGL
Anthracene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 15:16	BGL
Benzo(a)anthracene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 15:16	BGL
Benzo(a)pyrene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 15:16	BGL
Benzo(b)fluoranthene	0.24	0.19	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 15:16	BGL
Benzo(g,h,i)perylene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 15:16	BGL
Benzo(k)fluoranthene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 15:16	BGL
Bis(2-chloroethoxy)methane	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 15:16	BGL
Bis(2-chloroethyl)ether	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 15:16	BGL
Bis(2-chloroisopropyl)ether	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 15:16	BGL
Bis(2-Ethylhexyl)phthalate	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 15:16	BGL
4-Bromophenylphenylether	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 15:16	BGL
Butylbenzylphthalate	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 15:16	BGL
Carbazole	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 15:16	BGL
4-Chloroaniline	ND	0.73	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 15:16	BGL
4-Chloro-3-methylphenol	ND	0.73	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 15:16	BGL
2-Chloronaphthalene	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 15:16	BGL
2-Chlorophenol	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 15:16	BGL
4-Chlorophenylphenylether	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 15:16	BGL
Chrysene	0.24	0.19	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 15:16	BGL
Dibenz(a,h)anthracene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 15:16	BGL
Dibenzofuran	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 15:16	BGL
Di-n-butylphthalate	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 15:16	BGL
3,3-Dichlorobenzidine	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 15:16	BGL
2,4-Dichlorophenol	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 15:16	BGL
Diethylphthalate	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 15:16	BGL
2,4-Dimethylphenol	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 15:16	BGL
Dimethylphthalate	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 15:16	BGL
4,6-Dinitro-2-methylphenol	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 15:16	BGL
2,4-Dinitrophenol	ND	0.73	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 15:16	BGL
2,4-Dinitrotoluene	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 15:16	BGL
2,6-Dinitrotoluene	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 15:16	BGL
Di-n-octylphthalate	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 15:16	BGL
Fluoranthene	0.36	0.19	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 15:16	BGL
Fluorene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 15:16	BGL
Hexachlorobenzene	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 15:16	BGL
Hexachlorobutadiene	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 15:16	BGL
Hexachlorocyclopentadiene	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 15:16	BGL
Hexachloroethane	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 15:16	BGL
Indeno(1,2,3-cd)pyrene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 15:16	BGL
Isophorone	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 15:16	BGL
2-Methylnaphthalene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 15:16	BGL

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1432

Date Received: 8/25/2017

Field Sample #: WS-AOC-9-SE-85 Sampled: 8/25/2017 13:30

Sample ID: 17H1432-01

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Methylphenol	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 15:16	BGL
3/4-Methylphenol	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 15:16	BGL
Naphthalene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 15:16	BGL
2-Nitroaniline	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 15:16	BGL
3-Nitroaniline	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 15:16	BGL
4-Nitroaniline	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 15:16	BGL
Nitrobenzene	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 15:16	BGL
2-Nitrophenol	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 15:16	BGL
4-Nitrophenol	ND	0.73	mg/Kg dry	1	V-20	SW-846 8270D	8/31/17	9/5/17 15:16	BGL
N-Nitrosodiphenylamine	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 15:16	BGL
N-Nitrosodi-n-propylamine	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 15:16	BGL
Pentachloronitrobenzene	ND	0.38	mg/Kg dry	1	V-16	SW-846 8270D	8/31/17	9/5/17 15:16	BGL
Pentachlorophenol	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 15:16	BGL
Phenanthrene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 15:16	BGL
Phenol	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 15:16	BGL
Pyrene	0.43	0.19	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 15:16	BGL
Pyridine	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 15:16	BGL
1,2,4,5-Tetrachlorobenzene	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 15:16	BGL
1,2,4-Trichlorobenzene	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 15:16	BGL
2,4,5-Trichlorophenol	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 15:16	BGL
2,4,6-Trichlorophenol	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 15:16	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	59.1	30-130		9/5/17 15:16
Phenol-d6	60.8	30-130		9/5/17 15:16
Nitrobenzene-d5	61.0	30-130		9/5/17 15:16
2-Fluorobiphenyl	63.5	30-130		9/5/17 15:16
2,4,6-Tribromophenol	63.0	30-130		9/5/17 15:16
p-Terphenyl-d14	83.6	30-130		9/5/17 15:16

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1432

Date Received: 8/25/2017

Field Sample #: WS-AOC-9-SE-85 Sampled: 8/25/2017 13:30

Sample ID: 17H1432-01

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	0.22	mg/Kg dry	10		SW-846 8082A	9/1/17	9/11/17 12:15	KAL
Aroclor-1221 [1]	ND	0.22	mg/Kg dry	10		SW-846 8082A	9/1/17	9/11/17 12:15	KAL
Aroclor-1232 [1]	ND	0.22	mg/Kg dry	10		SW-846 8082A	9/1/17	9/11/17 12:15	KAL
Aroclor-1242 [1]	ND	0.22	mg/Kg dry	10		SW-846 8082A	9/1/17	9/11/17 12:15	KAL
Aroclor-1248 [1]	ND	0.22	mg/Kg dry	10		SW-846 8082A	9/1/17	9/11/17 12:15	KAL
Aroclor-1254 [1]	ND	0.22	mg/Kg dry	10		SW-846 8082A	9/1/17	9/11/17 12:15	KAL
Aroclor-1260 [1]	1.4	0.22	mg/Kg dry	10		SW-846 8082A	9/1/17	9/11/17 12:15	KAL
Aroclor-1262 [1]	ND	0.22	mg/Kg dry	10		SW-846 8082A	9/1/17	9/11/17 12:15	KAL
Aroclor-1268 [1]	ND	0.22	mg/Kg dry	10		SW-846 8082A	9/1/17	9/11/17 12:15	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	123	30-150		9/11/17 12:15
Decachlorobiphenyl [2]	109	30-150		9/11/17 12:15
Tetrachloro-m-xylene [1]	107	30-150		9/11/17 12:15
Tetrachloro-m-xylene [2]	107	30-150		9/11/17 12:15

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1432

Date Received: 8/25/2017

Field Sample #: WS-AOC-9-SE-85 Sampled: 8/25/2017 13:30

Sample ID: 17H1432-01

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	250	55	mg/Kg dry	5		CTDEP ETPH	8/31/17	9/6/17 1:20	SCS

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
o-Terphenyl	71.2	50-150		9/6/17 1:20

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1432

Date Received: 8/25/2017

Field Sample #: WS-AOC-9-SE-85 Sampled: 8/25/2017 13:30

Sample ID: 17H1432-01

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	ND	2.8	mg/Kg dry	1		SW-846 6010C-D	8/30/17	8/31/17 15:22	AMP
Arsenic	ND	2.8	mg/Kg dry	1		SW-846 6010C-D	8/30/17	8/31/17 15:22	AMP
Barium	39	2.8	mg/Kg dry	1		SW-846 6010C-D	8/30/17	8/31/17 15:22	AMP
Beryllium	ND	0.28	mg/Kg dry	1		SW-846 6010C-D	8/30/17	8/31/17 15:22	AMP
Cadmium	0.65	0.28	mg/Kg dry	1		SW-846 6010C-D	8/30/17	8/31/17 15:22	AMP
Chromium	7.8	0.56	mg/Kg dry	1		SW-846 6010C-D	8/30/17	8/31/17 15:22	AMP
Copper	350	0.56	mg/Kg dry	1		SW-846 6010C-D	8/30/17	8/31/17 15:22	AMP
Lead	310	0.84	mg/Kg dry	1		SW-846 6010C-D	8/30/17	8/31/17 15:22	AMP
Mercury	ND	0.028	mg/Kg dry	1		SW-846 7471B	8/30/17	9/5/17 14:10	TJK
Nickel	11	0.56	mg/Kg dry	1		SW-846 6010C-D	8/30/17	8/31/17 15:22	AMP
Selenium	ND	5.6	mg/Kg dry	1		SW-846 6010C-D	8/30/17	8/31/17 15:22	AMP
Silver	ND	1.1	mg/Kg dry	2	DL-04	SW-846 6010C-D	8/30/17	8/31/17 16:59	AMP
Thallium	ND	2.8	mg/Kg dry	1		SW-846 6010C-D	8/30/17	8/31/17 15:22	AMP
Vanadium	39	1.1	mg/Kg dry	1		SW-846 6010C-D	8/30/17	8/31/17 15:22	AMP
Zinc	720	1.1	mg/Kg dry	1		SW-846 6010C-D	8/30/17	8/31/17 15:22	AMP

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1432

Date Received: 8/25/2017

Field Sample #: WS-AOC-9-SE-85 Sampled: 8/25/2017 13:30

Sample ID: 17H1432-01

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	90.6		% Wt	1		SM 2540G	8/31/17	9/1/17 7:54	MRL

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1432

Date Received: 8/25/2017

Field Sample #: WS-AOC-9-SE-87 Sampled: 8/25/2017 13:40

Sample ID: 17H1432-02

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	0.078	mg/Kg dry	1		SW-846 8260C	8/28/17	8/28/17 12:42	MFF
Acrylonitrile	ND	0.0047	mg/Kg dry	1		SW-846 8260C	8/28/17	8/28/17 12:42	MFF
Benzene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/28/17	8/28/17 12:42	MFF
Bromobenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/28/17	8/28/17 12:42	MFF
Bromodichloromethane	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/28/17	8/28/17 12:42	MFF
Bromoform	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/28/17	8/28/17 12:42	MFF
Bromomethane	ND	0.0078	mg/Kg dry	1		SW-846 8260C	8/28/17	8/28/17 12:42	MFF
2-Butanone (MEK)	ND	0.031	mg/Kg dry	1		SW-846 8260C	8/28/17	8/28/17 12:42	MFF
n-Butylbenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/28/17	8/28/17 12:42	MFF
sec-Butylbenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/28/17	8/28/17 12:42	MFF
tert-Butylbenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/28/17	8/28/17 12:42	MFF
Carbon Disulfide	ND	0.0047	mg/Kg dry	1		SW-846 8260C	8/28/17	8/28/17 12:42	MFF
Carbon Tetrachloride	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/28/17	8/28/17 12:42	MFF
Chlorobenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/28/17	8/28/17 12:42	MFF
Chlorodibromomethane	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/28/17	8/28/17 12:42	MFF
Chloroethane	ND	0.016	mg/Kg dry	1		SW-846 8260C	8/28/17	8/28/17 12:42	MFF
Chloroform	ND	0.0031	mg/Kg dry	1		SW-846 8260C	8/28/17	8/28/17 12:42	MFF
Chloromethane	ND	0.0078	mg/Kg dry	1		SW-846 8260C	8/28/17	8/28/17 12:42	MFF
2-Chlorotoluene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/28/17	8/28/17 12:42	MFF
4-Chlorotoluene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/28/17	8/28/17 12:42	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0031	mg/Kg dry	1		SW-846 8260C	8/28/17	8/28/17 12:42	MFF
1,2-Dibromoethane (EDB)	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/28/17	8/28/17 12:42	MFF
Dibromomethane	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/28/17	8/28/17 12:42	MFF
1,2-Dichlorobenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/28/17	8/28/17 12:42	MFF
1,3-Dichlorobenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/28/17	8/28/17 12:42	MFF
1,4-Dichlorobenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/28/17	8/28/17 12:42	MFF
trans-1,4-Dichloro-2-butene	ND	0.0031	mg/Kg dry	1		SW-846 8260C	8/28/17	8/28/17 12:42	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.016	mg/Kg dry	1		SW-846 8260C	8/28/17	8/28/17 12:42	MFF
1,1-Dichloroethane	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/28/17	8/28/17 12:42	MFF
1,2-Dichloroethane	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/28/17	8/28/17 12:42	MFF
1,1-Dichloroethylene	ND	0.0031	mg/Kg dry	1		SW-846 8260C	8/28/17	8/28/17 12:42	MFF
cis-1,2-Dichloroethylene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/28/17	8/28/17 12:42	MFF
trans-1,2-Dichloroethylene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/28/17	8/28/17 12:42	MFF
1,2-Dichloropropane	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/28/17	8/28/17 12:42	MFF
1,3-Dichloropropane	ND	0.00078	mg/Kg dry	1		SW-846 8260C	8/28/17	8/28/17 12:42	MFF
2,2-Dichloropropane	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/28/17	8/28/17 12:42	MFF
1,1-Dichloropropene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/28/17	8/28/17 12:42	MFF
cis-1,3-Dichloropropene	ND	0.00078	mg/Kg dry	1		SW-846 8260C	8/28/17	8/28/17 12:42	MFF
trans-1,3-Dichloropropene	ND	0.00078	mg/Kg dry	1		SW-846 8260C	8/28/17	8/28/17 12:42	MFF
Ethylbenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/28/17	8/28/17 12:42	MFF
Hexachlorobutadiene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/28/17	8/28/17 12:42	MFF
2-Hexanone (MBK)	ND	0.016	mg/Kg dry	1		SW-846 8260C	8/28/17	8/28/17 12:42	MFF
Isopropylbenzene (Cumene)	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/28/17	8/28/17 12:42	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/28/17	8/28/17 12:42	MFF

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1432

Date Received: 8/25/2017

Field Sample #: WS-AOC-9-SE-87 Sampled: 8/25/2017 13:40

Sample ID: 17H1432-02

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	0.0031	mg/Kg dry	1		SW-846 8260C	8/28/17	8/28/17 12:42	MFF
Methylene Chloride	ND	0.016	mg/Kg dry	1		SW-846 8260C	8/28/17	8/28/17 12:42	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.016	mg/Kg dry	1		SW-846 8260C	8/28/17	8/28/17 12:42	MFF
Naphthalene	ND	0.0031	mg/Kg dry	1		SW-846 8260C	8/28/17	8/28/17 12:42	MFF
n-Propylbenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/28/17	8/28/17 12:42	MFF
Styrene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/28/17	8/28/17 12:42	MFF
1,1,1,2-Tetrachloroethane	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/28/17	8/28/17 12:42	MFF
1,1,2,2-Tetrachloroethane	ND	0.00078	mg/Kg dry	1		SW-846 8260C	8/28/17	8/28/17 12:42	MFF
Tetrachloroethylene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/28/17	8/28/17 12:42	MFF
Tetrahydrofuran	ND	0.0078	mg/Kg dry	1		SW-846 8260C	8/28/17	8/28/17 12:42	MFF
Toluene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/28/17	8/28/17 12:42	MFF
1,2,3-Trichlorobenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/28/17	8/28/17 12:42	MFF
1,2,4-Trichlorobenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/28/17	8/28/17 12:42	MFF
1,1,1-Trichloroethane	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/28/17	8/28/17 12:42	MFF
1,1,2-Trichloroethane	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/28/17	8/28/17 12:42	MFF
Trichloroethylene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/28/17	8/28/17 12:42	MFF
Trichlorofluoromethane (Freon 11)	ND	0.0078	mg/Kg dry	1		SW-846 8260C	8/28/17	8/28/17 12:42	MFF
1,2,3-Trichloropropane	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/28/17	8/28/17 12:42	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0078	mg/Kg dry	1		SW-846 8260C	8/28/17	8/28/17 12:42	MFF
1,2,4-Trimethylbenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/28/17	8/28/17 12:42	MFF
1,3,5-Trimethylbenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/28/17	8/28/17 12:42	MFF
Vinyl Chloride	ND	0.0078	mg/Kg dry	1		SW-846 8260C	8/28/17	8/28/17 12:42	MFF
m+p Xylene	ND	0.0031	mg/Kg dry	1		SW-846 8260C	8/28/17	8/28/17 12:42	MFF
o-Xylene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/28/17	8/28/17 12:42	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	101	70-130		8/28/17 12:42
Toluene-d8	94.0	70-130		8/28/17 12:42
4-Bromofluorobenzene	90.7	70-130		8/28/17 12:42

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1432

Date Received: 8/25/2017

Field Sample #: WS-AOC-9-SE-87 Sampled: 8/25/2017 13:40

Sample ID: 17H1432-02

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	8/31/17	9/5/17 15:44	BGL
Acenaphthylene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 15:44	BGL
Aniline	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 15:44	BGL
Anthracene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 15:44	BGL
Benzo(a)anthracene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 15:44	BGL
Benzo(a)pyrene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 15:44	BGL
Benzo(b)fluoranthene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 15:44	BGL
Benzo(g,h,i)perylene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 15:44	BGL
Benzo(k)fluoranthene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 15:44	BGL
Bis(2-chloroethoxy)methane	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 15:44	BGL
Bis(2-chloroethyl)ether	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 15:44	BGL
Bis(2-chloroisopropyl)ether	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 15:44	BGL
Bis(2-Ethylhexyl)phthalate	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 15:44	BGL
4-Bromophenylphenylether	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 15:44	BGL
Butylbenzylphthalate	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 15:44	BGL
Carbazole	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 15:44	BGL
4-Chloroaniline	ND	0.73	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 15:44	BGL
4-Chloro-3-methylphenol	ND	0.73	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 15:44	BGL
2-Chloronaphthalene	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 15:44	BGL
2-Chlorophenol	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 15:44	BGL
4-Chlorophenylphenylether	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 15:44	BGL
Chrysene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 15:44	BGL
Dibenz(a,h)anthracene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 15:44	BGL
Dibenzofuran	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 15:44	BGL
Di-n-butylphthalate	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 15:44	BGL
3,3-Dichlorobenzidine	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 15:44	BGL
2,4-Dichlorophenol	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 15:44	BGL
Diethylphthalate	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 15:44	BGL
2,4-Dimethylphenol	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 15:44	BGL
Dimethylphthalate	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 15:44	BGL
4,6-Dinitro-2-methylphenol	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 15:44	BGL
2,4-Dinitrophenol	ND	0.73	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 15:44	BGL
2,4-Dinitrotoluene	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 15:44	BGL
2,6-Dinitrotoluene	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 15:44	BGL
Di-n-octylphthalate	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 15:44	BGL
Fluoranthene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 15:44	BGL
Fluorene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 15:44	BGL
Hexachlorobenzene	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 15:44	BGL
Hexachlorobutadiene	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 15:44	BGL
Hexachlorocyclopentadiene	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 15:44	BGL
Hexachloroethane	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 15:44	BGL
Indeno(1,2,3-cd)pyrene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 15:44	BGL
Isophorone	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 15:44	BGL
2-Methylnaphthalene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 15:44	BGL

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1432

Date Received: 8/25/2017

Field Sample #: WS-AOC-9-SE-87 Sampled: 8/25/2017 13:40

Sample ID: 17H1432-02

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Methylphenol	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 15:44	BGL
3/4-Methylphenol	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 15:44	BGL
Naphthalene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 15:44	BGL
2-Nitroaniline	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 15:44	BGL
3-Nitroaniline	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 15:44	BGL
4-Nitroaniline	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 15:44	BGL
Nitrobenzene	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 15:44	BGL
2-Nitrophenol	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 15:44	BGL
4-Nitrophenol	ND	0.73	mg/Kg dry	1	V-20	SW-846 8270D	8/31/17	9/5/17 15:44	BGL
N-Nitrosodiphenylamine	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 15:44	BGL
N-Nitrosodi-n-propylamine	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 15:44	BGL
Pentachloronitrobenzene	ND	0.37	mg/Kg dry	1	V-16	SW-846 8270D	8/31/17	9/5/17 15:44	BGL
Pentachlorophenol	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 15:44	BGL
Phenanthrene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 15:44	BGL
Phenol	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 15:44	BGL
Pyrene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 15:44	BGL
Pyridine	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 15:44	BGL
1,2,4,5-Tetrachlorobenzene	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 15:44	BGL
1,2,4-Trichlorobenzene	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 15:44	BGL
2,4,5-Trichlorophenol	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 15:44	BGL
2,4,6-Trichlorophenol	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 15:44	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	60.7	30-130		9/5/17 15:44
Phenol-d6	60.4	30-130		9/5/17 15:44
Nitrobenzene-d5	64.6	30-130		9/5/17 15:44
2-Fluorobiphenyl	62.8	30-130		9/5/17 15:44
2,4,6-Tribromophenol	65.7	30-130		9/5/17 15:44
p-Terphenyl-d14	85.7	30-130		9/5/17 15:44

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1432

Date Received: 8/25/2017

Field Sample #: WS-AOC-9-SE-87 Sampled: 8/25/2017 13:40

Sample ID: 17H1432-02

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	0.087	mg/Kg dry	4		SW-846 8082A	9/1/17	9/7/17 11:23	KAL
Aroclor-1221 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	9/1/17	9/7/17 11:23	KAL
Aroclor-1232 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	9/1/17	9/7/17 11:23	KAL
Aroclor-1242 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	9/1/17	9/7/17 11:23	KAL
Aroclor-1248 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	9/1/17	9/7/17 11:23	KAL
Aroclor-1254 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	9/1/17	9/7/17 11:23	KAL
Aroclor-1260 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	9/1/17	9/7/17 11:23	KAL
Aroclor-1262 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	9/1/17	9/7/17 11:23	KAL
Aroclor-1268 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	9/1/17	9/7/17 11:23	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	108	30-150		9/7/17 11:23
Decachlorobiphenyl [2]	95.5	30-150		9/7/17 11:23
Tetrachloro-m-xylene [1]	92.7	30-150		9/7/17 11:23
Tetrachloro-m-xylene [2]	98.4	30-150		9/7/17 11:23

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1432

Date Received: 8/25/2017

Field Sample #: WS-AOC-9-SE-87 Sampled: 8/25/2017 13:40

Sample ID: 17H1432-02

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	ND	11	mg/Kg dry	1		CTDEP ETPH	8/31/17	9/6/17 1:20	SCS

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
o-Terphenyl	85.8	50-150		9/6/17 1:20

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1432

Date Received: 8/25/2017

Field Sample #: WS-AOC-9-SE-87 Sampled: 8/25/2017 13:40

Sample ID: 17H1432-02

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	ND	2.8	mg/Kg dry	1		SW-846 6010C-D	8/30/17	8/31/17 15:26	AMP
Arsenic	ND	2.8	mg/Kg dry	1		SW-846 6010C-D	8/30/17	8/31/17 15:26	AMP
Barium	48	2.8	mg/Kg dry	1		SW-846 6010C-D	8/30/17	8/31/17 15:26	AMP
Beryllium	ND	0.28	mg/Kg dry	1		SW-846 6010C-D	8/30/17	8/31/17 15:26	AMP
Cadmium	ND	0.28	mg/Kg dry	1		SW-846 6010C-D	8/30/17	8/31/17 15:26	AMP
Chromium	15	0.55	mg/Kg dry	1		SW-846 6010C-D	8/30/17	8/31/17 15:26	AMP
Copper	18	0.55	mg/Kg dry	1		SW-846 6010C-D	8/30/17	8/31/17 15:26	AMP
Lead	2.1	0.83	mg/Kg dry	1		SW-846 6010C-D	8/30/17	8/31/17 15:26	AMP
Mercury	ND	0.027	mg/Kg dry	1		SW-846 7471B	8/30/17	9/5/17 14:11	TJK
Nickel	9.5	0.55	mg/Kg dry	1		SW-846 6010C-D	8/30/17	8/31/17 15:26	AMP
Selenium	ND	5.5	mg/Kg dry	1		SW-846 6010C-D	8/30/17	8/31/17 15:26	AMP
Silver	ND	0.55	mg/Kg dry	1		SW-846 6010C-D	8/30/17	8/31/17 15:26	AMP
Thallium	ND	2.8	mg/Kg dry	1		SW-846 6010C-D	8/30/17	8/31/17 15:26	AMP
Vanadium	19	1.1	mg/Kg dry	1		SW-846 6010C-D	8/30/17	8/31/17 15:26	AMP
Zinc	19	1.1	mg/Kg dry	1		SW-846 6010C-D	8/30/17	8/31/17 15:26	AMP

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1432

Date Received: 8/25/2017

Field Sample #: WS-AOC-9-SE-87 Sampled: 8/25/2017 13:40

Sample ID: 17H1432-02

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	90.7		% Wt	1		SM 2540G	8/31/17	9/1/17 7:54	MRL

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1432

Date Received: 8/25/2017

Field Sample #: WS-AOC-9-SE-88 Sampled: 8/25/2017 13:50

Sample ID: 17H1432-03

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	9.9	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 15:17	EEH
Acrylonitrile	ND	0.99	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 15:17	EEH
Benzene	ND	0.20	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 15:17	EEH
Bromobenzene	ND	0.20	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 15:17	EEH
Bromodichloromethane	ND	0.20	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 15:17	EEH
Bromoform	ND	0.20	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 15:17	EEH
Bromomethane	ND	0.40	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 15:17	EEH
2-Butanone (MEK)	ND	4.0	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 15:17	EEH
n-Butylbenzene	ND	0.20	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 15:17	EEH
sec-Butylbenzene	ND	0.20	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 15:17	EEH
tert-Butylbenzene	ND	0.20	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 15:17	EEH
Carbon Disulfide	ND	0.60	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 15:17	EEH
Carbon Tetrachloride	ND	0.20	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 15:17	EEH
Chlorobenzene	ND	0.20	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 15:17	EEH
Chlorodibromomethane	ND	0.099	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 15:17	EEH
Chloroethane	ND	0.40	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 15:17	EEH
Chloroform	ND	0.40	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 15:17	EEH
Chloromethane	ND	0.40	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 15:17	EEH
2-Chlorotoluene	ND	0.20	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 15:17	EEH
4-Chlorotoluene	ND	0.20	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 15:17	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.99	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 15:17	EEH
1,2-Dibromoethane (EDB)	ND	0.099	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 15:17	EEH
Dibromomethane	ND	0.20	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 15:17	EEH
1,2-Dichlorobenzene	ND	0.20	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 15:17	EEH
1,3-Dichlorobenzene	ND	0.20	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 15:17	EEH
1,4-Dichlorobenzene	ND	0.20	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 15:17	EEH
trans-1,4-Dichloro-2-butene	ND	0.40	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 15:17	EEH
Dichlorodifluoromethane (Freon 12)	ND	0.40	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 15:17	EEH
1,1-Dichloroethane	ND	0.20	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 15:17	EEH
1,2-Dichloroethane	ND	0.40	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 15:17	EEH
1,1-Dichloroethylene	ND	0.20	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 15:17	EEH
cis-1,2-Dichloroethylene	ND	0.20	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 15:17	EEH
trans-1,2-Dichloroethylene	ND	0.20	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 15:17	EEH
1,2-Dichloropropane	ND	0.20	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 15:17	EEH
1,3-Dichloropropane	ND	0.099	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 15:17	EEH
2,2-Dichloropropane	ND	0.20	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 15:17	EEH
1,1-Dichloropropene	ND	0.40	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 15:17	EEH
cis-1,3-Dichloropropene	ND	0.099	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 15:17	EEH
trans-1,3-Dichloropropene	ND	0.099	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 15:17	EEH
Ethylbenzene	ND	0.20	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 15:17	EEH
Hexachlorobutadiene	ND	0.20	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 15:17	EEH
2-Hexanone (MBK)	ND	2.0	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 15:17	EEH
Isopropylbenzene (Cumene)	ND	0.20	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 15:17	EEH
p-Isopropyltoluene (p-Cymene)	ND	0.20	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 15:17	EEH

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1432

Date Received: 8/25/2017

Field Sample #: WS-AOC-9-SE-88 Sampled: 8/25/2017 13:50

Sample ID: 17H1432-03

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	0.20	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 15:17	EEH
Methylene Chloride	ND	0.99	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 15:17	EEH
4-Methyl-2-pentanone (MIBK)	ND	2.0	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 15:17	EEH
Naphthalene	ND	0.40	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 15:17	EEH
n-Propylbenzene	ND	0.20	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 15:17	EEH
Styrene	ND	0.20	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 15:17	EEH
1,1,1,2-Tetrachloroethane	ND	0.20	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 15:17	EEH
1,1,2,2-Tetrachloroethane	ND	0.099	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 15:17	EEH
Tetrachloroethylene	ND	0.20	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 15:17	EEH
Tetrahydrofuran	ND	2.0	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 15:17	EEH
Toluene	ND	0.20	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 15:17	EEH
1,2,3-Trichlorobenzene	ND	0.99	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 15:17	EEH
1,2,4-Trichlorobenzene	ND	0.20	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 15:17	EEH
1,1,1-Trichloroethane	ND	0.20	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 15:17	EEH
1,1,2-Trichloroethane	ND	0.20	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 15:17	EEH
Trichloroethylene	ND	0.20	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 15:17	EEH
Trichlorofluoromethane (Freon 11)	ND	0.40	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 15:17	EEH
1,2,3-Trichloropropane	ND	0.40	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 15:17	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.20	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 15:17	EEH
1,2,4-Trimethylbenzene	ND	0.20	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 15:17	EEH
1,3,5-Trimethylbenzene	ND	0.20	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 15:17	EEH
Vinyl Chloride	ND	0.40	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 15:17	EEH
m+p Xylene	ND	0.40	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 15:17	EEH
o-Xylene	ND	0.20	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 15:17	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	114	70-130		9/5/17 15:17
Toluene-d8	101	70-130		9/5/17 15:17
4-Bromofluorobenzene	94.2	70-130		9/5/17 15:17

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1432

Date Received: 8/25/2017

Field Sample #: WS-AOC-9-SE-88 Sampled: 8/25/2017 13:50

Sample ID: 17H1432-03

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	0.40	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 16:11	BGL
Acenaphthylene	ND	0.40	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 16:11	BGL
Aniline	ND	0.80	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 16:11	BGL
Anthracene	ND	0.40	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 16:11	BGL
Benzo(a)anthracene	ND	0.40	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 16:11	BGL
Benzo(a)pyrene	ND	0.40	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 16:11	BGL
Benzo(b)fluoranthene	ND	0.40	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 16:11	BGL
Benzo(g,h,i)perylene	ND	0.40	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 16:11	BGL
Benzo(k)fluoranthene	ND	0.40	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 16:11	BGL
Bis(2-chloroethoxy)methane	ND	0.80	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 16:11	BGL
Bis(2-chloroethyl)ether	ND	0.80	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 16:11	BGL
Bis(2-chloroisopropyl)ether	ND	0.80	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 16:11	BGL
Bis(2-Ethylhexyl)phthalate	ND	0.80	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 16:11	BGL
4-Bromophenylphenylether	ND	0.80	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 16:11	BGL
Butylbenzylphthalate	ND	0.80	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 16:11	BGL
Carbazole	ND	0.40	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 16:11	BGL
4-Chloroaniline	ND	1.6	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 16:11	BGL
4-Chloro-3-methylphenol	ND	1.6	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 16:11	BGL
2-Chloronaphthalene	ND	0.80	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 16:11	BGL
2-Chlorophenol	ND	0.80	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 16:11	BGL
4-Chlorophenylphenylether	ND	0.80	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 16:11	BGL
Chrysene	ND	0.40	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 16:11	BGL
Dibenz(a,h)anthracene	ND	0.40	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 16:11	BGL
Dibenzofuran	ND	0.80	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 16:11	BGL
Di-n-butylphthalate	ND	0.80	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 16:11	BGL
3,3-Dichlorobenzidine	ND	0.40	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 16:11	BGL
2,4-Dichlorophenol	ND	0.80	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 16:11	BGL
Diethylphthalate	ND	0.80	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 16:11	BGL
2,4-Dimethylphenol	ND	0.80	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 16:11	BGL
Dimethylphthalate	ND	0.80	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 16:11	BGL
4,6-Dinitro-2-methylphenol	ND	0.80	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 16:11	BGL
2,4-Dinitrophenol	ND	1.6	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 16:11	BGL
2,4-Dinitrotoluene	ND	0.80	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 16:11	BGL
2,6-Dinitrotoluene	ND	0.80	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 16:11	BGL
Di-n-octylphthalate	ND	0.80	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 16:11	BGL
Fluoranthene	0.45	0.40	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 16:11	BGL
Fluorene	ND	0.40	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 16:11	BGL
Hexachlorobenzene	ND	0.80	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 16:11	BGL
Hexachlorobutadiene	ND	0.80	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 16:11	BGL
Hexachlorocyclopentadiene	ND	0.80	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 16:11	BGL
Hexachloroethane	ND	0.80	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 16:11	BGL
Indeno(1,2,3-cd)pyrene	ND	0.40	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 16:11	BGL
Isophorone	ND	0.80	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 16:11	BGL
2-Methylnaphthalene	ND	0.40	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 16:11	BGL

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1432

Date Received: 8/25/2017

Field Sample #: WS-AOC-9-SE-88 Sampled: 8/25/2017 13:50

Sample ID: 17H1432-03

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Methylphenol	ND	0.80	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 16:11	BGL
3/4-Methylphenol	ND	0.80	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 16:11	BGL
Naphthalene	ND	0.40	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 16:11	BGL
2-Nitroaniline	ND	0.80	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 16:11	BGL
3-Nitroaniline	ND	0.80	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 16:11	BGL
4-Nitroaniline	ND	0.80	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 16:11	BGL
Nitrobenzene	ND	0.80	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 16:11	BGL
2-Nitrophenol	ND	0.80	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 16:11	BGL
4-Nitrophenol	ND	1.6	mg/Kg dry	1	V-20	SW-846 8270D	8/31/17	9/5/17 16:11	BGL
N-Nitrosodiphenylamine	ND	0.80	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 16:11	BGL
N-Nitrosodi-n-propylamine	ND	0.80	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 16:11	BGL
Pentachloronitrobenzene	ND	0.80	mg/Kg dry	1	V-16	SW-846 8270D	8/31/17	9/5/17 16:11	BGL
Pentachlorophenol	ND	0.80	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 16:11	BGL
Phenanthrene	ND	0.40	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 16:11	BGL
Phenol	ND	0.80	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 16:11	BGL
Pyrene	0.57	0.40	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 16:11	BGL
Pyridine	ND	0.80	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 16:11	BGL
1,2,4,5-Tetrachlorobenzene	ND	0.80	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 16:11	BGL
1,2,4-Trichlorobenzene	ND	0.80	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 16:11	BGL
2,4,5-Trichlorophenol	ND	0.80	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 16:11	BGL
2,4,6-Trichlorophenol	ND	0.80	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 16:11	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	48.0	30-130		9/5/17 16:11
Phenol-d6	48.0	30-130		9/5/17 16:11
Nitrobenzene-d5	46.0	30-130		9/5/17 16:11
2-Fluorobiphenyl	48.5	30-130		9/5/17 16:11
2,4,6-Tribromophenol	44.4	30-130		9/5/17 16:11
p-Terphenyl-d14	61.9	30-130		9/5/17 16:11

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1432

Date Received: 8/25/2017

Field Sample #: WS-AOC-9-SE-88 Sampled: 8/25/2017 13:50

Sample ID: 17H1432-03

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	0.18	mg/Kg dry	4		SW-846 8082A	9/1/17	9/7/17 11:36	KAL
Aroclor-1221 [1]	ND	0.18	mg/Kg dry	4		SW-846 8082A	9/1/17	9/7/17 11:36	KAL
Aroclor-1232 [1]	ND	0.18	mg/Kg dry	4		SW-846 8082A	9/1/17	9/7/17 11:36	KAL
Aroclor-1242 [1]	ND	0.18	mg/Kg dry	4		SW-846 8082A	9/1/17	9/7/17 11:36	KAL
Aroclor-1248 [2]	0.31	0.18	mg/Kg dry	4		SW-846 8082A	9/1/17	9/7/17 11:36	KAL
Aroclor-1254 [2]	0.21	0.18	mg/Kg dry	4		SW-846 8082A	9/1/17	9/7/17 11:36	KAL
Aroclor-1260 [2]	0.24	0.18	mg/Kg dry	4		SW-846 8082A	9/1/17	9/7/17 11:36	KAL
Aroclor-1262 [1]	ND	0.18	mg/Kg dry	4		SW-846 8082A	9/1/17	9/7/17 11:36	KAL
Aroclor-1268 [1]	ND	0.18	mg/Kg dry	4		SW-846 8082A	9/1/17	9/7/17 11:36	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	74.0	30-150		9/7/17 11:36
Decachlorobiphenyl [2]	65.5	30-150		9/7/17 11:36
Tetrachloro-m-xylene [1]	67.6	30-150		9/7/17 11:36
Tetrachloro-m-xylene [2]	71.5	30-150		9/7/17 11:36

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1432

Date Received: 8/25/2017

Field Sample #: WS-AOC-9-SE-88 Sampled: 8/25/2017 13:50

Sample ID: 17H1432-03

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	520	120	mg/Kg dry	5		CTDEP ETPH	8/31/17	9/6/17 1:38	SCS

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
o-Terphenyl	57.7	50-150		9/6/17 1:38

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1432

Date Received: 8/25/2017

Field Sample #: WS-AOC-9-SE-88 Sampled: 8/25/2017 13:50

Sample ID: 17H1432-03

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	ND	5.6	mg/Kg dry	1		SW-846 6010C-D	8/30/17	8/31/17 15:29	AMP
Arsenic	ND	5.6	mg/Kg dry	1		SW-846 6010C-D	8/30/17	8/31/17 15:29	AMP
Barium	76	5.6	mg/Kg dry	1		SW-846 6010C-D	8/30/17	8/31/17 15:29	AMP
Beryllium	ND	0.56	mg/Kg dry	1		SW-846 6010C-D	8/30/17	8/31/17 15:29	AMP
Cadmium	3.1	0.56	mg/Kg dry	1		SW-846 6010C-D	8/30/17	8/31/17 15:29	AMP
Chromium	110	1.1	mg/Kg dry	1		SW-846 6010C-D	8/30/17	8/31/17 15:29	AMP
Copper	290	1.1	mg/Kg dry	1		SW-846 6010C-D	8/30/17	8/31/17 15:29	AMP
Lead	170	1.7	mg/Kg dry	1		SW-846 6010C-D	8/30/17	8/31/17 15:29	AMP
Mercury	0.18	0.057	mg/Kg dry	1		SW-846 7471B	8/30/17	9/5/17 14:13	TJK
Nickel	41	1.1	mg/Kg dry	1		SW-846 6010C-D	8/30/17	8/31/17 15:29	AMP
Selenium	ND	11	mg/Kg dry	1		SW-846 6010C-D	8/30/17	8/31/17 15:29	AMP
Silver	ND	1.1	mg/Kg dry	1		SW-846 6010C-D	8/30/17	8/31/17 15:29	AMP
Thallium	ND	5.6	mg/Kg dry	1		SW-846 6010C-D	8/30/17	8/31/17 15:29	AMP
Vanadium	82	2.2	mg/Kg dry	1		SW-846 6010C-D	8/30/17	8/31/17 15:29	AMP
Zinc	340	2.2	mg/Kg dry	1		SW-846 6010C-D	8/30/17	8/31/17 15:29	AMP

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1432

Date Received: 8/25/2017

Field Sample #: WS-AOC-9-SE-88 Sampled: 8/25/2017 13:50

Sample ID: 17H1432-03

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	8/31/17	9/1/17 7:54	MRL

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1432

Date Received: 8/25/2017

Field Sample #: WS-AOC-9-SE-90 Sampled: 8/25/2017 14:00

Sample ID: 17H1432-04

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	11	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 15:44	EEH
Acrylonitrile	ND	1.1	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 15:44	EEH
Benzene	ND	0.22	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 15:44	EEH
Bromobenzene	ND	0.22	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 15:44	EEH
Bromodichloromethane	ND	0.22	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 15:44	EEH
Bromoform	ND	0.22	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 15:44	EEH
Bromomethane	ND	0.44	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 15:44	EEH
2-Butanone (MEK)	ND	4.4	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 15:44	EEH
n-Butylbenzene	ND	0.22	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 15:44	EEH
sec-Butylbenzene	ND	0.22	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 15:44	EEH
tert-Butylbenzene	ND	0.22	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 15:44	EEH
Carbon Disulfide	ND	0.66	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 15:44	EEH
Carbon Tetrachloride	ND	0.22	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 15:44	EEH
Chlorobenzene	ND	0.22	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 15:44	EEH
Chlorodibromomethane	ND	0.11	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 15:44	EEH
Chloroethane	ND	0.44	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 15:44	EEH
Chloroform	ND	0.44	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 15:44	EEH
Chloromethane	ND	0.44	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 15:44	EEH
2-Chlorotoluene	ND	0.22	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 15:44	EEH
4-Chlorotoluene	ND	0.22	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 15:44	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	1.1	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 15:44	EEH
1,2-Dibromoethane (EDB)	ND	0.11	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 15:44	EEH
Dibromomethane	ND	0.22	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 15:44	EEH
1,2-Dichlorobenzene	ND	0.22	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 15:44	EEH
1,3-Dichlorobenzene	ND	0.22	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 15:44	EEH
1,4-Dichlorobenzene	ND	0.22	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 15:44	EEH
trans-1,4-Dichloro-2-butene	ND	0.44	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 15:44	EEH
Dichlorodifluoromethane (Freon 12)	ND	0.44	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 15:44	EEH
1,1-Dichloroethane	ND	0.22	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 15:44	EEH
1,2-Dichloroethane	ND	0.44	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 15:44	EEH
1,1-Dichloroethylene	ND	0.22	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 15:44	EEH
cis-1,2-Dichloroethylene	ND	0.22	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 15:44	EEH
trans-1,2-Dichloroethylene	ND	0.22	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 15:44	EEH
1,2-Dichloropropane	ND	0.22	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 15:44	EEH
1,3-Dichloropropane	ND	0.11	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 15:44	EEH
2,2-Dichloropropane	ND	0.22	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 15:44	EEH
1,1-Dichloropropene	ND	0.44	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 15:44	EEH
cis-1,3-Dichloropropene	ND	0.11	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 15:44	EEH
trans-1,3-Dichloropropene	ND	0.11	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 15:44	EEH
Ethylbenzene	ND	0.22	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 15:44	EEH
Hexachlorobutadiene	ND	0.22	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 15:44	EEH
2-Hexanone (MBK)	ND	2.2	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 15:44	EEH
Isopropylbenzene (Cumene)	ND	0.22	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 15:44	EEH
p-Isopropyltoluene (p-Cymene)	ND	0.22	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 15:44	EEH

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1432

Date Received: 8/25/2017

Field Sample #: WS-AOC-9-SE-90 Sampled: 8/25/2017 14:00

Sample ID: 17H1432-04

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	0.22	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 15:44	EEH
Methylene Chloride	ND	1.1	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 15:44	EEH
4-Methyl-2-pentanone (MIBK)	ND	2.2	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 15:44	EEH
Naphthalene	ND	0.44	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 15:44	EEH
n-Propylbenzene	ND	0.22	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 15:44	EEH
Styrene	ND	0.22	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 15:44	EEH
1,1,1,2-Tetrachloroethane	ND	0.22	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 15:44	EEH
1,1,2,2-Tetrachloroethane	ND	0.11	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 15:44	EEH
Tetrachloroethylene	ND	0.22	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 15:44	EEH
Tetrahydrofuran	ND	2.2	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 15:44	EEH
Toluene	ND	0.22	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 15:44	EEH
1,2,3-Trichlorobenzene	ND	1.1	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 15:44	EEH
1,2,4-Trichlorobenzene	ND	0.22	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 15:44	EEH
1,1,1-Trichloroethane	ND	0.22	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 15:44	EEH
1,1,2-Trichloroethane	ND	0.22	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 15:44	EEH
Trichloroethylene	ND	0.22	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 15:44	EEH
Trichlorofluoromethane (Freon 11)	ND	0.44	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 15:44	EEH
1,2,3-Trichloropropane	ND	0.44	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 15:44	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.22	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 15:44	EEH
1,2,4-Trimethylbenzene	ND	0.22	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 15:44	EEH
1,3,5-Trimethylbenzene	ND	0.22	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 15:44	EEH
Vinyl Chloride	ND	0.44	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 15:44	EEH
m+p Xylene	ND	0.44	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 15:44	EEH
o-Xylene	ND	0.22	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 15:44	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	111	70-130		9/5/17 15:44
Toluene-d8	101	70-130		9/5/17 15:44
4-Bromofluorobenzene	94.8	70-130		9/5/17 15:44

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1432

Date Received: 8/25/2017

Field Sample #: WS-AOC-9-SE-90 Sampled: 8/25/2017 14:00

Sample ID: 17H1432-04

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	0.52	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 16:38	BGL
Acenaphthylene	ND	0.52	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 16:38	BGL
Aniline	ND	1.0	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 16:38	BGL
Anthracene	ND	0.52	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 16:38	BGL
Benzo(a)anthracene	ND	0.52	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 16:38	BGL
Benzo(a)pyrene	ND	0.52	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 16:38	BGL
Benzo(b)fluoranthene	0.62	0.52	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 16:38	BGL
Benzo(g,h,i)perylene	ND	0.52	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 16:38	BGL
Benzo(k)fluoranthene	ND	0.52	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 16:38	BGL
Bis(2-chloroethoxy)methane	ND	1.0	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 16:38	BGL
Bis(2-chloroethyl)ether	ND	1.0	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 16:38	BGL
Bis(2-chloroisopropyl)ether	ND	1.0	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 16:38	BGL
Bis(2-Ethylhexyl)phthalate	ND	1.0	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 16:38	BGL
4-Bromophenylphenylether	ND	1.0	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 16:38	BGL
Butylbenzylphthalate	ND	1.0	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 16:38	BGL
Carbazole	ND	0.52	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 16:38	BGL
4-Chloroaniline	ND	2.0	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 16:38	BGL
4-Chloro-3-methylphenol	ND	2.0	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 16:38	BGL
2-Chloronaphthalene	ND	1.0	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 16:38	BGL
2-Chlorophenol	ND	1.0	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 16:38	BGL
4-Chlorophenylphenylether	ND	1.0	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 16:38	BGL
Chrysene	ND	0.52	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 16:38	BGL
Dibenz(a,h)anthracene	ND	0.52	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 16:38	BGL
Dibenzofuran	ND	1.0	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 16:38	BGL
Di-n-butylphthalate	ND	1.0	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 16:38	BGL
3,3-Dichlorobenzidine	ND	0.52	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 16:38	BGL
2,4-Dichlorophenol	ND	1.0	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 16:38	BGL
Diethylphthalate	ND	1.0	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 16:38	BGL
2,4-Dimethylphenol	ND	1.0	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 16:38	BGL
Dimethylphthalate	ND	1.0	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 16:38	BGL
4,6-Dinitro-2-methylphenol	ND	1.0	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 16:38	BGL
2,4-Dinitrophenol	ND	2.0	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 16:38	BGL
2,4-Dinitrotoluene	ND	1.0	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 16:38	BGL
2,6-Dinitrotoluene	ND	1.0	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 16:38	BGL
Di-n-octylphthalate	ND	1.0	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 16:38	BGL
Fluoranthene	0.63	0.52	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 16:38	BGL
Fluorene	ND	0.52	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 16:38	BGL
Hexachlorobenzene	ND	1.0	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 16:38	BGL
Hexachlorobutadiene	ND	1.0	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 16:38	BGL
Hexachlorocyclopentadiene	ND	1.0	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 16:38	BGL
Hexachloroethane	ND	1.0	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 16:38	BGL
Indeno(1,2,3-cd)pyrene	ND	0.52	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 16:38	BGL
Isophorone	ND	1.0	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 16:38	BGL
2-Methylnaphthalene	ND	0.52	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 16:38	BGL

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1432

Date Received: 8/25/2017

Field Sample #: WS-AOC-9-SE-90 Sampled: 8/25/2017 14:00

Sample ID: 17H1432-04

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Methylphenol	ND	1.0	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 16:38	BGL
3/4-Methylphenol	ND	1.0	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 16:38	BGL
Naphthalene	ND	0.52	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 16:38	BGL
2-Nitroaniline	ND	1.0	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 16:38	BGL
3-Nitroaniline	ND	1.0	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 16:38	BGL
4-Nitroaniline	ND	1.0	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 16:38	BGL
Nitrobenzene	ND	1.0	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 16:38	BGL
2-Nitrophenol	ND	1.0	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 16:38	BGL
4-Nitrophenol	ND	2.0	mg/Kg dry	1	V-20	SW-846 8270D	8/31/17	9/5/17 16:38	BGL
N-Nitrosodiphenylamine	ND	1.0	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 16:38	BGL
N-Nitrosodi-n-propylamine	ND	1.0	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 16:38	BGL
Pentachloronitrobenzene	ND	1.0	mg/Kg dry	1	V-16	SW-846 8270D	8/31/17	9/5/17 16:38	BGL
Pentachlorophenol	ND	1.0	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 16:38	BGL
Phenanthrene	ND	0.52	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 16:38	BGL
Phenol	ND	1.0	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 16:38	BGL
Pyrene	1.1	0.52	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 16:38	BGL
Pyridine	ND	1.0	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 16:38	BGL
1,2,4,5-Tetrachlorobenzene	ND	1.0	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 16:38	BGL
1,2,4-Trichlorobenzene	ND	1.0	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 16:38	BGL
2,4,5-Trichlorophenol	ND	1.0	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 16:38	BGL
2,4,6-Trichlorophenol	ND	1.0	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 16:38	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	59.5	30-130		9/5/17 16:38
Phenol-d6	60.4	30-130		9/5/17 16:38
Nitrobenzene-d5	61.5	30-130		9/5/17 16:38
2-Fluorobiphenyl	61.6	30-130		9/5/17 16:38
2,4,6-Tribromophenol	71.3	30-130		9/5/17 16:38
p-Terphenyl-d14	79.6	30-130		9/5/17 16:38

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1432

Date Received: 8/25/2017

Field Sample #: WS-AOC-9-SE-90 Sampled: 8/25/2017 14:00

Sample ID: 17H1432-04

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	0.24	mg/Kg dry	4		SW-846 8082A	9/1/17	9/7/17 11:49	KAL
Aroclor-1221 [1]	ND	0.24	mg/Kg dry	4		SW-846 8082A	9/1/17	9/7/17 11:49	KAL
Aroclor-1232 [1]	ND	0.24	mg/Kg dry	4		SW-846 8082A	9/1/17	9/7/17 11:49	KAL
Aroclor-1242 [1]	ND	0.24	mg/Kg dry	4		SW-846 8082A	9/1/17	9/7/17 11:49	KAL
Aroclor-1248 [2]	0.48	0.24	mg/Kg dry	4		SW-846 8082A	9/1/17	9/7/17 11:49	KAL
Aroclor-1254 [2]	0.50	0.24	mg/Kg dry	4		SW-846 8082A	9/1/17	9/7/17 11:49	KAL
Aroclor-1260 [2]	0.59	0.24	mg/Kg dry	4		SW-846 8082A	9/1/17	9/7/17 11:49	KAL
Aroclor-1262 [1]	ND	0.24	mg/Kg dry	4		SW-846 8082A	9/1/17	9/7/17 11:49	KAL
Aroclor-1268 [1]	ND	0.24	mg/Kg dry	4		SW-846 8082A	9/1/17	9/7/17 11:49	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	76.4	30-150		9/7/17 11:49
Decachlorobiphenyl [2]	67.9	30-150		9/7/17 11:49
Tetrachloro-m-xylene [1]	72.4	30-150		9/7/17 11:49
Tetrachloro-m-xylene [2]	76.7	30-150		9/7/17 11:49

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1432

Date Received: 8/25/2017

Field Sample #: WS-AOC-9-SE-90 Sampled: 8/25/2017 14:00

Sample ID: 17H1432-04

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	930	150	mg/Kg dry	5		CTDEP ETPH	8/31/17	9/6/17 1:55	SCS

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
o-Terphenyl	55.2	50-150		9/6/17 1:55

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1432

Date Received: 8/25/2017

Field Sample #: WS-AOC-9-SE-90 Sampled: 8/25/2017 14:00

Sample ID: 17H1432-04

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	ND	7.3	mg/Kg dry	1		SW-846 6010C-D	8/30/17	8/31/17 15:32	AMP
Arsenic	ND	7.3	mg/Kg dry	1		SW-846 6010C-D	8/30/17	8/31/17 15:32	AMP
Barium	92	7.3	mg/Kg dry	1		SW-846 6010C-D	8/30/17	8/31/17 15:32	AMP
Beryllium	ND	0.73	mg/Kg dry	1		SW-846 6010C-D	8/30/17	8/31/17 15:32	AMP
Cadmium	2.3	0.73	mg/Kg dry	1		SW-846 6010C-D	8/30/17	8/31/17 15:32	AMP
Chromium	96	1.5	mg/Kg dry	1		SW-846 6010C-D	8/30/17	8/31/17 15:32	AMP
Copper	280	1.5	mg/Kg dry	1		SW-846 6010C-D	8/30/17	8/31/17 15:32	AMP
Lead	170	2.2	mg/Kg dry	1		SW-846 6010C-D	8/30/17	8/31/17 15:32	AMP
Mercury	0.16	0.076	mg/Kg dry	1		SW-846 7471B	8/30/17	9/5/17 14:19	TJK
Nickel	39	1.5	mg/Kg dry	1		SW-846 6010C-D	8/30/17	8/31/17 15:32	AMP
Selenium	ND	15	mg/Kg dry	1		SW-846 6010C-D	8/30/17	8/31/17 15:32	AMP
Silver	ND	1.5	mg/Kg dry	1		SW-846 6010C-D	8/30/17	8/31/17 15:32	AMP
Thallium	ND	7.3	mg/Kg dry	1		SW-846 6010C-D	8/30/17	8/31/17 15:32	AMP
Vanadium	82	2.9	mg/Kg dry	1		SW-846 6010C-D	8/30/17	8/31/17 15:32	AMP
Zinc	350	2.9	mg/Kg dry	1		SW-846 6010C-D	8/30/17	8/31/17 15:32	AMP

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1432

Date Received: 8/25/2017

Field Sample #: WS-AOC-9-SE-90 Sampled: 8/25/2017 14:00

Sample ID: 17H1432-04

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	33.0		% Wt	1		SM 2540G	8/31/17	9/1/17 7:54	MRL

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1432

Date Received: 8/25/2017

Field Sample #: WS-AOC-8-SE-23 Sampled: 8/25/2017 14:10

Sample ID: 17H1432-05

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	3.8	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 16:11	EEH
Acrylonitrile	ND	0.38	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 16:11	EEH
Benzene	ND	0.076	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 16:11	EEH
Bromobenzene	ND	0.076	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 16:11	EEH
Bromodichloromethane	ND	0.076	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 16:11	EEH
Bromoform	ND	0.076	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 16:11	EEH
Bromomethane	ND	0.15	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 16:11	EEH
2-Butanone (MEK)	ND	1.5	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 16:11	EEH
n-Butylbenzene	ND	0.076	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 16:11	EEH
sec-Butylbenzene	ND	0.076	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 16:11	EEH
tert-Butylbenzene	ND	0.076	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 16:11	EEH
Carbon Disulfide	ND	0.23	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 16:11	EEH
Carbon Tetrachloride	ND	0.076	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 16:11	EEH
Chlorobenzene	ND	0.076	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 16:11	EEH
Chlorodibromomethane	ND	0.038	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 16:11	EEH
Chloroethane	ND	0.15	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 16:11	EEH
Chloroform	ND	0.15	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 16:11	EEH
Chloromethane	ND	0.15	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 16:11	EEH
2-Chlorotoluene	ND	0.076	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 16:11	EEH
4-Chlorotoluene	ND	0.076	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 16:11	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.38	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 16:11	EEH
1,2-Dibromoethane (EDB)	ND	0.038	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 16:11	EEH
Dibromomethane	ND	0.076	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 16:11	EEH
1,2-Dichlorobenzene	ND	0.076	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 16:11	EEH
1,3-Dichlorobenzene	ND	0.076	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 16:11	EEH
1,4-Dichlorobenzene	ND	0.076	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 16:11	EEH
trans-1,4-Dichloro-2-butene	ND	0.15	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 16:11	EEH
Dichlorodifluoromethane (Freon 12)	ND	0.15	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 16:11	EEH
1,1-Dichloroethane	ND	0.076	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 16:11	EEH
1,2-Dichloroethane	ND	0.15	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 16:11	EEH
1,1-Dichloroethylene	ND	0.076	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 16:11	EEH
cis-1,2-Dichloroethylene	ND	0.076	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 16:11	EEH
trans-1,2-Dichloroethylene	ND	0.076	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 16:11	EEH
1,2-Dichloropropane	ND	0.076	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 16:11	EEH
1,3-Dichloropropane	ND	0.038	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 16:11	EEH
2,2-Dichloropropane	ND	0.076	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 16:11	EEH
1,1-Dichloropropene	ND	0.15	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 16:11	EEH
cis-1,3-Dichloropropene	ND	0.038	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 16:11	EEH
trans-1,3-Dichloropropene	ND	0.038	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 16:11	EEH
Ethylbenzene	ND	0.076	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 16:11	EEH
Hexachlorobutadiene	ND	0.076	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 16:11	EEH
2-Hexanone (MBK)	ND	0.76	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 16:11	EEH
Isopropylbenzene (Cumene)	ND	0.076	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 16:11	EEH
p-Isopropyltoluene (p-Cymene)	ND	0.076	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 16:11	EEH

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1432

Date Received: 8/25/2017

Field Sample #: WS-AOC-8-SE-23 Sampled: 8/25/2017 14:10

Sample ID: 17H1432-05

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	0.076	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 16:11	EEH
Methylene Chloride	ND	0.38	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 16:11	EEH
4-Methyl-2-pentanone (MIBK)	ND	0.76	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 16:11	EEH
Naphthalene	ND	0.15	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 16:11	EEH
n-Propylbenzene	ND	0.076	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 16:11	EEH
Styrene	ND	0.076	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 16:11	EEH
1,1,1,2-Tetrachloroethane	ND	0.076	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 16:11	EEH
1,1,2,2-Tetrachloroethane	ND	0.038	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 16:11	EEH
Tetrachloroethylene	ND	0.076	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 16:11	EEH
Tetrahydrofuran	ND	0.76	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 16:11	EEH
Toluene	ND	0.076	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 16:11	EEH
1,2,3-Trichlorobenzene	ND	0.38	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 16:11	EEH
1,2,4-Trichlorobenzene	ND	0.076	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 16:11	EEH
1,1,1-Trichloroethane	ND	0.076	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 16:11	EEH
1,1,2-Trichloroethane	ND	0.076	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 16:11	EEH
Trichloroethylene	ND	0.076	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 16:11	EEH
Trichlorofluoromethane (Freon 11)	ND	0.15	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 16:11	EEH
1,2,3-Trichloropropane	ND	0.15	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 16:11	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.076	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 16:11	EEH
1,2,4-Trimethylbenzene	ND	0.076	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 16:11	EEH
1,3,5-Trimethylbenzene	ND	0.076	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 16:11	EEH
Vinyl Chloride	ND	0.15	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 16:11	EEH
m+p Xylene	ND	0.15	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 16:11	EEH
o-Xylene	ND	0.076	mg/Kg dry	1		SW-846 8260C	8/28/17	9/5/17 16:11	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	116	70-130		9/5/17 16:11
Toluene-d8	105	70-130		9/5/17 16:11
4-Bromofluorobenzene	94.2	70-130		9/5/17 16:11

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1432

Date Received: 8/25/2017

Field Sample #: WS-AOC-8-SE-23 Sampled: 8/25/2017 14:10

Sample ID: 17H1432-05

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	0.25	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 17:06	BGL
Acenaphthylene	ND	0.25	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 17:06	BGL
Aniline	ND	0.50	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 17:06	BGL
Anthracene	ND	0.25	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 17:06	BGL
Benzo(a)anthracene	1.1	0.25	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 17:06	BGL
Benzo(a)pyrene	0.91	0.25	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 17:06	BGL
Benzo(b)fluoranthene	1.4	0.25	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 17:06	BGL
Benzo(g,h,i)perylene	0.45	0.25	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 17:06	BGL
Benzo(k)fluoranthene	0.50	0.25	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 17:06	BGL
Bis(2-chloroethoxy)methane	ND	0.50	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 17:06	BGL
Bis(2-chloroethyl)ether	ND	0.50	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 17:06	BGL
Bis(2-chloroisopropyl)ether	ND	0.50	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 17:06	BGL
Bis(2-Ethylhexyl)phthalate	ND	0.50	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 17:06	BGL
4-Bromophenylphenylether	ND	0.50	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 17:06	BGL
Butylbenzylphthalate	ND	0.50	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 17:06	BGL
Carbazole	ND	0.25	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 17:06	BGL
4-Chloroaniline	ND	0.97	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 17:06	BGL
4-Chloro-3-methylphenol	ND	0.97	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 17:06	BGL
2-Chloronaphthalene	ND	0.50	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 17:06	BGL
2-Chlorophenol	ND	0.50	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 17:06	BGL
4-Chlorophenylphenylether	ND	0.50	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 17:06	BGL
Chrysene	1.3	0.25	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 17:06	BGL
Dibenz(a,h)anthracene	ND	0.25	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 17:06	BGL
Dibenzofuran	ND	0.50	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 17:06	BGL
Di-n-butylphthalate	ND	0.50	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 17:06	BGL
3,3-Dichlorobenzidine	ND	0.25	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 17:06	BGL
2,4-Dichlorophenol	ND	0.50	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 17:06	BGL
Diethylphthalate	ND	0.50	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 17:06	BGL
2,4-Dimethylphenol	ND	0.50	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 17:06	BGL
Dimethylphthalate	ND	0.50	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 17:06	BGL
4,6-Dinitro-2-methylphenol	ND	0.50	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 17:06	BGL
2,4-Dinitrophenol	ND	0.97	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 17:06	BGL
2,4-Dinitrotoluene	ND	0.50	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 17:06	BGL
2,6-Dinitrotoluene	ND	0.50	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 17:06	BGL
Di-n-octylphthalate	ND	0.50	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 17:06	BGL
Fluoranthene	2.6	0.25	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 17:06	BGL
Fluorene	ND	0.25	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 17:06	BGL
Hexachlorobenzene	ND	0.50	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 17:06	BGL
Hexachlorobutadiene	ND	0.50	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 17:06	BGL
Hexachlorocyclopentadiene	ND	0.50	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 17:06	BGL
Hexachloroethane	ND	0.50	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 17:06	BGL
Indeno(1,2,3-cd)pyrene	0.51	0.25	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 17:06	BGL
Isophorone	ND	0.50	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 17:06	BGL
2-Methylnaphthalene	ND	0.25	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 17:06	BGL

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1432

Date Received: 8/25/2017

Field Sample #: WS-AOC-8-SE-23 Sampled: 8/25/2017 14:10

Sample ID: 17H1432-05

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Methylphenol	ND	0.50	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 17:06	BGL
3/4-Methylphenol	ND	0.50	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 17:06	BGL
Naphthalene	ND	0.25	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 17:06	BGL
2-Nitroaniline	ND	0.50	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 17:06	BGL
3-Nitroaniline	ND	0.50	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 17:06	BGL
4-Nitroaniline	ND	0.50	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 17:06	BGL
Nitrobenzene	ND	0.50	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 17:06	BGL
2-Nitrophenol	ND	0.50	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 17:06	BGL
4-Nitrophenol	ND	0.97	mg/Kg dry	1	V-20	SW-846 8270D	8/31/17	9/5/17 17:06	BGL
N-Nitrosodiphenylamine	ND	0.50	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 17:06	BGL
N-Nitrosodi-n-propylamine	ND	0.50	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 17:06	BGL
Pentachloronitrobenzene	ND	0.50	mg/Kg dry	1	V-16	SW-846 8270D	8/31/17	9/5/17 17:06	BGL
Pentachlorophenol	ND	0.50	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 17:06	BGL
Phenanthrene	1.5	0.25	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 17:06	BGL
Phenol	ND	0.50	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 17:06	BGL
Pyrene	2.8	0.25	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 17:06	BGL
Pyridine	ND	0.50	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 17:06	BGL
1,2,4,5-Tetrachlorobenzene	ND	0.50	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 17:06	BGL
1,2,4-Trichlorobenzene	ND	0.50	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 17:06	BGL
2,4,5-Trichlorophenol	ND	0.50	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 17:06	BGL
2,4,6-Trichlorophenol	ND	0.50	mg/Kg dry	1		SW-846 8270D	8/31/17	9/5/17 17:06	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	49.5	30-130		9/5/17 17:06
Phenol-d6	48.5	30-130		9/5/17 17:06
Nitrobenzene-d5	52.6	30-130		9/5/17 17:06
2-Fluorobiphenyl	48.0	30-130		9/5/17 17:06
2,4,6-Tribromophenol	56.9	30-130		9/5/17 17:06
p-Terphenyl-d14	59.3	30-130		9/5/17 17:06

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1432

Date Received: 8/25/2017

Field Sample #: WS-AOC-8-SE-23 Sampled: 8/25/2017 14:10

Sample ID: 17H1432-05

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	4		SW-846 8082A	9/1/17	9/11/17 12:33	KAL
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	9/1/17	9/11/17 12:33	KAL
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	9/1/17	9/11/17 12:33	KAL
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	9/1/17	9/11/17 12:33	KAL
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	9/1/17	9/11/17 12:33	KAL
Aroclor-1254 [2]	0.23	0.11	mg/Kg dry	4		SW-846 8082A	9/1/17	9/11/17 12:33	KAL
Aroclor-1260 [1]	0.58	0.11	mg/Kg dry	4		SW-846 8082A	9/1/17	9/11/17 12:33	KAL
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	9/1/17	9/11/17 12:33	KAL
Aroclor-1268 [1]	0.23	0.11	mg/Kg dry	4		SW-846 8082A	9/1/17	9/11/17 12:33	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	132	30-150		9/11/17 12:33
Decachlorobiphenyl [2]	121	30-150		9/11/17 12:33
Tetrachloro-m-xylene [1]	108	30-150		9/11/17 12:33
Tetrachloro-m-xylene [2]	104	30-150		9/11/17 12:33

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1432

Date Received: 8/25/2017

Field Sample #: WS-AOC-8-SE-23 Sampled: 8/25/2017 14:10

Sample ID: 17H1432-05

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	740	150	mg/Kg dry	10		CTDEP ETPH	8/31/17	9/6/17 2:13	SCS

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
o-Terphenyl	70.9	50-150		9/6/17 2:13

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1432

Date Received: 8/25/2017

Field Sample #: WS-AOC-8-SE-23 Sampled: 8/25/2017 14:10

Sample ID: 17H1432-05

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	ND	3.5	mg/Kg dry	1		SW-846 6010C-D	8/30/17	8/31/17 15:36	AMP
Arsenic	ND	3.5	mg/Kg dry	1		SW-846 6010C-D	8/30/17	8/31/17 15:36	AMP
Barium	70	3.5	mg/Kg dry	1		SW-846 6010C-D	8/30/17	8/31/17 15:36	AMP
Beryllium	ND	0.35	mg/Kg dry	1		SW-846 6010C-D	8/30/17	8/31/17 15:36	AMP
Cadmium	0.77	0.35	mg/Kg dry	1		SW-846 6010C-D	8/30/17	8/31/17 15:36	AMP
Chromium	20	0.70	mg/Kg dry	1		SW-846 6010C-D	8/30/17	8/31/17 15:36	AMP
Copper	170	0.70	mg/Kg dry	1		SW-846 6010C-D	8/30/17	8/31/17 15:36	AMP
Lead	330	1.1	mg/Kg dry	1		SW-846 6010C-D	8/30/17	8/31/17 15:36	AMP
Mercury	0.23	0.036	mg/Kg dry	1		SW-846 7471B	8/30/17	9/5/17 14:20	TJK
Nickel	34	0.70	mg/Kg dry	1		SW-846 6010C-D	8/30/17	8/31/17 15:36	AMP
Selenium	ND	7.0	mg/Kg dry	1		SW-846 6010C-D	8/30/17	8/31/17 15:36	AMP
Silver	ND	0.70	mg/Kg dry	1		SW-846 6010C-D	8/30/17	8/31/17 15:36	AMP
Thallium	ND	3.5	mg/Kg dry	1		SW-846 6010C-D	8/30/17	8/31/17 15:36	AMP
Vanadium	99	1.4	mg/Kg dry	1		SW-846 6010C-D	8/30/17	8/31/17 15:36	AMP
Zinc	570	1.4	mg/Kg dry	1		SW-846 6010C-D	8/30/17	8/31/17 15:36	AMP

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1432

Date Received: 8/25/2017

Field Sample #: WS-AOC-8-SE-23 Sampled: 8/25/2017 14:10

Sample ID: 17H1432-05

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	67.7		% Wt	1		SM 2540G	8/31/17	9/1/17 7:54	MRL

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1432

Date Received: 8/25/2017

Field Sample #: Trip Blank Sampled: 8/25/2017 00:00

Sample ID: 17H1432-06

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	8/28/17	8/28/17 13:09	MFF
Acrylonitrile	ND	0.0060	mg/Kg wet	1		SW-846 8260C	8/28/17	8/28/17 13:09	MFF
Benzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/28/17	8/28/17 13:09	MFF
Bromobenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/28/17	8/28/17 13:09	MFF
Bromodichloromethane	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/28/17	8/28/17 13:09	MFF
Bromoform	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/28/17	8/28/17 13:09	MFF
Bromomethane	ND	0.010	mg/Kg wet	1		SW-846 8260C	8/28/17	8/28/17 13:09	MFF
2-Butanone (MEK)	ND	0.040	mg/Kg wet	1		SW-846 8260C	8/28/17	8/28/17 13:09	MFF
n-Butylbenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/28/17	8/28/17 13:09	MFF
sec-Butylbenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/28/17	8/28/17 13:09	MFF
tert-Butylbenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/28/17	8/28/17 13:09	MFF
Carbon Disulfide	ND	0.0060	mg/Kg wet	1		SW-846 8260C	8/28/17	8/28/17 13:09	MFF
Carbon Tetrachloride	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/28/17	8/28/17 13:09	MFF
Chlorobenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/28/17	8/28/17 13:09	MFF
Chlorodibromomethane	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/28/17	8/28/17 13:09	MFF
Chloroethane	ND	0.020	mg/Kg wet	1		SW-846 8260C	8/28/17	8/28/17 13:09	MFF
Chloroform	ND	0.0040	mg/Kg wet	1		SW-846 8260C	8/28/17	8/28/17 13:09	MFF
Chloromethane	ND	0.010	mg/Kg wet	1		SW-846 8260C	8/28/17	8/28/17 13:09	MFF
2-Chlorotoluene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/28/17	8/28/17 13:09	MFF
4-Chlorotoluene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/28/17	8/28/17 13:09	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0040	mg/Kg wet	1		SW-846 8260C	8/28/17	8/28/17 13:09	MFF
1,2-Dibromoethane (EDB)	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/28/17	8/28/17 13:09	MFF
Dibromomethane	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/28/17	8/28/17 13:09	MFF
1,2-Dichlorobenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/28/17	8/28/17 13:09	MFF
1,3-Dichlorobenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/28/17	8/28/17 13:09	MFF
1,4-Dichlorobenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/28/17	8/28/17 13:09	MFF
trans-1,4-Dichloro-2-butene	ND	0.0040	mg/Kg wet	1		SW-846 8260C	8/28/17	8/28/17 13:09	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.020	mg/Kg wet	1		SW-846 8260C	8/28/17	8/28/17 13:09	MFF
1,1-Dichloroethane	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/28/17	8/28/17 13:09	MFF
1,2-Dichloroethane	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/28/17	8/28/17 13:09	MFF
1,1-Dichloroethylene	ND	0.0040	mg/Kg wet	1		SW-846 8260C	8/28/17	8/28/17 13:09	MFF
cis-1,2-Dichloroethylene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/28/17	8/28/17 13:09	MFF
trans-1,2-Dichloroethylene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/28/17	8/28/17 13:09	MFF
1,2-Dichloropropane	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/28/17	8/28/17 13:09	MFF
1,3-Dichloropropane	ND	0.0010	mg/Kg wet	1		SW-846 8260C	8/28/17	8/28/17 13:09	MFF
2,2-Dichloropropane	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/28/17	8/28/17 13:09	MFF
1,1-Dichloropropene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/28/17	8/28/17 13:09	MFF
cis-1,3-Dichloropropene	ND	0.0010	mg/Kg wet	1		SW-846 8260C	8/28/17	8/28/17 13:09	MFF
trans-1,3-Dichloropropene	ND	0.0010	mg/Kg wet	1		SW-846 8260C	8/28/17	8/28/17 13:09	MFF
Ethylbenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/28/17	8/28/17 13:09	MFF
Hexachlorobutadiene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/28/17	8/28/17 13:09	MFF
2-Hexanone (MBK)	ND	0.020	mg/Kg wet	1		SW-846 8260C	8/28/17	8/28/17 13:09	MFF
Isopropylbenzene (Cumene)	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/28/17	8/28/17 13:09	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/28/17	8/28/17 13:09	MFF

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1432

Date Received: 8/25/2017

Field Sample #: Trip Blank Sampled: 8/25/2017 00:00

Sample ID: 17H1432-06

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	8/28/17	8/28/17 13:09	MFF
Methylene Chloride	ND	0.020	mg/Kg wet	1		SW-846 8260C	8/28/17	8/28/17 13:09	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.020	mg/Kg wet	1		SW-846 8260C	8/28/17	8/28/17 13:09	MFF
Naphthalene	ND	0.0040	mg/Kg wet	1		SW-846 8260C	8/28/17	8/28/17 13:09	MFF
n-Propylbenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/28/17	8/28/17 13:09	MFF
Styrene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/28/17	8/28/17 13:09	MFF
1,1,1,2-Tetrachloroethane	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/28/17	8/28/17 13:09	MFF
1,1,2,2-Tetrachloroethane	ND	0.0010	mg/Kg wet	1		SW-846 8260C	8/28/17	8/28/17 13:09	MFF
Tetrachloroethylene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/28/17	8/28/17 13:09	MFF
Tetrahydrofuran	ND	0.010	mg/Kg wet	1		SW-846 8260C	8/28/17	8/28/17 13:09	MFF
Toluene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/28/17	8/28/17 13:09	MFF
1,2,3-Trichlorobenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/28/17	8/28/17 13:09	MFF
1,2,4-Trichlorobenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/28/17	8/28/17 13:09	MFF
1,1,1-Trichloroethane	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/28/17	8/28/17 13:09	MFF
1,1,2-Trichloroethane	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/28/17	8/28/17 13:09	MFF
Trichloroethylene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/28/17	8/28/17 13:09	MFF
Trichlorofluoromethane (Freon 11)	ND	0.010	mg/Kg wet	1		SW-846 8260C	8/28/17	8/28/17 13:09	MFF
1,2,3-Trichloropropane	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/28/17	8/28/17 13:09	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.010	mg/Kg wet	1		SW-846 8260C	8/28/17	8/28/17 13:09	MFF
1,2,4-Trimethylbenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/28/17	8/28/17 13:09	MFF
1,3,5-Trimethylbenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/28/17	8/28/17 13:09	MFF
Vinyl Chloride	ND	0.010	mg/Kg wet	1		SW-846 8260C	8/28/17	8/28/17 13:09	MFF
m+p Xylene	ND	0.0040	mg/Kg wet	1		SW-846 8260C	8/28/17	8/28/17 13:09	MFF
o-Xylene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/28/17	8/28/17 13:09	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	96.3	70-130		8/28/17 13:09
Toluene-d8	91.5	70-130		8/28/17 13:09
4-Bromofluorobenzene	89.6	70-130		8/28/17 13:09

con-test® ANALYTICAL LABORATORY

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1432

Date Received: 8/25/2017

Field Sample #: EB-52 Sampled: 8/25/2017 12:15

Sample ID: 17H1432-07

Sample Matrix: Equipment Blank Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	10	µg/L	1		SW-846 8260C	8/30/17	8/31/17 9:18	EEH
Acrylonitrile	ND	2.0	µg/L	1		SW-846 8260C	8/30/17	8/31/17 9:18	EEH
Benzene	ND	0.50	µg/L	1		SW-846 8260C	8/30/17	8/31/17 9:18	EEH
Bromobenzene	ND	0.50	µg/L	1		SW-846 8260C	8/30/17	8/31/17 9:18	EEH
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C	8/30/17	8/31/17 9:18	EEH
Bromoform	ND	0.50	µg/L	1		SW-846 8260C	8/30/17	8/31/17 9:18	EEH
Bromomethane	ND	2.0	µg/L	1		SW-846 8260C	8/30/17	8/31/17 9:18	EEH
2-Butanone (MEK)	ND	5.0	µg/L	1		SW-846 8260C	8/30/17	8/31/17 9:18	EEH
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	8/30/17	8/31/17 9:18	EEH
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	8/30/17	8/31/17 9:18	EEH
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	8/30/17	8/31/17 9:18	EEH
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260C	8/30/17	8/31/17 9:18	EEH
Carbon Tetrachloride	ND	0.50	µg/L	1		SW-846 8260C	8/30/17	8/31/17 9:18	EEH
Chlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	8/30/17	8/31/17 9:18	EEH
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C	8/30/17	8/31/17 9:18	EEH
Chloroethane	ND	0.50	µg/L	1		SW-846 8260C	8/30/17	8/31/17 9:18	EEH
Chloroform	ND	0.50	µg/L	1		SW-846 8260C	8/30/17	8/31/17 9:18	EEH
Chloromethane	ND	2.0	µg/L	1		SW-846 8260C	8/30/17	8/31/17 9:18	EEH
2-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C	8/30/17	8/31/17 9:18	EEH
4-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C	8/30/17	8/31/17 9:18	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	µg/L	1		SW-846 8260C	8/30/17	8/31/17 9:18	EEH
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C	8/30/17	8/31/17 9:18	EEH
Dibromomethane	ND	0.50	µg/L	1		SW-846 8260C	8/30/17	8/31/17 9:18	EEH
1,2-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	8/30/17	8/31/17 9:18	EEH
1,3-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	8/30/17	8/31/17 9:18	EEH
1,4-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	8/30/17	8/31/17 9:18	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260C	8/30/17	8/31/17 9:18	EEH
Dichlorodifluoromethane (Freon 12)	ND	0.50	µg/L	1		SW-846 8260C	8/30/17	8/31/17 9:18	EEH
1,1-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C	8/30/17	8/31/17 9:18	EEH
1,2-Dichloroethane	ND	2.0	µg/L	1		SW-846 8260C	8/30/17	8/31/17 9:18	EEH
1,1-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C	8/30/17	8/31/17 9:18	EEH
cis-1,2-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C	8/30/17	8/31/17 9:18	EEH
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	8/30/17	8/31/17 9:18	EEH
1,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	8/30/17	8/31/17 9:18	EEH
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	8/30/17	8/31/17 9:18	EEH
2,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	8/30/17	8/31/17 9:18	EEH
1,1-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	8/30/17	8/31/17 9:18	EEH
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	8/30/17	8/31/17 9:18	EEH
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	8/30/17	8/31/17 9:18	EEH
Ethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	8/30/17	8/31/17 9:18	EEH
Hexachlorobutadiene	ND	0.60	µg/L	1		SW-846 8260C	8/30/17	8/31/17 9:18	EEH
2-Hexanone (MBK)	ND	5.0	µg/L	1		SW-846 8260C	8/30/17	8/31/17 9:18	EEH
Isopropylbenzene (Cumene)	ND	0.50	µg/L	1		SW-846 8260C	8/30/17	8/31/17 9:18	EEH
p-Isopropyltoluene (p-Cymene)	ND	0.50	µg/L	1		SW-846 8260C	8/30/17	8/31/17 9:18	EEH

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1432

Date Received: 8/25/2017

Field Sample #: EB-52 Sampled: 8/25/2017 12:15

Sample ID: 17H1432-07

Sample Matrix: Equipment Blank Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Methyl tert-Butyl Ether (MTBE)	ND	0.50	µg/L	1		SW-846 8260C	8/30/17	8/31/17 9:18	EEH
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C	8/30/17	8/31/17 9:18	EEH
4-Methyl-2-pentanone (MIBK)	ND	5.0	µg/L	1		SW-846 8260C	8/30/17	8/31/17 9:18	EEH
Naphthalene	ND	2.0	µg/L	1		SW-846 8260C	8/30/17	8/31/17 9:18	EEH
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C	8/30/17	8/31/17 9:18	EEH
Styrene	ND	1.0	µg/L	1		SW-846 8260C	8/30/17	8/31/17 9:18	EEH
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	8/30/17	8/31/17 9:18	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	8/30/17	8/31/17 9:18	EEH
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260C	8/30/17	8/31/17 9:18	EEH
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C	8/30/17	8/31/17 9:18	EEH
Toluene	ND	1.0	µg/L	1		SW-846 8260C	8/30/17	8/31/17 9:18	EEH
1,2,3-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	8/30/17	8/31/17 9:18	EEH
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	8/30/17	8/31/17 9:18	EEH
1,1,1-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C	8/30/17	8/31/17 9:18	EEH
1,1,2-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C	8/30/17	8/31/17 9:18	EEH
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	8/30/17	8/31/17 9:18	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C	8/30/17	8/31/17 9:18	EEH
1,2,3-Trichloropropane	ND	0.50	µg/L	1		SW-846 8260C	8/30/17	8/31/17 9:18	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	µg/L	1		SW-846 8260C	8/30/17	8/31/17 9:18	EEH
1,2,4-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	8/30/17	8/31/17 9:18	EEH
1,3,5-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	8/30/17	8/31/17 9:18	EEH
Vinyl Chloride	ND	1.0	µg/L	1		SW-846 8260C	8/30/17	8/31/17 9:18	EEH
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C	8/30/17	8/31/17 9:18	EEH
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C	8/30/17	8/31/17 9:18	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	107	70-130		8/31/17 9:18
Toluene-d8	101	70-130		8/31/17 9:18
4-Bromofluorobenzene	93.2	70-130		8/31/17 9:18

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1432

Date Received: 8/25/2017

Field Sample #: EB-52 Sampled: 8/25/2017 12:15

Sample ID: 17H1432-07

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	8/31/17	9/5/17 17:14	CJM
Acenaphthylene (SIM)	ND	0.30	µg/L	1		SW-846 8270D	8/31/17	9/5/17 17:14	CJM
Aniline	ND	5.0	µg/L	1		SW-846 8270D	8/31/17	9/5/17 10:16	BGL
Anthracene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	8/31/17	9/5/17 17:14	CJM
Benzo(a)anthracene (SIM)	ND	0.050	µg/L	1		SW-846 8270D	8/31/17	9/5/17 17:14	CJM
Benzo(a)pyrene (SIM)	ND	0.10	µg/L	1		SW-846 8270D	8/31/17	9/5/17 17:14	CJM
Benzo(b)fluoranthene (SIM)	ND	0.050	µg/L	1		SW-846 8270D	8/31/17	9/5/17 17:14	CJM
Benzo(g,h,i)perylene (SIM)	ND	0.50	µg/L	1		SW-846 8270D	8/31/17	9/5/17 17:14	CJM
Benzo(k)fluoranthene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	8/31/17	9/5/17 17:14	CJM
Bis(2-chloroethoxy)methane	ND	10	µg/L	1		SW-846 8270D	8/31/17	9/5/17 10:16	BGL
Bis(2-chloroethyl)ether	ND	10	µg/L	1		SW-846 8270D	8/31/17	9/5/17 10:16	BGL
Bis(2-chloroisopropyl)ether	ND	10	µg/L	1		SW-846 8270D	8/31/17	9/5/17 10:16	BGL
Bis(2-Ethylhexyl)phthalate	ND	5.0	µg/L	1	RL-03	SW-846 8270D	8/31/17	9/5/17 10:16	BGL
4-Bromophenylphenylether	ND	10	µg/L	1		SW-846 8270D	8/31/17	9/5/17 10:16	BGL
Butylbenzylphthalate	ND	10	µg/L	1		SW-846 8270D	8/31/17	9/5/17 10:16	BGL
Carbazole	ND	10	µg/L	1		SW-846 8270D	8/31/17	9/5/17 10:16	BGL
4-Chloroaniline	ND	10	µg/L	1		SW-846 8270D	8/31/17	9/5/17 10:16	BGL
4-Chloro-3-methylphenol	ND	10	µg/L	1		SW-846 8270D	8/31/17	9/5/17 10:16	BGL
2-Chloronaphthalene	ND	10	µg/L	1		SW-846 8270D	8/31/17	9/5/17 10:16	BGL
2-Chlorophenol	ND	10	µg/L	1		SW-846 8270D	8/31/17	9/5/17 10:16	BGL
4-Chlorophenylphenylether	ND	10	µg/L	1		SW-846 8270D	8/31/17	9/5/17 10:16	BGL
Chrysene (SIM)	ND	0.20	µg/L	1		SW-846 8270D	8/31/17	9/5/17 17:14	CJM
Dibenz(a,h)anthracene (SIM)	ND	0.20	µg/L	1	R-05	SW-846 8270D	8/31/17	9/5/17 17:14	CJM
Dibenzofuran	ND	5.0	µg/L	1		SW-846 8270D	8/31/17	9/5/17 10:16	BGL
Di-n-butylphthalate	ND	10	µg/L	1		SW-846 8270D	8/31/17	9/5/17 10:16	BGL
3,3-Dichlorobenzidine	ND	10	µg/L	1		SW-846 8270D	8/31/17	9/5/17 10:16	BGL
2,4-Dichlorophenol	ND	10	µg/L	1		SW-846 8270D	8/31/17	9/5/17 10:16	BGL
Diethylphthalate	ND	10	µg/L	1		SW-846 8270D	8/31/17	9/5/17 10:16	BGL
2,4-Dimethylphenol	ND	10	µg/L	1		SW-846 8270D	8/31/17	9/5/17 10:16	BGL
Dimethylphthalate	ND	10	µg/L	1		SW-846 8270D	8/31/17	9/5/17 10:16	BGL
4,6-Dinitro-2-methylphenol	ND	10	µg/L	1		SW-846 8270D	8/31/17	9/5/17 10:16	BGL
2,4-Dinitrophenol	ND	10	µg/L	1		SW-846 8270D	8/31/17	9/5/17 10:16	BGL
2,4-Dinitrotoluene	ND	10	µg/L	1		SW-846 8270D	8/31/17	9/5/17 10:16	BGL
2,6-Dinitrotoluene	ND	10	µg/L	1		SW-846 8270D	8/31/17	9/5/17 10:16	BGL
Di-n-octylphthalate	ND	10	µg/L	1		SW-846 8270D	8/31/17	9/5/17 10:16	BGL
Fluoranthene (SIM)	ND	0.50	µg/L	1		SW-846 8270D	8/31/17	9/5/17 17:14	CJM
Fluorene (SIM)	ND	1.0	µg/L	1		SW-846 8270D	8/31/17	9/5/17 17:14	CJM
Hexachlorobenzene	ND	5.0	µg/L	1	RL-03	SW-846 8270D	8/31/17	9/5/17 10:16	BGL
Hexachlorobutadiene	ND	10	µg/L	1		SW-846 8270D	8/31/17	9/5/17 10:16	BGL
Hexachlorocyclopentadiene	ND	10	µg/L	1	V-05	SW-846 8270D	8/31/17	9/5/17 10:16	BGL
Hexachloroethane	ND	2.0	µg/L	1		SW-846 8270D	8/31/17	9/5/17 10:16	BGL
Indeno(1,2,3-cd)pyrene (SIM)	ND	0.20	µg/L	1	R-05	SW-846 8270D	8/31/17	9/5/17 17:14	CJM
Isophorone	ND	10	µg/L	1		SW-846 8270D	8/31/17	9/5/17 10:16	BGL
2-Methylnaphthalene (SIM)	ND	1.0	µg/L	1	R-05	SW-846 8270D	8/31/17	9/5/17 17:14	CJM

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1432

Date Received: 8/25/2017

Field Sample #: EB-52 Sampled: 8/25/2017 12:15

Sample ID: 17H1432-07

Sample Matrix: Equipment Blank Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Methylphenol	ND	10	µg/L	1		SW-846 8270D	8/31/17	9/5/17 10:16	BGL
3/4-Methylphenol	ND	10	µg/L	1		SW-846 8270D	8/31/17	9/5/17 10:16	BGL
Naphthalene (SIM)	ND	1.0	µg/L	1		SW-846 8270D	8/31/17	9/5/17 17:14	CJM
2-Nitroaniline	ND	10	µg/L	1		SW-846 8270D	8/31/17	9/5/17 10:16	BGL
3-Nitroaniline	ND	10	µg/L	1		SW-846 8270D	8/31/17	9/5/17 10:16	BGL
4-Nitroaniline	ND	10	µg/L	1		SW-846 8270D	8/31/17	9/5/17 10:16	BGL
Nitrobenzene	ND	10	µg/L	1		SW-846 8270D	8/31/17	9/5/17 10:16	BGL
2-Nitrophenol	ND	10	µg/L	1		SW-846 8270D	8/31/17	9/5/17 10:16	BGL
4-Nitrophenol	ND	10	µg/L	1		SW-846 8270D	8/31/17	9/5/17 10:16	BGL
N-Nitrosodiphenylamine	ND	10	µg/L	1		SW-846 8270D	8/31/17	9/5/17 10:16	BGL
N-Nitrosodi-n-propylamine	ND	10	µg/L	1		SW-846 8270D	8/31/17	9/5/17 10:16	BGL
Pentachloronitrobenzene	ND	10	µg/L	1	V-16	SW-846 8270D	8/31/17	9/5/17 10:16	BGL
Pentachlorophenol	ND	5.0	µg/L	1	RL-03	SW-846 8270D	8/31/17	9/5/17 10:16	BGL
Phenanthrene (SIM)	ND	0.050	µg/L	1		SW-846 8270D	8/31/17	9/5/17 17:14	CJM
Phenol	ND	10	µg/L	1		SW-846 8270D	8/31/17	9/5/17 10:16	BGL
Pyrene (SIM)	ND	1.0	µg/L	1		SW-846 8270D	8/31/17	9/5/17 17:14	CJM
Pyridine	ND	5.0	µg/L	1		SW-846 8270D	8/31/17	9/5/17 10:16	BGL
1,2,4,5-Tetrachlorobenzene	ND	10	µg/L	1		SW-846 8270D	8/31/17	9/5/17 10:16	BGL
1,2,4-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8270D	8/31/17	9/5/17 10:16	BGL
2,4,5-Trichlorophenol	ND	10	µg/L	1		SW-846 8270D	8/31/17	9/5/17 10:16	BGL
2,4,6-Trichlorophenol	ND	10	µg/L	1		SW-846 8270D	8/31/17	9/5/17 10:16	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	44.3	15-110		9/5/17 10:16
Phenol-d6	29.4	15-110		9/5/17 10:16
Nitrobenzene-d5	89.2	30-130		9/5/17 10:16
Nitrobenzene-d5	75.1	30-130		9/5/17 17:14
2-Fluorobiphenyl	81.1	30-130		9/5/17 10:16
2-Fluorobiphenyl	71.2	30-130		9/5/17 17:14
2,4,6-Tribromophenol	100	15-110		9/5/17 10:16
p-Terphenyl-d14	67.2	30-130		9/5/17 17:14
p-Terphenyl-d14	103	30-130		9/5/17 10:16

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1432

Date Received: 8/25/2017

Field Sample #: EB-52 Sampled: 8/25/2017 12:15

Sample ID: 17H1432-07

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	R-05	SW-846 8082A	8/30/17	9/1/17 14:46	TG
Aroclor-1221 [1]	ND	0.20	µg/L	1		SW-846 8082A	8/30/17	9/1/17 14:46	TG
Aroclor-1232 [1]	ND	0.20	µg/L	1		SW-846 8082A	8/30/17	9/1/17 14:46	TG
Aroclor-1242 [1]	ND	0.20	µg/L	1		SW-846 8082A	8/30/17	9/1/17 14:46	TG
Aroclor-1248 [1]	ND	0.20	µg/L	1		SW-846 8082A	8/30/17	9/1/17 14:46	TG
Aroclor-1254 [1]	ND	0.20	µg/L	1		SW-846 8082A	8/30/17	9/1/17 14:46	TG
Aroclor-1260 [1]	ND	0.20	µg/L	1	R-05	SW-846 8082A	8/30/17	9/1/17 14:46	TG
Aroclor-1262 [1]	ND	0.20	µg/L	1		SW-846 8082A	8/30/17	9/1/17 14:46	TG
Aroclor-1268 [1]	ND	0.20	µg/L	1		SW-846 8082A	8/30/17	9/1/17 14:46	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	84.3	30-150		9/1/17 14:46
Decachlorobiphenyl [2]	73.3	30-150		9/1/17 14:46
Tetrachloro-m-xylene [1]	95.3	30-150		9/1/17 14:46
Tetrachloro-m-xylene [2]	91.6	30-150		9/1/17 14:46

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

Project Location: 510 Grand Ave., New Haven, CT
Sample Description:
Work Order: 17H1432

Date Received: 8/25/2017

Field Sample #: EB-52
Sampled: 8/25/2017 12:15

Sample ID: 17H1432-07

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	8/28/17	8/29/17 21:42	SCS

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
o-Terphenyl	92.4	50-150		8/29/17 21:42

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1432

Date Received: 8/25/2017

Field Sample #: EB-52 Sampled: 8/25/2017 12:15

Sample ID: 17H1432-07

Sample Matrix: Equipment Blank Water

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	ND	5.0	µg/L	5		SW-846 6020A-B	8/29/17	8/30/17 7:10	MJH
Arsenic	ND	2.0	µg/L	5		SW-846 6020A-B	8/29/17	8/30/17 7:10	MJH
Barium	ND	50	µg/L	5		SW-846 6020A-B	8/29/17	8/30/17 7:10	MJH
Beryllium	ND	2.0	µg/L	5		SW-846 6020A-B	8/29/17	8/30/17 7:10	MJH
Cadmium	ND	2.5	µg/L	5		SW-846 6020A-B	8/29/17	8/30/17 7:10	MJH
Chromium	ND	5.0	µg/L	5		SW-846 6020A-B	8/29/17	8/30/17 7:10	MJH
Copper	ND	25	µg/L	5		SW-846 6020A-B	8/29/17	8/30/17 7:10	MJH
Lead	ND	5.0	µg/L	5		SW-846 6020A-B	8/29/17	8/30/17 7:10	MJH
Mercury	ND	0.00010	mg/L	1		SW-846 7470A	8/29/17	8/29/17 16:18	TJK
Nickel	ND	25	µg/L	5		SW-846 6020A-B	8/29/17	8/30/17 7:10	MJH
Selenium	ND	25	µg/L	5		SW-846 6020A-B	8/29/17	8/30/17 7:10	MJH
Silver	ND	2.5	µg/L	5		SW-846 6020A-B	8/29/17	8/30/17 7:10	MJH
Thallium	ND	1.0	µg/L	5		SW-846 6020A-B	8/29/17	8/30/17 7:10	MJH
Vanadium	ND	25	µg/L	5		SW-846 6020A-B	8/29/17	8/30/17 7:10	MJH
Zinc	ND	50	µg/L	5		SW-846 6020A-B	8/29/17	8/30/17 7:10	MJH

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

Sample Extraction Data

Prep Method: SW-846 3546-CTDEP ETPH

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17H1432-01 [WS-AOC-9-SE-85]	B185314	30.0	1.00	08/31/17
17H1432-02 [WS-AOC-9-SE-87]	B185314	30.0	1.00	08/31/17
17H1432-03 [WS-AOC-9-SE-88]	B185314	30.0	1.00	08/31/17
17H1432-04 [WS-AOC-9-SE-90]	B185314	30.0	1.00	08/31/17
17H1432-05 [WS-AOC-8-SE-23]	B185314	30.0	1.00	08/31/17

Prep Method: SW-846 3510C-CTDEP ETPH

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
17H1432-07 [EB-52]	B185009	1000	1.00	08/28/17

Prep Method: % Solids-SM 2540G

Lab Number [Field ID]	Batch	Date
17H1432-01 [WS-AOC-9-SE-85]	B185306	08/31/17
17H1432-02 [WS-AOC-9-SE-87]	B185306	08/31/17
17H1432-03 [WS-AOC-9-SE-88]	B185306	08/31/17
17H1432-04 [WS-AOC-9-SE-90]	B185306	08/31/17
17H1432-05 [WS-AOC-8-SE-23]	B185306	08/31/17

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17H1432-01 [WS-AOC-9-SE-85]	B185233	0.991	50.0	08/30/17
17H1432-02 [WS-AOC-9-SE-87]	B185233	1.00	50.0	08/30/17
17H1432-03 [WS-AOC-9-SE-88]	B185233	1.06	50.0	08/30/17
17H1432-04 [WS-AOC-9-SE-90]	B185233	1.04	50.0	08/30/17
17H1432-05 [WS-AOC-8-SE-23]	B185233	1.05	50.0	08/30/17

Prep Method: SW-846 3005A-SW-846 6020A-B

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
17H1432-07 [EB-52]	B185091	50.0	50.0	08/29/17

Prep Method: SW-846 7470A Prep-SW-846 7470A

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
17H1432-07 [EB-52]	B184951	6.00	6.00	08/29/17

Prep Method: SW-846 7471-SW-846 7471B

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17H1432-01 [WS-AOC-9-SE-85]	B185230	0.601	50.0	08/30/17
17H1432-02 [WS-AOC-9-SE-87]	B185230	0.611	50.0	08/30/17
17H1432-03 [WS-AOC-9-SE-88]	B185230	0.628	50.0	08/30/17
17H1432-04 [WS-AOC-9-SE-90]	B185230	0.596	50.0	08/30/17
17H1432-05 [WS-AOC-8-SE-23]	B185230	0.621	50.0	08/30/17

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

Sample Extraction Data

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17H1432-01 [WS-AOC-9-SE-85]	B185359	10.1	10.0	09/01/17
17H1432-02 [WS-AOC-9-SE-87]	B185359	10.1	10.0	09/01/17
17H1432-03 [WS-AOC-9-SE-88]	B185359	10.3	10.0	09/01/17
17H1432-04 [WS-AOC-9-SE-90]	B185359	10.1	10.0	09/01/17
17H1432-05 [WS-AOC-8-SE-23]	B185359	10.5	10.0	09/01/17

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

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
17H1432-07 [EB-52]	B185250	1000	10.0	08/30/17

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

Lab Number [Field ID]	Batch	Sample Amount(g)	Methanol Volume(mL)	Methanol Aliquot(mL)	Final Volume(mL)	Date
17H1432-01 [WS-AOC-9-SE-85]	B185016	7.83	5.74	1	50	08/28/17
17H1432-03 [WS-AOC-9-SE-88]	B185016	4.54	7.62	1	50	08/28/17
17H1432-04 [WS-AOC-9-SE-90]	B185016	6.36	9.26	1	50	08/28/17
17H1432-05 [WS-AOC-8-SE-23]	B185016	7.12	7.30	1	50	08/28/17

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17H1432-02 [WS-AOC-9-SE-87]	B185050	7.07	10.0	08/28/17
17H1432-06 [Trip Blank]	B185050	5.00	10.0	08/28/17

Prep Method: SW-846 5030B-SW-846 8260C

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
17H1432-07 [EB-52]	B185190	5	5.00	08/30/17

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17H1432-01 [WS-AOC-9-SE-85]	B185320	30.0	1.00	08/31/17
17H1432-02 [WS-AOC-9-SE-87]	B185320	30.0	1.00	08/31/17
17H1432-03 [WS-AOC-9-SE-88]	B185320	30.0	1.00	08/31/17
17H1432-04 [WS-AOC-9-SE-90]	B185320	30.0	1.00	08/31/17
17H1432-05 [WS-AOC-8-SE-23]	B185320	30.0	1.00	08/31/17

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

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
17H1432-07 [EB-52]	B185269	1000	1.00	08/31/17

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

Sample Extraction Data

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

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
17H1432-07 [EB-52]	B185602	1000	1.00	08/31/17

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

QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B185016 - SW-846 5035										
Blank (B185016-BLK1)				Prepared: 08/28/17 Analyzed: 09/05/17						
Acetone	ND	2.5	mg/Kg wet							
Acrylonitrile	ND	0.25	mg/Kg wet							
Benzene	ND	0.050	mg/Kg wet							
Bromobenzene	ND	0.050	mg/Kg wet							
Bromodichloromethane	ND	0.050	mg/Kg wet							
Bromoform	ND	0.050	mg/Kg wet							
Bromomethane	ND	0.10	mg/Kg wet							
2-Butanone (MEK)	ND	1.0	mg/Kg wet							
n-Butylbenzene	ND	0.050	mg/Kg wet							
sec-Butylbenzene	ND	0.050	mg/Kg wet							
tert-Butylbenzene	ND	0.050	mg/Kg wet							
Carbon Disulfide	ND	0.15	mg/Kg wet							
Carbon Tetrachloride	ND	0.050	mg/Kg wet							
Chlorobenzene	ND	0.050	mg/Kg wet							
Chlorodibromomethane	ND	0.025	mg/Kg wet							
Chloroethane	ND	0.10	mg/Kg wet							
Chloroform	ND	0.10	mg/Kg wet							
Chloromethane	ND	0.10	mg/Kg wet							
2-Chlorotoluene	ND	0.050	mg/Kg wet							
4-Chlorotoluene	ND	0.050	mg/Kg wet							
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.25	mg/Kg wet							
1,2-Dibromoethane (EDB)	ND	0.025	mg/Kg wet							
Dibromomethane	ND	0.050	mg/Kg wet							
1,2-Dichlorobenzene	ND	0.050	mg/Kg wet							
1,3-Dichlorobenzene	ND	0.050	mg/Kg wet							
1,4-Dichlorobenzene	ND	0.050	mg/Kg wet							
trans-1,4-Dichloro-2-butene	ND	0.10	mg/Kg wet							
Dichlorodifluoromethane (Freon 12)	ND	0.10	mg/Kg wet							
1,1-Dichloroethane	ND	0.050	mg/Kg wet							
1,2-Dichloroethane	ND	0.050	mg/Kg wet							
1,1-Dichloroethylene	ND	0.050	mg/Kg wet							
cis-1,2-Dichloroethylene	ND	0.050	mg/Kg wet							
trans-1,2-Dichloroethylene	ND	0.050	mg/Kg wet							
1,2-Dichloropropane	ND	0.050	mg/Kg wet							
1,3-Dichloropropane	ND	0.025	mg/Kg wet							
2,2-Dichloropropane	ND	0.050	mg/Kg wet							
1,1-Dichloropropene	ND	0.10	mg/Kg wet							
cis-1,3-Dichloropropene	ND	0.025	mg/Kg wet							
trans-1,3-Dichloropropene	ND	0.025	mg/Kg wet							
Ethylbenzene	ND	0.050	mg/Kg wet							
Hexachlorobutadiene	ND	0.050	mg/Kg wet							
2-Hexanone (MBK)	ND	0.50	mg/Kg wet							
Isopropylbenzene (Cumene)	ND	0.050	mg/Kg wet							
p-Isopropyltoluene (p-Cymene)	ND	0.050	mg/Kg wet							
Methyl tert-Butyl Ether (MTBE)	ND	0.050	mg/Kg wet							
Methylene Chloride	ND	0.25	mg/Kg wet							
4-Methyl-2-pentanone (MIBK)	ND	0.50	mg/Kg wet							
Naphthalene	ND	0.10	mg/Kg wet							
n-Propylbenzene	ND	0.050	mg/Kg wet							
Styrene	ND	0.050	mg/Kg wet							
1,1,1,2-Tetrachloroethane	ND	0.050	mg/Kg wet							
1,1,2,2-Tetrachloroethane	ND	0.025	mg/Kg wet							

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes
Batch B185016 - SW-846 5035											
Blank (B185016-BLK1)				Prepared: 08/28/17 Analyzed: 09/05/17							
Tetrachloroethylene	ND	0.050	mg/Kg wet								
Tetrahydrofuran	ND	0.50	mg/Kg wet								
Toluene	ND	0.050	mg/Kg wet								
1,2,3-Trichlorobenzene	ND	0.25	mg/Kg wet								
1,2,4-Trichlorobenzene	ND	0.050	mg/Kg wet								
1,1,1-Trichloroethane	ND	0.050	mg/Kg wet								
1,1,2-Trichloroethane	ND	0.050	mg/Kg wet								
Trichloroethylene	ND	0.050	mg/Kg wet								
Trichlorofluoromethane (Freon 11)	ND	0.10	mg/Kg wet								
1,2,3-Trichloropropane	ND	0.10	mg/Kg wet								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.050	mg/Kg wet								
1,2,4-Trimethylbenzene	ND	0.050	mg/Kg wet								
1,3,5-Trimethylbenzene	ND	0.050	mg/Kg wet								
Vinyl Chloride	ND	0.10	mg/Kg wet								
m+p Xylene	ND	0.10	mg/Kg wet								
o-Xylene	ND	0.050	mg/Kg wet								
Surrogate: 1,2-Dichloroethane-d4	*0.0275*		mg/Kg wet	0.0250		110		70-130			
Surrogate: Toluene-d8	*0.0253*		mg/Kg wet	0.0250		101		70-130			
Surrogate: 4-Bromofluorobenzene	*0.0231*		mg/Kg wet	0.0250		92.4		70-130			
LCS (B185016-BS1)				Prepared: 08/28/17 Analyzed: 09/05/17							
Acetone	0.125	0.057	mg/Kg wet	0.113		110		70-130			
Acrylonitrile	0.0123	0.0057	mg/Kg wet	0.0113		109		70-130			
Benzene	0.0126	0.0011	mg/Kg wet	0.0113		111		70-130			
Bromobenzene	0.0128	0.0011	mg/Kg wet	0.0113		113		70-130			
Bromodichloromethane	0.0128	0.0011	mg/Kg wet	0.0113		113		70-130			
Bromoform	0.0117	0.0011	mg/Kg wet	0.0113		104		70-130			
Bromomethane	0.0147	0.0023	mg/Kg wet	0.0113		129		70-130			
2-Butanone (MEK)	0.139	0.023	mg/Kg wet	0.113		123		70-130			
n-Butylbenzene	0.0142	0.0011	mg/Kg wet	0.0113		125		70-130			
sec-Butylbenzene	0.0133	0.0011	mg/Kg wet	0.0113		118		70-130			
tert-Butylbenzene	0.0132	0.0011	mg/Kg wet	0.0113		117		70-130			
Carbon Disulfide	0.140	0.0034	mg/Kg wet	0.113		124		70-130			
Carbon Tetrachloride	0.0131	0.0011	mg/Kg wet	0.0113		116		70-130			
Chlorobenzene	0.0120	0.0011	mg/Kg wet	0.0113		106		70-130			
Chlorodibromomethane	0.0137	0.00057	mg/Kg wet	0.0113		121		70-130			
Chloroethane	0.0130	0.0023	mg/Kg wet	0.0113		115		70-130			
Chloroform	0.0124	0.0023	mg/Kg wet	0.0113		109		70-130			
Chloromethane	0.0159	0.0023	mg/Kg wet	0.0113		**141**	*	70-130			L-01
2-Chlorotoluene	0.0108	0.0011	mg/Kg wet	0.0113		95.1		70-130			
4-Chlorotoluene	0.0120	0.0011	mg/Kg wet	0.0113		106		70-130			
1,2-Dibromo-3-chloropropane (DBCP)	0.0148	0.0057	mg/Kg wet	0.0113		**131**	*	70-130			L-01
1,2-Dibromoethane (EDB)	0.0127	0.00057	mg/Kg wet	0.0113		112		70-130			
Dibromomethane	0.0121	0.0011	mg/Kg wet	0.0113		107		70-130			
1,2-Dichlorobenzene	0.0131	0.0011	mg/Kg wet	0.0113		115		70-130			
1,3-Dichlorobenzene	0.0127	0.0011	mg/Kg wet	0.0113		112		70-130			
1,4-Dichlorobenzene	0.0119	0.0011	mg/Kg wet	0.0113		105		70-130			
trans-1,4-Dichloro-2-butene	0.0143	0.0023	mg/Kg wet	0.0113		126		70-130			
Dichlorodifluoromethane (Freon 12)	0.0139	0.0023	mg/Kg wet	0.0113		122		70-130			
1,1-Dichloroethane	0.0137	0.0011	mg/Kg wet	0.0113		121		70-130			
1,2-Dichloroethane	0.0120	0.0011	mg/Kg wet	0.0113		106		70-130			
1,1-Dichloroethylene	0.0130	0.0011	mg/Kg wet	0.0113		115		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 B185016 - SW-846 5035										
LCS (B185016-BS1)				Prepared: 08/28/17 Analyzed: 09/05/17						
cis-1,2-Dichloroethylene	0.0130	0.0011	mg/Kg wet	0.0113		115	70-130			
trans-1,2-Dichloroethylene	0.0135	0.0011	mg/Kg wet	0.0113		119	70-130			
1,2-Dichloropropane	0.0116	0.0011	mg/Kg wet	0.0113		102	70-130			
1,3-Dichloropropane	0.0123	0.00057	mg/Kg wet	0.0113		108	70-130			
2,2-Dichloropropane	0.0130	0.0011	mg/Kg wet	0.0113		115	70-130			
1,1-Dichloropropene	0.0134	0.0023	mg/Kg wet	0.0113		118	70-130			
cis-1,3-Dichloropropene	0.0125	0.00057	mg/Kg wet	0.0113		110	70-130			
trans-1,3-Dichloropropene	0.0115	0.00057	mg/Kg wet	0.0113		101	70-130			
Ethylbenzene	0.0126	0.0011	mg/Kg wet	0.0113		111	70-130			
Hexachlorobutadiene	0.0131	0.0011	mg/Kg wet	0.0113		116	70-130			
2-Hexanone (MBK)	0.141	0.011	mg/Kg wet	0.113		124	70-130			
Isopropylbenzene (Cumene)	0.0124	0.0011	mg/Kg wet	0.0113		109	70-130			
p-Isopropyltoluene (p-Cymene)	0.0139	0.0011	mg/Kg wet	0.0113		122	70-130			
Methyl tert-Butyl Ether (MTBE)	0.0122	0.0011	mg/Kg wet	0.0113		107	70-130			
Methylene Chloride	0.0125	0.0057	mg/Kg wet	0.0113		111	70-130			
4-Methyl-2-pentanone (MIBK)	0.131	0.011	mg/Kg wet	0.113		115	70-130			
Naphthalene	0.0133	0.0023	mg/Kg wet	0.0113		117	70-130			
n-Propylbenzene	0.0127	0.0011	mg/Kg wet	0.0113		112	70-130			
Styrene	0.0121	0.0011	mg/Kg wet	0.0113		107	70-130			
1,1,1,2-Tetrachloroethane	0.0124	0.0011	mg/Kg wet	0.0113		110	70-130			
1,1,2,2-Tetrachloroethane	0.0127	0.00057	mg/Kg wet	0.0113		112	70-130			
Tetrachloroethylene	0.0124	0.0011	mg/Kg wet	0.0113		109	70-130			
Tetrahydrofuran	0.0123	0.011	mg/Kg wet	0.0113		108	70-130			
Toluene	0.0122	0.0011	mg/Kg wet	0.0113		108	70-130			
1,2,3-Trichlorobenzene	0.0128	0.0057	mg/Kg wet	0.0113		113	70-130			
1,2,4-Trichlorobenzene	0.0130	0.0011	mg/Kg wet	0.0113		115	70-130			
1,1,1-Trichloroethane	0.0133	0.0011	mg/Kg wet	0.0113		117	70-130			
1,1,2-Trichloroethane	0.0126	0.0011	mg/Kg wet	0.0113		111	70-130			
Trichloroethylene	0.0124	0.0011	mg/Kg wet	0.0113		110	70-130			
Trichlorofluoromethane (Freon 11)	0.0126	0.0023	mg/Kg wet	0.0113		112	70-130			
1,2,3-Trichloropropane	0.0130	0.0023	mg/Kg wet	0.0113		114	70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.0124	0.0011	mg/Kg wet	0.0113		109	70-130			
1,2,4-Trimethylbenzene	0.0134	0.0011	mg/Kg wet	0.0113		118	70-130			
1,3,5-Trimethylbenzene	0.0127	0.0011	mg/Kg wet	0.0113		112	70-130			
Vinyl Chloride	0.0104	0.0023	mg/Kg wet	0.0113		92.2	70-130			
m+p Xylene	0.0253	0.0023	mg/Kg wet	0.0227		112	70-130			
o-Xylene	0.0125	0.0011	mg/Kg wet	0.0113		110	70-130			
Surrogate: 1,2-Dichloroethane-d4	*0.0318*		mg/Kg wet	0.0283		112	70-130			
Surrogate: Toluene-d8	*0.0288*		mg/Kg wet	0.0283		102	70-130			
Surrogate: 4-Bromofluorobenzene	*0.0274*		mg/Kg wet	0.0283		96.8	70-130			
Batch B185050 - SW-846 5035										
Blank (B185050-BLK1)				Prepared & Analyzed: 08/28/17						
Acetone	ND	0.10	mg/Kg wet							
Acrylonitrile	ND	0.0060	mg/Kg wet							
Benzene	ND	0.0020	mg/Kg wet							
Bromobenzene	ND	0.0020	mg/Kg wet							
Bromodichloromethane	ND	0.0020	mg/Kg wet							
Bromoform	ND	0.0020	mg/Kg wet							
Bromomethane	ND	0.010	mg/Kg wet							
2-Butanone (MEK)	ND	0.040	mg/Kg wet							

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B185050 - SW-846 5035										
Blank (B185050-BLK1)				Prepared & Analyzed: 08/28/17						
n-Butylbenzene	ND	0.0020	mg/Kg wet							
sec-Butylbenzene	ND	0.0020	mg/Kg wet							
tert-Butylbenzene	ND	0.0020	mg/Kg wet							
Carbon Disulfide	ND	0.0060	mg/Kg wet							
Carbon Tetrachloride	ND	0.0020	mg/Kg wet							
Chlorobenzene	ND	0.0020	mg/Kg wet							
Chlorodibromomethane	ND	0.0010	mg/Kg wet							
Chloroethane	ND	0.020	mg/Kg wet							
Chloroform	ND	0.0040	mg/Kg wet							
Chloromethane	ND	0.010	mg/Kg wet							
2-Chlorotoluene	ND	0.0020	mg/Kg wet							
4-Chlorotoluene	ND	0.0020	mg/Kg wet							
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0020	mg/Kg wet							
1,2-Dibromoethane (EDB)	ND	0.0010	mg/Kg wet							
Dibromomethane	ND	0.0020	mg/Kg wet							
1,2-Dichlorobenzene	ND	0.0020	mg/Kg wet							
1,3-Dichlorobenzene	ND	0.0020	mg/Kg wet							
1,4-Dichlorobenzene	ND	0.0020	mg/Kg wet							
trans-1,4-Dichloro-2-butene	ND	0.0040	mg/Kg wet							
Dichlorodifluoromethane (Freon 12)	ND	0.020	mg/Kg wet							
1,1-Dichloroethane	ND	0.0020	mg/Kg wet							
1,2-Dichloroethane	ND	0.0020	mg/Kg wet							
1,1-Dichloroethylene	ND	0.0040	mg/Kg wet							
cis-1,2-Dichloroethylene	ND	0.0020	mg/Kg wet							
trans-1,2-Dichloroethylene	ND	0.0020	mg/Kg wet							
1,2-Dichloropropane	ND	0.0020	mg/Kg wet							
1,3-Dichloropropane	ND	0.0010	mg/Kg wet							
2,2-Dichloropropane	ND	0.0020	mg/Kg wet							
1,1-Dichloropropene	ND	0.0020	mg/Kg wet							
cis-1,3-Dichloropropene	ND	0.0010	mg/Kg wet							
trans-1,3-Dichloropropene	ND	0.0010	mg/Kg wet							
Ethylbenzene	ND	0.0020	mg/Kg wet							
Hexachlorobutadiene	ND	0.0020	mg/Kg wet							
2-Hexanone (MBK)	ND	0.020	mg/Kg wet							
Isopropylbenzene (Cumene)	ND	0.0020	mg/Kg wet							
p-Isopropyltoluene (p-Cymene)	ND	0.0020	mg/Kg wet							
Methyl tert-Butyl Ether (MTBE)	ND	0.0040	mg/Kg wet							
Methylene Chloride	ND	0.020	mg/Kg wet							
4-Methyl-2-pentanone (MIBK)	ND	0.020	mg/Kg wet							
Naphthalene	ND	0.0040	mg/Kg wet							
n-Propylbenzene	ND	0.0020	mg/Kg wet							
Styrene	ND	0.0020	mg/Kg wet							
1,1,1,2-Tetrachloroethane	ND	0.0020	mg/Kg wet							
1,1,2,2-Tetrachloroethane	ND	0.0010	mg/Kg wet							
Tetrachloroethylene	ND	0.0020	mg/Kg wet							
Tetrahydrofuran	ND	0.010	mg/Kg wet							
Toluene	ND	0.0020	mg/Kg wet							
1,2,3-Trichlorobenzene	ND	0.0020	mg/Kg wet							
1,2,4-Trichlorobenzene	ND	0.0020	mg/Kg wet							
1,1,1-Trichloroethane	ND	0.0020	mg/Kg wet							
1,1,2-Trichloroethane	ND	0.0020	mg/Kg wet							
Trichloroethylene	ND	0.0020	mg/Kg wet							

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QUALITY CONTROL

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Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B185050 - SW-846 5035										
Blank (B185050-BLK1)				Prepared & Analyzed: 08/28/17						
Trichlorofluoromethane (Freon 11)	ND	0.010	mg/Kg wet							
1,2,3-Trichloropropane	ND	0.0020	mg/Kg wet							
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.010	mg/Kg wet							
1,2,4-Trimethylbenzene	ND	0.0020	mg/Kg wet							
1,3,5-Trimethylbenzene	ND	0.0020	mg/Kg wet							
Vinyl Chloride	ND	0.010	mg/Kg wet							
m+p Xylene	ND	0.0040	mg/Kg wet							
o-Xylene	ND	0.0020	mg/Kg wet							
Surrogate: 1,2-Dichloroethane-d4	*0.0485*		mg/Kg wet	0.0500		96.9	70-130			
Surrogate: Toluene-d8	*0.0468*		mg/Kg wet	0.0500		93.6	70-130			
Surrogate: 4-Bromofluorobenzene	*0.0448*		mg/Kg wet	0.0500		89.7	70-130			
LCS (B185050-BS1)				Prepared & Analyzed: 08/28/17						
Acetone	0.143	0.10	mg/Kg wet	0.200		71.7	70-130			
Acrylonitrile	0.0201	0.0060	mg/Kg wet	0.0200		101	70-130			
Benzene	0.0192	0.0020	mg/Kg wet	0.0200		96.1	70-130			
Bromobenzene	0.0194	0.0020	mg/Kg wet	0.0200		97.2	70-130			
Bromodichloromethane	0.0206	0.0020	mg/Kg wet	0.0200		103	70-130			
Bromoform	0.0182	0.0020	mg/Kg wet	0.0200		91.2	70-130			
Bromomethane	0.0211	0.010	mg/Kg wet	0.0200		106	70-130			
2-Butanone (MEK)	0.163	0.040	mg/Kg wet	0.200		81.4	70-130			
n-Butylbenzene	0.0184	0.0020	mg/Kg wet	0.0200		91.9	70-130			
sec-Butylbenzene	0.0176	0.0020	mg/Kg wet	0.0200		87.9	70-130			
tert-Butylbenzene	0.0182	0.0020	mg/Kg wet	0.0200		90.8	70-130			
Carbon Disulfide	0.198	0.0060	mg/Kg wet	0.200		98.9	70-130			
Carbon Tetrachloride	0.0199	0.0020	mg/Kg wet	0.0200		99.7	70-130			
Chlorobenzene	0.0199	0.0020	mg/Kg wet	0.0200		99.4	70-130			
Chlorodibromomethane	0.0203	0.0010	mg/Kg wet	0.0200		102	70-130			
Chloroethane	0.0191	0.020	mg/Kg wet	0.0200		95.3	70-130			
Chloroform	0.0197	0.0040	mg/Kg wet	0.0200		98.5	70-130			
Chloromethane	0.0197	0.010	mg/Kg wet	0.0200		98.3	70-130			
2-Chlorotoluene	0.0200	0.0020	mg/Kg wet	0.0200		100	70-130			
4-Chlorotoluene	0.0195	0.0020	mg/Kg wet	0.0200		97.6	70-130			
1,2-Dibromo-3-chloropropane (DBCP)	0.0182	0.0020	mg/Kg wet	0.0200		90.8	70-130			
1,2-Dibromoethane (EDB)	0.0200	0.0010	mg/Kg wet	0.0200		100	70-130			
Dibromomethane	0.0209	0.0020	mg/Kg wet	0.0200		105	70-130			
1,2-Dichlorobenzene	0.0193	0.0020	mg/Kg wet	0.0200		96.3	70-130			
1,3-Dichlorobenzene	0.0193	0.0020	mg/Kg wet	0.0200		96.5	70-130			
1,4-Dichlorobenzene	0.0192	0.0020	mg/Kg wet	0.0200		95.8	70-130			
trans-1,4-Dichloro-2-butene	0.0185	0.0040	mg/Kg wet	0.0200		92.7	70-130			
Dichlorodifluoromethane (Freon 12)	0.0226	0.020	mg/Kg wet	0.0200		113	70-130			
1,1-Dichloroethane	0.0205	0.0020	mg/Kg wet	0.0200		102	70-130			
1,2-Dichloroethane	0.0210	0.0020	mg/Kg wet	0.0200		105	70-130			
1,1-Dichloroethylene	0.0194	0.0040	mg/Kg wet	0.0200		97.1	70-130			
cis-1,2-Dichloroethylene	0.0192	0.0020	mg/Kg wet	0.0200		95.9	70-130			
trans-1,2-Dichloroethylene	0.0191	0.0020	mg/Kg wet	0.0200		95.7	70-130			
1,2-Dichloropropane	0.0192	0.0020	mg/Kg wet	0.0200		96.2	70-130			
1,3-Dichloropropane	0.0201	0.0010	mg/Kg wet	0.0200		100	70-130			
2,2-Dichloropropane	0.0165	0.0020	mg/Kg wet	0.0200		82.3	70-130			
1,1-Dichloropropene	0.0198	0.0020	mg/Kg wet	0.0200		98.9	70-130			
cis-1,3-Dichloropropene	0.0190	0.0010	mg/Kg wet	0.0200		94.9	70-130			
trans-1,3-Dichloropropene	0.0186	0.0010	mg/Kg wet	0.0200		92.9	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 B185050 - SW-846 5035										
LCS (B185050-BS1)				Prepared & Analyzed: 08/28/17						
Ethylbenzene	0.0199	0.0020	mg/Kg wet	0.0200		99.5	70-130			
Hexachlorobutadiene	0.0206	0.0020	mg/Kg wet	0.0200		103	70-130			
2-Hexanone (MBK)	0.181	0.020	mg/Kg wet	0.200		90.4	70-130			
Isopropylbenzene (Cumene)	0.0193	0.0020	mg/Kg wet	0.0200		96.5	70-130			
p-Isopropyltoluene (p-Cymene)	0.0188	0.0020	mg/Kg wet	0.0200		93.8	70-130			
Methyl tert-Butyl Ether (MTBE)	0.0180	0.0040	mg/Kg wet	0.0200		89.9	70-130			
Methylene Chloride	0.0203	0.020	mg/Kg wet	0.0200		102	70-130			
4-Methyl-2-pentanone (MIBK)	0.200	0.020	mg/Kg wet	0.200		99.9	70-130			
Naphthalene	0.0155	0.0040	mg/Kg wet	0.0200		77.6	70-130			
n-Propylbenzene	0.0193	0.0020	mg/Kg wet	0.0200		96.5	70-130			
Styrene	0.0194	0.0020	mg/Kg wet	0.0200		96.8	70-130			
1,1,1,2-Tetrachloroethane	0.0196	0.0020	mg/Kg wet	0.0200		97.8	70-130			
1,1,2,2-Tetrachloroethane	0.0200	0.0010	mg/Kg wet	0.0200		100	70-130			
Tetrachloroethylene	0.0212	0.0020	mg/Kg wet	0.0200		106	70-130			
Tetrahydrofuran	0.0211	0.010	mg/Kg wet	0.0200		105	70-130			
Toluene	0.0187	0.0020	mg/Kg wet	0.0200		93.7	70-130			
1,2,3-Trichlorobenzene	0.0169	0.0020	mg/Kg wet	0.0200		84.6	70-130			
1,2,4-Trichlorobenzene	0.0167	0.0020	mg/Kg wet	0.0200		83.4	70-130			
1,1,1-Trichloroethane	0.0206	0.0020	mg/Kg wet	0.0200		103	70-130			
1,1,2-Trichloroethane	0.0205	0.0020	mg/Kg wet	0.0200		102	70-130			
Trichloroethylene	0.0183	0.0020	mg/Kg wet	0.0200		91.7	70-130			
Trichlorofluoromethane (Freon 11)	0.0216	0.010	mg/Kg wet	0.0200		108	70-130			
1,2,3-Trichloropropane	0.0198	0.0020	mg/Kg wet	0.0200		99.2	70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.0205	0.010	mg/Kg wet	0.0200		102	70-130			
1,2,4-Trimethylbenzene	0.0178	0.0020	mg/Kg wet	0.0200		89.2	70-130			
1,3,5-Trimethylbenzene	0.0197	0.0020	mg/Kg wet	0.0200		98.6	70-130			
Vinyl Chloride	0.0192	0.010	mg/Kg wet	0.0200		96.1	70-130			
m+p Xylene	0.0395	0.0040	mg/Kg wet	0.0400		98.6	70-130			
o-Xylene	0.0191	0.0020	mg/Kg wet	0.0200		95.3	70-130			
Surrogate: 1,2-Dichloroethane-d4	*0.0488*		mg/Kg wet	0.0500		97.6	70-130			
Surrogate: Toluene-d8	*0.0475*		mg/Kg wet	0.0500		95.0	70-130			
Surrogate: 4-Bromofluorobenzene	*0.0485*		mg/Kg wet	0.0500		96.9	70-130			
Batch B185190 - SW-846 5030B										
Blank (B185190-BLK1)				Prepared: 08/30/17 Analyzed: 08/31/17						
Acetone	ND	10	µg/L							
Acrylonitrile	ND	2.0	µg/L							
Benzene	ND	0.50	µg/L							
Bromobenzene	ND	0.50	µg/L							
Bromodichloromethane	ND	0.50	µg/L							
Bromoform	ND	0.50	µg/L							
Bromomethane	ND	2.0	µg/L							
2-Butanone (MEK)	ND	5.0	µg/L							
n-Butylbenzene	ND	1.0	µg/L							
sec-Butylbenzene	ND	1.0	µg/L							
tert-Butylbenzene	ND	1.0	µg/L							
Carbon Disulfide	ND	5.0	µg/L							
Carbon Tetrachloride	ND	0.50	µg/L							
Chlorobenzene	ND	0.50	µg/L							
Chlorodibromomethane	ND	0.50	µg/L							
Chloroethane	ND	0.50	µg/L							

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QUALITY CONTROL

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Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B185190 - SW-846 5030B										
Blank (B185190-BLK1)				Prepared: 08/30/17 Analyzed: 08/31/17						
Chloroform	ND	0.50	µg/L							
Chloromethane	ND	2.0	µg/L							
2-Chlorotoluene	ND	0.50	µg/L							
4-Chlorotoluene	ND	0.50	µg/L							
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	µg/L							
1,2-Dibromoethane (EDB)	ND	0.50	µg/L							
Dibromomethane	ND	0.50	µg/L							
1,2-Dichlorobenzene	ND	0.50	µg/L							
1,3-Dichlorobenzene	ND	0.50	µg/L							
1,4-Dichlorobenzene	ND	0.50	µg/L							
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L							
Dichlorodifluoromethane (Freon 12)	ND	0.50	µg/L							
1,1-Dichloroethane	ND	0.50	µg/L							
1,2-Dichloroethane	ND	2.0	µg/L							
1,1-Dichloroethylene	ND	0.50	µg/L							
cis-1,2-Dichloroethylene	ND	0.50	µg/L							
trans-1,2-Dichloroethylene	ND	1.0	µg/L							
1,2-Dichloropropane	ND	0.50	µg/L							
1,3-Dichloropropane	ND	0.50	µg/L							
2,2-Dichloropropane	ND	0.50	µg/L							
1,1-Dichloropropene	ND	0.50	µg/L							
cis-1,3-Dichloropropene	ND	0.50	µg/L							
trans-1,3-Dichloropropene	ND	0.50	µg/L							
Ethylbenzene	ND	0.50	µg/L							
Hexachlorobutadiene	ND	0.60	µg/L							
2-Hexanone (MBK)	ND	5.0	µg/L							
Isopropylbenzene (Cumene)	ND	0.50	µg/L							
p-Isopropyltoluene (p-Cymene)	ND	0.50	µg/L							
Methyl tert-Butyl Ether (MTBE)	ND	0.50	µg/L							
Methylene Chloride	ND	5.0	µg/L							
4-Methyl-2-pentanone (MIBK)	ND	5.0	µg/L							
Naphthalene	ND	2.0	µg/L							
n-Propylbenzene	ND	1.0	µg/L							
Styrene	ND	1.0	µg/L							
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L							
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L							
Tetrachloroethylene	ND	1.0	µg/L							
Tetrahydrofuran	ND	10	µg/L							
Toluene	ND	1.0	µg/L							
1,2,3-Trichlorobenzene	ND	1.0	µg/L							
1,2,4-Trichlorobenzene	ND	1.0	µg/L							
1,1,1-Trichloroethane	ND	0.50	µg/L							
1,1,2-Trichloroethane	ND	0.50	µg/L							
Trichloroethylene	ND	1.0	µg/L							
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L							
1,2,3-Trichloropropane	ND	0.50	µg/L							
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	µg/L							
1,2,4-Trimethylbenzene	ND	0.50	µg/L							
1,3,5-Trimethylbenzene	ND	0.50	µg/L							
Vinyl Chloride	ND	1.0	µg/L							
m+p Xylene	ND	2.0	µg/L							

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes
Batch B185190 - SW-846 5030B											
Blank (B185190-BLK1)				Prepared: 08/30/17 Analyzed: 08/31/17							
o-Xylene	ND	1.0	µg/L								
Xylenes (total)	ND	3.0	µg/L								
Surrogate: 1,2-Dichloroethane-d4	*26.5*		µg/L	25.0		106		70-130			
Surrogate: Toluene-d8	*25.5*		µg/L	25.0		102		70-130			
Surrogate: 4-Bromofluorobenzene	*23.2*		µg/L	25.0		92.6		70-130			
LCS (B185190-BS1)				Prepared: 08/30/17 Analyzed: 08/31/17							
Acetone	103	10	µg/L	100		103		70-130			
Acrylonitrile	9.91	2.0	µg/L	10.0		99.1		70-130			
Benzene	11.4	0.50	µg/L	10.0		114		70-130			
Bromobenzene	9.98	0.50	µg/L	10.0		99.8		70-130			
Bromodichloromethane	10.3	0.50	µg/L	10.0		103		70-130			
Bromoform	8.79	0.50	µg/L	10.0		87.9		70-130			
Bromomethane	11.8	2.0	µg/L	10.0		118		70-130			
2-Butanone (MEK)	109	5.0	µg/L	100		109		70-130			
n-Butylbenzene	11.2	1.0	µg/L	10.0		112		70-130			
sec-Butylbenzene	10.8	1.0	µg/L	10.0		108		70-130			
tert-Butylbenzene	10.9	1.0	µg/L	10.0		109		70-130			
Carbon Disulfide	111	5.0	µg/L	100		111		70-130			
Carbon Tetrachloride	10.3	0.50	µg/L	10.0		103		70-130			
Chlorobenzene	9.88	0.50	µg/L	10.0		98.8		70-130			
Chlorodibromomethane	10.5	0.50	µg/L	10.0		105		70-130			
Chloroethane	11.2	0.50	µg/L	10.0		112		70-130			
Chloroform	10.4	0.50	µg/L	10.0		104		70-130			
Chloromethane	16.2	2.0	µg/L	10.0		**162**	*	70-130			L-01, V-20
2-Chlorotoluene	8.68	0.50	µg/L	10.0		86.8		70-130			
4-Chlorotoluene	9.48	0.50	µg/L	10.0		94.8		70-130			
1,2-Dibromo-3-chloropropane (DBCP)	10.8	2.0	µg/L	10.0		108		70-130			
1,2-Dibromoethane (EDB)	10.0	0.50	µg/L	10.0		100		70-130			
Dibromomethane	10.0	0.50	µg/L	10.0		100		70-130			
1,2-Dichlorobenzene	10.6	0.50	µg/L	10.0		106		70-130			
1,3-Dichlorobenzene	10.3	0.50	µg/L	10.0		103		70-130			
1,4-Dichlorobenzene	9.71	0.50	µg/L	10.0		97.1		70-130			
trans-1,4-Dichloro-2-butene	11.1	2.0	µg/L	10.0		111		70-130			
Dichlorodifluoromethane (Freon 12)	8.05	0.50	µg/L	10.0		80.5		70-130			
1,1-Dichloroethane	11.4	0.50	µg/L	10.0		114		70-130			
1,2-Dichloroethane	10.2	2.0	µg/L	10.0		102		70-130			
1,1-Dichloroethylene	10.4	0.50	µg/L	10.0		104		70-130			
cis-1,2-Dichloroethylene	10.9	0.50	µg/L	10.0		109		70-130			
trans-1,2-Dichloroethylene	11.1	1.0	µg/L	10.0		111		70-130			
1,2-Dichloropropane	10.3	0.50	µg/L	10.0		103		70-130			
1,3-Dichloropropane	10.3	0.50	µg/L	10.0		103		70-130			
2,2-Dichloropropane	8.43	0.50	µg/L	10.0		84.3		70-130			
1,1-Dichloropropene	11.0	0.50	µg/L	10.0		110		70-130			
cis-1,3-Dichloropropene	9.39	0.50	µg/L	10.0		93.9		70-130			
trans-1,3-Dichloropropene	9.02	0.50	µg/L	10.0		90.2		70-130			
Ethylbenzene	11.0	0.50	µg/L	10.0		110		70-130			
Hexachlorobutadiene	11.4	0.60	µg/L	10.0		114		70-130			
2-Hexanone (MBK)	113	5.0	µg/L	100		113		70-130			
Isopropylbenzene (Cumene)	10.0	0.50	µg/L	10.0		100		70-130			
p-Isopropyltoluene (p-Cymene)	11.1	0.50	µg/L	10.0		111		70-130			
Methyl tert-Butyl Ether (MTBE)	10.8	0.50	µg/L	10.0		108		70-130			

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B185190 - SW-846 5030B										
LCS (B185190-BS1)				Prepared: 08/30/17 Analyzed: 08/31/17						
Methylene Chloride	10.4	5.0	µg/L	10.0		104	70-130			
4-Methyl-2-pentanone (MIBK)	108	5.0	µg/L	100		108	70-130			
Naphthalene	10.1	2.0	µg/L	10.0		101	70-130			
n-Propylbenzene	10.3	1.0	µg/L	10.0		103	70-130			
Styrene	9.65	1.0	µg/L	10.0		96.5	70-130			
1,1,1,2-Tetrachloroethane	9.35	0.50	µg/L	10.0		93.5	70-130			
1,1,2,2-Tetrachloroethane	9.97	0.50	µg/L	10.0		99.7	70-130			
Tetrachloroethylene	10.6	1.0	µg/L	10.0		106	70-130			
Tetrahydrofuran	10.1	10	µg/L	10.0		101	70-130			
Toluene	11.1	1.0	µg/L	10.0		111	70-130			
1,2,3-Trichlorobenzene	10.1	1.0	µg/L	10.0		101	70-130			
1,2,4-Trichlorobenzene	10.2	1.0	µg/L	10.0		102	70-130			
1,1,1-Trichloroethane	10.6	0.50	µg/L	10.0		106	70-130			
1,1,2-Trichloroethane	10.1	0.50	µg/L	10.0		101	70-130			
Trichloroethylene	10.6	1.0	µg/L	10.0		106	70-130			
Trichlorofluoromethane (Freon 11)	9.99	2.0	µg/L	10.0		99.9	70-130			
1,2,3-Trichloropropane	10.4	0.50	µg/L	10.0		104	70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.1	0.50	µg/L	10.0		101	70-130			
1,2,4-Trimethylbenzene	11.7	0.50	µg/L	10.0		117	70-130			
1,3,5-Trimethylbenzene	10.2	0.50	µg/L	10.0		102	70-130			
Vinyl Chloride	10.7	1.0	µg/L	10.0		107	70-130			
m+p Xylene	22.0	2.0	µg/L	20.0		110	70-130			
o-Xylene	10.7	1.0	µg/L	10.0		107	70-130			
Surrogate: 1,2-Dichloroethane-d4	*27.3*		µg/L	25.0		109	70-130			
Surrogate: Toluene-d8	*25.6*		µg/L	25.0		103	70-130			
Surrogate: 4-Bromofluorobenzene	*24.0*		µg/L	25.0		96.1	70-130			

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B185269 - SW-846 3510C										
Blank (B185269-BLK1)				Prepared: 08/31/17 Analyzed: 09/05/17						
Aniline	ND	5.0	µg/L							
Bis(2-chloroethoxy)methane	ND	10	µg/L							
Bis(2-chloroethyl)ether	ND	10	µg/L							
Bis(2-chloroisopropyl)ether	ND	10	µg/L							
Bis(2-Ethylhexyl)phthalate	ND	5.0	µg/L							
4-Bromophenylphenylether	ND	10	µg/L							
Butylbenzylphthalate	ND	10	µg/L							
Carbazole	ND	10	µg/L							
4-Chloroaniline	ND	10	µg/L							
4-Chloro-3-methylphenol	ND	10	µg/L							
2-Chloronaphthalene	ND	10	µg/L							
2-Chlorophenol	ND	10	µg/L							
4-Chlorophenylphenylether	ND	10	µg/L							
Dibenzofuran	ND	5.0	µg/L							
Di-n-butylphthalate	ND	10	µg/L							
3,3-Dichlorobenzidine	ND	10	µg/L							
2,4-Dichlorophenol	ND	10	µg/L							
Diethylphthalate	ND	10	µg/L							
2,4-Dimethylphenol	ND	10	µg/L							
Dimethylphthalate	ND	10	µg/L							
4,6-Dinitro-2-methylphenol	ND	10	µg/L							
2,4-Dinitrophenol	ND	10	µg/L							
2,4-Dinitrotoluene	ND	10	µg/L							
2,6-Dinitrotoluene	ND	10	µg/L							
Di-n-octylphthalate	ND	10	µg/L							
Hexachlorobenzene	ND	5.0	µg/L							
Hexachlorobutadiene	ND	10	µg/L							
Hexachlorocyclopentadiene	ND	10	µg/L							V-05
Hexachloroethane	ND	2.0	µg/L							
Isophorone	ND	10	µg/L							
2-Methylphenol	ND	10	µg/L							
3/4-Methylphenol	ND	10	µg/L							
2-Nitroaniline	ND	10	µg/L							
3-Nitroaniline	ND	10	µg/L							
4-Nitroaniline	ND	10	µg/L							
Nitrobenzene	ND	10	µg/L							
2-Nitrophenol	ND	10	µg/L							
4-Nitrophenol	ND	10	µg/L							
N-Nitrosodiphenylamine	ND	10	µg/L							
N-Nitrosodi-n-propylamine	ND	10	µg/L							
Pentachloronitrobenzene	ND	10	µg/L							V-16
Pentachlorophenol	ND	5.0	µg/L							
Phenol	ND	10	µg/L							
Pyridine	ND	5.0	µg/L							
1,2,4,5-Tetrachlorobenzene	ND	10	µg/L							
1,2,4-Trichlorobenzene	ND	5.0	µg/L							
2,4,5-Trichlorophenol	ND	10	µg/L							
2,4,6-Trichlorophenol	ND	10	µg/L							
Surrogate: 2-Fluorophenol	*189*		µg/L	200		94.6	15-110			
Surrogate: Phenol-d6	*177*		µg/L	200		88.6	15-110			
Surrogate: Nitrobenzene-d5	*107*		µg/L	100		107	30-130			
Surrogate: 2-Fluorobiphenyl	*97.6*		µg/L	100		97.6	30-130			

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes	
Batch B185269 - SW-846 3510C												
Blank (B185269-BLK1)				Prepared: 08/31/17 Analyzed: 09/05/17								
Surrogate: 2,4,6-Tribromophenol	*231*		µg/L	200		**116**	*	15-110			S-07	
Surrogate: p-Terphenyl-d14	*114*		µg/L	100		114		30-130				
LCS (B185269-BS1)				Prepared: 08/31/17 Analyzed: 09/05/17								
Aniline	42.7	5.0	µg/L	100		42.7		40-140				†
Bis(2-chloroethoxy)methane	68.4	10	µg/L	100		68.4		40-140				
Bis(2-chloroethyl)ether	72.5	10	µg/L	100		72.5		40-140				
Bis(2-chloroisopropyl)ether	59.0	10	µg/L	100		59.0		40-140				
Bis(2-Ethylhexyl)phthalate	82.3	10	µg/L	100		82.3		40-140				
4-Bromophenylphenylether	80.0	10	µg/L	100		80.0		40-140				
Butylbenzylphthalate	78.9	10	µg/L	100		78.9		40-140				
Carbazole	78.7	10	µg/L	100		78.7		40-140				
4-Chloroaniline	69.7	10	µg/L	100		69.7		40-140				†
4-Chloro-3-methylphenol	85.6	10	µg/L	100		85.6		30-130				
2-Chloronaphthalene	60.6	10	µg/L	100		60.6		40-140				
2-Chlorophenol	60.9	10	µg/L	100		60.9		30-130				
4-Chlorophenylphenylether	78.2	10	µg/L	100		78.2		40-140				
Dibenzofuran	73.8	5.0	µg/L	100		73.8		40-140				
Di-n-butylphthalate	82.0	10	µg/L	100		82.0		40-140				
3,3-Dichlorobenzidine	82.1	10	µg/L	100		82.1		40-140				†
2,4-Dichlorophenol	75.6	10	µg/L	100		75.6		30-130				
Diethylphthalate	81.5	10	µg/L	100		81.5		40-140				
2,4-Dimethylphenol	74.6	10	µg/L	100		74.6		30-130				
Dimethylphthalate	78.4	10	µg/L	100		78.4		40-140				
4,6-Dinitro-2-methylphenol	81.2	10	µg/L	100		81.2		30-130				
2,4-Dinitrophenol	68.3	10	µg/L	100		68.3		30-130				
2,4-Dinitrotoluene	75.4	10	µg/L	100		75.4		40-140				
2,6-Dinitrotoluene	78.5	10	µg/L	100		78.5		40-140				
Di-n-octylphthalate	76.6	10	µg/L	100		76.6		40-140				
Hexachlorobenzene	79.2	10	µg/L	100		79.2		40-140				
Hexachlorobutadiene	73.8	10	µg/L	100		73.8		40-140				
Hexachlorocyclopentadiene	39.3	10	µg/L	100		39.3		30-140			V-05	
Hexachloroethane	59.3	10	µg/L	100		59.3		40-140				
Isophorone	75.3	10	µg/L	100		75.3		40-140				
2-Methylphenol	51.6	10	µg/L	100		51.6		30-130				
3/4-Methylphenol	55.0	10	µg/L	100		55.0		30-130				
2-Nitroaniline	79.2	10	µg/L	100		79.2		40-140				
3-Nitroaniline	61.9	10	µg/L	100		61.9		40-140				†
4-Nitroaniline	70.0	10	µg/L	100		70.0		40-140				
Nitrobenzene	67.3	10	µg/L	100		67.3		40-140				
2-Nitrophenol	65.4	10	µg/L	100		65.4		30-130				
4-Nitrophenol	35.2	10	µg/L	100		35.2		10-130				
N-Nitrosodiphenylamine	98.2	10	µg/L	100		98.2		40-140				
N-Nitrosodi-n-propylamine	68.3	10	µg/L	100		68.3		40-140				
Pentachloronitrobenzene	88.6	10	µg/L	100		88.6		40-140			V-16	
Pentachlorophenol	61.2	10	µg/L	100		61.2		30-130				
Phenol	29.0	10	µg/L	100		29.0		20-130				
Pyridine	29.1	5.0	µg/L	100		29.1		10-140				†
1,2,4,5-Tetrachlorobenzene	71.2	10	µg/L	100		71.2		40-140				
1,2,4-Trichlorobenzene	65.9	5.0	µg/L	100		65.9		40-140				
2,4,5-Trichlorophenol	69.2	10	µg/L	100		69.2		30-130				
2,4,6-Trichlorophenol	76.2	10	µg/L	100		76.2		30-130				

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes	
Batch B185269 - SW-846 3510C											
LCS (B185269-BS1)				Prepared: 08/31/17 Analyzed: 09/05/17							
Surrogate: 2-Fluorophenol	*82.6*		µg/L	200		41.3	15-110				
Surrogate: Phenol-d6	*62.5*		µg/L	200		31.2	15-110				
Surrogate: Nitrobenzene-d5	*76.0*		µg/L	100		76.0	30-130				
Surrogate: 2-Fluorobiphenyl	*73.8*		µg/L	100		73.8	30-130				
Surrogate: 2,4,6-Tribromophenol	*185*		µg/L	200		92.6	15-110				
Surrogate: p-Terphenyl-d14	*89.2*		µg/L	100		89.2	30-130				
LCS Dup (B185269-BSD1)				Prepared: 08/31/17 Analyzed: 09/05/17							
Aniline	44.8	5.0	µg/L	100		44.8	40-140	4.75	50		† ‡
Bis(2-chloroethoxy)methane	71.1	10	µg/L	100		71.1	40-140	3.88	20		
Bis(2-chloroethyl)ether	68.4	10	µg/L	100		68.4	40-140	5.79	20		
Bis(2-chloroisopropyl)ether	60.9	10	µg/L	100		60.9	40-140	3.29	20		
Bis(2-Ethylhexyl)phthalate	88.4	10	µg/L	100		88.4	40-140	7.14	20		
4-Bromophenylphenylether	83.3	10	µg/L	100		83.3	40-140	4.05	20		
Butylbenzylphthalate	83.1	10	µg/L	100		83.1	40-140	5.26	20		
Carbazole	84.5	10	µg/L	100		84.5	40-140	7.12	20		
4-Chloroaniline	69.6	10	µg/L	100		69.6	40-140	0.201	20		†
4-Chloro-3-methylphenol	88.5	10	µg/L	100		88.5	30-130	3.24	20		
2-Chloronaphthalene	59.1	10	µg/L	100		59.1	40-140	2.47	20		
2-Chlorophenol	57.4	10	µg/L	100		57.4	30-130	5.94	20		
4-Chlorophenylphenylether	82.0	10	µg/L	100		82.0	40-140	4.87	20		
Dibenzofuran	78.2	5.0	µg/L	100		78.2	40-140	5.75	20		
Di-n-butylphthalate	89.4	10	µg/L	100		89.4	40-140	8.68	20		
3,3-Dichlorobenzidine	84.4	10	µg/L	100		84.4	40-140	2.76	20		† ‡
2,4-Dichlorophenol	77.5	10	µg/L	100		77.5	30-130	2.51	20		
Diethylphthalate	87.2	10	µg/L	100		87.2	40-140	6.80	20		
2,4-Dimethylphenol	76.0	10	µg/L	100		76.0	30-130	1.93	20		
Dimethylphthalate	80.2	10	µg/L	100		80.2	40-140	2.28	50		
4,6-Dinitro-2-methylphenol	86.4	10	µg/L	100		86.4	30-130	6.21	50		
2,4-Dinitrophenol	68.5	10	µg/L	100		68.5	30-130	0.321	50		
2,4-Dinitrotoluene	80.0	10	µg/L	100		80.0	40-140	5.83	20		
2,6-Dinitrotoluene	82.2	10	µg/L	100		82.2	40-140	4.68	20		
Di-n-octylphthalate	80.8	10	µg/L	100		80.8	40-140	5.25	20		
Hexachlorobenzene	82.9	10	µg/L	100		82.9	40-140	4.63	20		
Hexachlorobutadiene	74.7	10	µg/L	100		74.7	40-140	1.15	20		
Hexachlorocyclopentadiene	41.6	10	µg/L	100		41.6	30-140	5.73	50	V-05	
Hexachloroethane	58.9	10	µg/L	100		58.9	40-140	0.660	50		
Isophorone	79.7	10	µg/L	100		79.7	40-140	5.76	20		
2-Methylphenol	51.6	10	µg/L	100		51.6	30-130	0.0775	20		
3/4-Methylphenol	55.1	10	µg/L	100		55.1	30-130	0.163	20		
2-Nitroaniline	83.9	10	µg/L	100		83.9	40-140	5.74	20		
3-Nitroaniline	62.4	10	µg/L	100		62.4	40-140	0.820	20		†
4-Nitroaniline	77.5	10	µg/L	100		77.5	40-140	10.2	20		
Nitrobenzene	70.9	10	µg/L	100		70.9	40-140	5.19	20		
2-Nitrophenol	67.8	10	µg/L	100		67.8	30-130	3.56	20		
4-Nitrophenol	40.3	10	µg/L	100		40.3	10-130	13.6	50		‡
N-Nitrosodiphenylamine	104	10	µg/L	100		104	40-140	5.79	20		
N-Nitrosodi-n-propylamine	69.8	10	µg/L	100		69.8	40-140	2.24	20		
Pentachloronitrobenzene	96.2	10	µg/L	100		96.2	40-140	8.22	20	V-16	
Pentachlorophenol	62.9	10	µg/L	100		62.9	30-130	2.69	50		
Phenol	26.2	10	µg/L	100		26.2	20-130	10.1	20		
Pyridine	28.5	5.0	µg/L	100		28.5	10-140	2.22	50		†

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B185269 - SW-846 3510C										
LCS Dup (B185269-BSD1)				Prepared: 08/31/17 Analyzed: 09/05/17						
1,2,4,5-Tetrachlorobenzene	73.9	10	µg/L	100		73.9	40-140	3.79	20	
1,2,4-Trichlorobenzene	65.3	5.0	µg/L	100		65.3	40-140	1.02	20	
2,4,5-Trichlorophenol	75.0	10	µg/L	100		75.0	30-130	8.02	20	
2,4,6-Trichlorophenol	78.2	10	µg/L	100		78.2	30-130	2.58	50	
Surrogate: 2-Fluorophenol	*77.5*		µg/L	200		38.7	15-110			
Surrogate: Phenol-d6	*60.4*		µg/L	200		30.2	15-110			
Surrogate: Nitrobenzene-d5	*81.1*		µg/L	100		81.1	30-130			
Surrogate: 2-Fluorobiphenyl	*77.7*		µg/L	100		77.7	30-130			
Surrogate: 2,4,6-Tribromophenol	*198*		µg/L	200		99.0	15-110			
Surrogate: p-Terphenyl-d14	*93.0*		µg/L	100		93.0	30-130			
Batch B185320 - SW-846 3546										
Blank (B185320-BLK1)				Prepared: 08/31/17 Analyzed: 09/05/17						
Acenaphthene	ND	0.17	mg/Kg wet							
Acenaphthylene	ND	0.17	mg/Kg wet							
Aniline	ND	0.34	mg/Kg wet							
Anthracene	ND	0.17	mg/Kg wet							
Benzo(a)anthracene	ND	0.17	mg/Kg wet							
Benzo(a)pyrene	ND	0.17	mg/Kg wet							
Benzo(b)fluoranthene	ND	0.17	mg/Kg wet							
Benzo(g,h,i)perylene	ND	0.17	mg/Kg wet							
Benzo(k)fluoranthene	ND	0.17	mg/Kg wet							
Bis(2-chloroethoxy)methane	ND	0.34	mg/Kg wet							
Bis(2-chloroethyl)ether	ND	0.34	mg/Kg wet							
Bis(2-chloroisopropyl)ether	ND	0.34	mg/Kg wet							
Bis(2-Ethylhexyl)phthalate	ND	0.34	mg/Kg wet							
4-Bromophenylphenylether	ND	0.34	mg/Kg wet							
Butylbenzylphthalate	ND	0.34	mg/Kg wet							
Carbazole	ND	0.17	mg/Kg wet							
4-Chloroaniline	ND	0.66	mg/Kg wet							
4-Chloro-3-methylphenol	ND	0.66	mg/Kg wet							
2-Chloronaphthalene	ND	0.34	mg/Kg wet							
2-Chlorophenol	ND	0.34	mg/Kg wet							
4-Chlorophenylphenylether	ND	0.34	mg/Kg wet							
Chrysene	ND	0.17	mg/Kg wet							
Dibenz(a,h)anthracene	ND	0.17	mg/Kg wet							
Dibenzofuran	ND	0.34	mg/Kg wet							
Di-n-butylphthalate	ND	0.34	mg/Kg wet							
3,3-Dichlorobenzidine	ND	0.17	mg/Kg wet							
2,4-Dichlorophenol	ND	0.34	mg/Kg wet							
Diethylphthalate	ND	0.34	mg/Kg wet							
2,4-Dimethylphenol	ND	0.34	mg/Kg wet							
Dimethylphthalate	ND	0.34	mg/Kg wet							
4,6-Dinitro-2-methylphenol	ND	0.34	mg/Kg wet							
2,4-Dinitrophenol	ND	0.66	mg/Kg wet							
2,4-Dinitrotoluene	ND	0.34	mg/Kg wet							
2,6-Dinitrotoluene	ND	0.34	mg/Kg wet							
Di-n-octylphthalate	ND	0.34	mg/Kg wet							
Fluoranthene	ND	0.17	mg/Kg wet							
Fluorene	ND	0.17	mg/Kg wet							
Hexachlorobenzene	ND	0.34	mg/Kg wet							
Hexachlorobutadiene	ND	0.34	mg/Kg wet							

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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 B185320 - SW-846 3546										
Blank (B185320-BLK1)				Prepared: 08/31/17 Analyzed: 09/05/17						
Hexachlorocyclopentadiene	ND	0.34	mg/Kg wet							
Hexachloroethane	ND	0.34	mg/Kg wet							
Indeno(1,2,3-cd)pyrene	ND	0.17	mg/Kg wet							
Isophorone	ND	0.34	mg/Kg wet							
2-Methylnaphthalene	ND	0.17	mg/Kg wet							
2-Methylphenol	ND	0.34	mg/Kg wet							
3/4-Methylphenol	ND	0.34	mg/Kg wet							
Naphthalene	ND	0.17	mg/Kg wet							
2-Nitroaniline	ND	0.34	mg/Kg wet							
3-Nitroaniline	ND	0.34	mg/Kg wet							
4-Nitroaniline	ND	0.34	mg/Kg wet							
Nitrobenzene	ND	0.34	mg/Kg wet							
2-Nitrophenol	ND	0.34	mg/Kg wet							
4-Nitrophenol	ND	0.66	mg/Kg wet							V-20
N-Nitrosodiphenylamine	ND	0.34	mg/Kg wet							
N-Nitrosodi-n-propylamine	ND	0.34	mg/Kg wet							
Pentachloronitrobenzene	ND	0.34	mg/Kg wet							V-16
Pentachlorophenol	ND	0.34	mg/Kg wet							
Phenanthrene	ND	0.17	mg/Kg wet							
Phenol	ND	0.34	mg/Kg wet							
Pyrene	ND	0.17	mg/Kg wet							
Pyridine	ND	0.34	mg/Kg wet							
1,2,4,5-Tetrachlorobenzene	ND	0.34	mg/Kg wet							
1,2,4-Trichlorobenzene	ND	0.34	mg/Kg wet							
2,4,5-Trichlorophenol	ND	0.34	mg/Kg wet							
2,4,6-Trichlorophenol	ND	0.34	mg/Kg wet							
Surrogate: 2-Fluorophenol	*3.04*		mg/Kg wet	6.67		45.5	30-130			
Surrogate: Phenol-d6	*3.41*		mg/Kg wet	6.67		51.2	30-130			
Surrogate: Nitrobenzene-d5	*1.61*		mg/Kg wet	3.33		48.2	30-130			
Surrogate: 2-Fluorobiphenyl	*1.89*		mg/Kg wet	3.33		56.6	30-130			
Surrogate: 2,4,6-Tribromophenol	*6.40*		mg/Kg wet	6.67		96.0	30-130			
Surrogate: p-Terphenyl-d14	*3.17*		mg/Kg wet	3.33		95.1	30-130			
LCS (B185320-BS1)				Prepared: 08/31/17 Analyzed: 09/05/17						
Acenaphthene	1.12	0.17	mg/Kg wet	1.67		67.4	40-140			
Acenaphthylene	1.06	0.17	mg/Kg wet	1.67		63.8	40-140			
Aniline	0.740	0.34	mg/Kg wet	1.67		44.4	40-140			†
Anthracene	1.20	0.17	mg/Kg wet	1.67		72.1	40-140			
Benzo(a)anthracene	1.25	0.17	mg/Kg wet	1.67		75.3	40-140			
Benzo(a)pyrene	1.25	0.17	mg/Kg wet	1.67		75.0	40-140			
Benzo(b)fluoranthene	1.18	0.17	mg/Kg wet	1.67		70.5	40-140			
Benzo(g,h,i)perylene	1.33	0.17	mg/Kg wet	1.67		79.9	40-140			
Benzo(k)fluoranthene	1.23	0.17	mg/Kg wet	1.67		74.1	40-140			
Bis(2-chloroethoxy)methane	1.19	0.34	mg/Kg wet	1.67		71.2	40-140			
Bis(2-chloroethyl)ether	0.963	0.34	mg/Kg wet	1.67		57.8	40-140			
Bis(2-chloroisopropyl)ether	1.04	0.34	mg/Kg wet	1.67		62.2	40-140			
Bis(2-Ethylhexyl)phthalate	1.25	0.34	mg/Kg wet	1.67		75.0	40-140			
4-Bromophenylphenylether	1.41	0.34	mg/Kg wet	1.67		84.7	40-140			
Butylbenzylphthalate	1.31	0.34	mg/Kg wet	1.67		78.4	40-140			
Carbazole	1.22	0.17	mg/Kg wet	1.67		73.1	40-140			
4-Chloroaniline	0.784	0.66	mg/Kg wet	1.67		47.0	40-140			†
4-Chloro-3-methylphenol	1.30	0.66	mg/Kg wet	1.67		78.2	30-130			

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes	
Batch B185320 - SW-846 3546											
LCS (B185320-BS1)				Prepared: 08/31/17 Analyzed: 09/05/17							
2-Chloronaphthalene	1.12	0.34	mg/Kg wet	1.67		67.2	40-140				
2-Chlorophenol	1.00	0.34	mg/Kg wet	1.67		60.2	30-130				
4-Chlorophenylphenylether	1.28	0.34	mg/Kg wet	1.67		76.9	40-140				
Chrysene	1.21	0.17	mg/Kg wet	1.67		72.3	40-140				
Dibenz(a,h)anthracene	1.28	0.17	mg/Kg wet	1.67		76.9	40-140				
Dibenzofuran	1.20	0.34	mg/Kg wet	1.67		72.0	40-140				
Di-n-butylphthalate	1.30	0.34	mg/Kg wet	1.67		78.0	40-140				
3,3-Dichlorobenzidine	1.25	0.17	mg/Kg wet	1.67		75.2	40-140				†
2,4-Dichlorophenol	1.23	0.34	mg/Kg wet	1.67		73.9	30-130				
Diethylphthalate	1.32	0.34	mg/Kg wet	1.67		79.5	40-140				
2,4-Dimethylphenol	1.06	0.34	mg/Kg wet	1.67		63.6	30-130				
Dimethylphthalate	1.30	0.34	mg/Kg wet	1.67		78.2	40-140				
4,6-Dinitro-2-methylphenol	1.23	0.34	mg/Kg wet	1.67		73.7	30-130				
2,4-Dinitrophenol	1.14	0.66	mg/Kg wet	1.67		68.6	30-130				
2,4-Dinitrotoluene	1.38	0.34	mg/Kg wet	1.67		82.9	40-140				
2,6-Dinitrotoluene	1.39	0.34	mg/Kg wet	1.67		83.4	40-140				
Di-n-octylphthalate	1.16	0.34	mg/Kg wet	1.67		69.8	40-140				
Fluoranthene	1.24	0.17	mg/Kg wet	1.67		74.4	40-140				
Fluorene	1.15	0.17	mg/Kg wet	1.67		69.1	40-140				
Hexachlorobenzene	1.47	0.34	mg/Kg wet	1.67		88.1	40-140				
Hexachlorobutadiene	0.979	0.34	mg/Kg wet	1.67		58.8	40-140				
Hexachlorocyclopentadiene	0.854	0.34	mg/Kg wet	1.67		51.2	30-140				
Hexachloroethane	0.836	0.34	mg/Kg wet	1.67		50.2	40-140				
Indeno(1,2,3-cd)pyrene	1.31	0.17	mg/Kg wet	1.67		78.6	40-140				
Isophorone	1.19	0.34	mg/Kg wet	1.67		71.2	40-140				
2-Methylnaphthalene	1.11	0.17	mg/Kg wet	1.67		66.7	40-140				
2-Methylphenol	1.02	0.34	mg/Kg wet	1.67		61.0	30-130				
3/4-Methylphenol	1.14	0.34	mg/Kg wet	1.67		68.5	30-130				
Naphthalene	0.940	0.17	mg/Kg wet	1.67		56.4	40-140				
2-Nitroaniline	1.40	0.34	mg/Kg wet	1.67		83.8	40-140				
3-Nitroaniline	1.11	0.34	mg/Kg wet	1.67		66.8	40-140				†
4-Nitroaniline	1.26	0.34	mg/Kg wet	1.67		75.4	40-140				
Nitrobenzene	1.10	0.34	mg/Kg wet	1.67		65.9	40-140				
2-Nitrophenol	1.04	0.34	mg/Kg wet	1.67		62.3	30-130				
4-Nitrophenol	1.74	0.66	mg/Kg wet	1.67		104	10-130			V-20	
N-Nitrosodiphenylamine	1.62	0.34	mg/Kg wet	1.67		97.1	40-140				
N-Nitrosodi-n-propylamine	1.09	0.34	mg/Kg wet	1.67		65.6	40-140				
Pentachloronitrobenzene	1.48	0.34	mg/Kg wet	1.67		88.6	40-140			V-16	
Pentachlorophenol	1.18	0.34	mg/Kg wet	1.67		70.6	30-130				
Phenanthrene	1.24	0.17	mg/Kg wet	1.67		74.4	40-140				
Phenol	1.14	0.34	mg/Kg wet	1.67		68.3	20-130				
Pyrene	1.26	0.17	mg/Kg wet	1.67		75.4	40-140				
Pyridine	0.543	0.34	mg/Kg wet	1.67		32.6	10-140				†
1,2,4,5-Tetrachlorobenzene	1.08	0.34	mg/Kg wet	1.67		65.1	40-140				
1,2,4-Trichlorobenzene	1.03	0.34	mg/Kg wet	1.67		62.0	40-140				
2,4,5-Trichlorophenol	1.28	0.34	mg/Kg wet	1.67		76.7	30-130				
2,4,6-Trichlorophenol	1.26	0.34	mg/Kg wet	1.67		75.9	30-130				
Surrogate: 2-Fluorophenol	*4.16*		mg/Kg wet	6.67		62.4	30-130				
Surrogate: Phenol-d6	*4.79*		mg/Kg wet	6.67		71.8	30-130				
Surrogate: Nitrobenzene-d5	*2.17*		mg/Kg wet	3.33		65.2	30-130				
Surrogate: 2-Fluorobiphenyl	*2.50*		mg/Kg wet	3.33		75.0	30-130				
Surrogate: 2,4,6-Tribromophenol	*7.02*		mg/Kg wet	6.67		105	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 B185320 - SW-846 3546										
LCS (B185320-BS1)				Prepared: 08/31/17 Analyzed: 09/05/17						
Surrogate: p-Terphenyl-d14	*2.96*		mg/Kg wet	3.33		88.8	30-130			
LCS Dup (B185320-BSD1)				Prepared: 08/31/17 Analyzed: 09/05/17						
Acenaphthene	1.04	0.17	mg/Kg wet	1.67		62.6	40-140	7.36	30	
Acenaphthylene	1.02	0.17	mg/Kg wet	1.67		61.0	40-140	4.58	30	
Aniline	0.701	0.34	mg/Kg wet	1.67		42.0	40-140	5.46	50	† ‡
Anthracene	1.18	0.17	mg/Kg wet	1.67		70.6	40-140	2.16	30	
Benzo(a)anthracene	1.23	0.17	mg/Kg wet	1.67		73.8	40-140	1.90	30	
Benzo(a)pyrene	1.22	0.17	mg/Kg wet	1.67		73.2	40-140	2.35	30	
Benzo(b)fluoranthene	1.16	0.17	mg/Kg wet	1.67		69.4	40-140	1.57	30	
Benzo(g,h,i)perylene	1.31	0.17	mg/Kg wet	1.67		78.4	40-140	1.85	30	
Benzo(k)fluoranthene	1.19	0.17	mg/Kg wet	1.67		71.2	40-140	3.97	30	
Bis(2-chloroethoxy)methane	1.21	0.34	mg/Kg wet	1.67		72.6	40-140	1.92	30	
Bis(2-chloroethyl)ether	0.930	0.34	mg/Kg wet	1.67		55.8	40-140	3.49	30	
Bis(2-chloroisopropyl)ether	1.01	0.34	mg/Kg wet	1.67		60.4	40-140	2.87	30	
Bis(2-Ethylhexyl)phthalate	1.22	0.34	mg/Kg wet	1.67		73.5	40-140	2.10	30	
4-Bromophenylphenylether	1.34	0.34	mg/Kg wet	1.67		80.1	40-140	5.60	30	
Butylbenzylphthalate	1.31	0.34	mg/Kg wet	1.67		78.4	40-140	0.00	30	
Carbazole	1.16	0.17	mg/Kg wet	1.67		69.7	40-140	4.76	30	
4-Chloroaniline	0.740	0.66	mg/Kg wet	1.67		44.4	40-140	5.77	30	†
4-Chloro-3-methylphenol	1.33	0.66	mg/Kg wet	1.67		79.9	30-130	2.10	30	
2-Chloronaphthalene	1.08	0.34	mg/Kg wet	1.67		65.0	40-140	3.42	30	
2-Chlorophenol	0.960	0.34	mg/Kg wet	1.67		57.6	30-130	4.41	30	
4-Chlorophenylphenylether	1.25	0.34	mg/Kg wet	1.67		75.1	40-140	2.45	30	
Chrysene	1.19	0.17	mg/Kg wet	1.67		71.1	40-140	1.67	30	
Dibenz(a,h)anthracene	1.30	0.17	mg/Kg wet	1.67		77.9	40-140	1.40	30	
Dibenzofuran	1.15	0.34	mg/Kg wet	1.67		69.0	40-140	4.26	30	
Di-n-butylphthalate	1.24	0.34	mg/Kg wet	1.67		74.5	40-140	4.67	30	
3,3-Dichlorobenzidine	1.23	0.17	mg/Kg wet	1.67		73.9	40-140	1.69	30	† ‡
2,4-Dichlorophenol	1.23	0.34	mg/Kg wet	1.67		73.5	30-130	0.542	30	
Diethylphthalate	1.26	0.34	mg/Kg wet	1.67		75.6	40-140	5.03	30	
2,4-Dimethylphenol	1.06	0.34	mg/Kg wet	1.67		63.3	30-130	0.378	30	
Dimethylphthalate	1.25	0.34	mg/Kg wet	1.67		75.1	40-140	4.02	50	
4,6-Dinitro-2-methylphenol	1.16	0.34	mg/Kg wet	1.67		69.7	30-130	5.69	50	
2,4-Dinitrophenol	1.01	0.66	mg/Kg wet	1.67		60.7	30-130	12.3	50	
2,4-Dinitrotoluene	1.33	0.34	mg/Kg wet	1.67		79.5	40-140	4.14	30	
2,6-Dinitrotoluene	1.34	0.34	mg/Kg wet	1.67		80.3	40-140	3.79	30	
Di-n-octylphthalate	1.15	0.34	mg/Kg wet	1.67		68.9	40-140	1.24	30	
Fluoranthene	1.16	0.17	mg/Kg wet	1.67		69.9	40-140	6.27	30	
Fluorene	1.11	0.17	mg/Kg wet	1.67		66.9	40-140	3.30	30	
Hexachlorobenzene	1.39	0.34	mg/Kg wet	1.67		83.3	40-140	5.55	30	
Hexachlorobutadiene	0.988	0.34	mg/Kg wet	1.67		59.3	40-140	0.881	30	
Hexachlorocyclopentadiene	0.824	0.34	mg/Kg wet	1.67		49.4	30-140	3.58	50	
Hexachloroethane	0.783	0.34	mg/Kg wet	1.67		47.0	40-140	6.50	50	
Indeno(1,2,3-cd)pyrene	1.27	0.17	mg/Kg wet	1.67		76.3	40-140	3.02	50	
Isophorone	1.20	0.34	mg/Kg wet	1.67		71.9	40-140	1.03	30	
2-Methylnaphthalene	1.10	0.17	mg/Kg wet	1.67		66.2	40-140	0.692	30	
2-Methylphenol	1.00	0.34	mg/Kg wet	1.67		60.2	30-130	1.32	30	
3/4-Methylphenol	1.12	0.34	mg/Kg wet	1.67		67.2	30-130	2.00	30	
Naphthalene	0.943	0.17	mg/Kg wet	1.67		56.6	40-140	0.283	30	
2-Nitroaniline	1.34	0.34	mg/Kg wet	1.67		80.1	40-140	4.54	30	
3-Nitroaniline	1.06	0.34	mg/Kg wet	1.67		63.6	40-140	4.88	30	†

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes	
Batch B185320 - SW-846 3546											
LCS Dup (B185320-BSD1)				Prepared: 08/31/17 Analyzed: 09/05/17							
4-Nitroaniline	1.20	0.34	mg/Kg wet	1.67		71.7	40-140	4.95	30		
Nitrobenzene	1.12	0.34	mg/Kg wet	1.67		67.4	40-140	2.13	30		
2-Nitrophenol	1.03	0.34	mg/Kg wet	1.67		62.1	30-130	0.322	30		
4-Nitrophenol	1.68	0.66	mg/Kg wet	1.67		100	10-130	3.60	50	V-20	‡
N-Nitrosodiphenylamine	1.51	0.34	mg/Kg wet	1.67		90.6	40-140	6.86	30		
N-Nitrosodi-n-propylamine	1.05	0.34	mg/Kg wet	1.67		62.9	40-140	4.30	30		
Pentachloronitrobenzene	1.46	0.34	mg/Kg wet	1.67		87.8	40-140	0.952	30	V-16	
Pentachlorophenol	1.11	0.34	mg/Kg wet	1.67		66.9	30-130	5.36	50		
Phenanthrene	1.20	0.17	mg/Kg wet	1.67		72.1	40-140	3.14	30		
Phenol	1.09	0.34	mg/Kg wet	1.67		65.4	20-130	4.34	30		
Pyrene	1.24	0.17	mg/Kg wet	1.67		74.4	40-140	1.28	30		
Pyridine	0.517	0.34	mg/Kg wet	1.67		31.0	10-140	4.78	50		†
1,2,4,5-Tetrachlorobenzene	1.04	0.34	mg/Kg wet	1.67		62.4	40-140	4.27	30		
1,2,4-Trichlorobenzene	1.00	0.34	mg/Kg wet	1.67		60.1	40-140	3.11	30		
2,4,5-Trichlorophenol	1.25	0.34	mg/Kg wet	1.67		74.7	30-130	2.62	30		
2,4,6-Trichlorophenol	1.23	0.34	mg/Kg wet	1.67		73.7	30-130	2.89	50		
Surrogate: 2-Fluorophenol	*3.94*		mg/Kg wet	6.67		59.1	30-130				
Surrogate: Phenol-d6	*4.56*		mg/Kg wet	6.67		68.4	30-130				
Surrogate: Nitrobenzene-d5	*2.20*		mg/Kg wet	3.33		66.0	30-130				
Surrogate: 2-Fluorobiphenyl	*2.36*		mg/Kg wet	3.33		70.7	30-130				
Surrogate: 2,4,6-Tribromophenol	*6.86*		mg/Kg wet	6.67		103	30-130				
Surrogate: p-Terphenyl-d14	*2.94*		mg/Kg wet	3.33		88.1	30-130				
Batch B185602 - SW-846 3510C											
Blank (B185602-BLK1)				Prepared: 08/31/17 Analyzed: 09/05/17							
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							R-05	
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							R-05	
2-Methylnaphthalene (SIM)	ND	1.0	µg/L							R-05	
Naphthalene (SIM)	ND	1.0	µg/L								
Phenanthrene (SIM)	ND	0.050	µg/L								
Pyrene (SIM)	ND	1.0	µg/L								
Surrogate: Nitrobenzene-d5	*90.2*		µg/L	100		90.2	30-130				
Surrogate: 2-Fluorobiphenyl	*84.7*		µg/L	100		84.7	30-130				
Surrogate: p-Terphenyl-d14	*77.3*		µg/L	100		77.3	30-130				

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes	
Batch B185602 - SW-846 3510C											
LCS (B185602-BS1)				Prepared: 08/31/17 Analyzed: 09/05/17							
Acenaphthene (SIM)	75.3	7.5	µg/L	100		75.3	40-140				
Acenaphthylene (SIM)	73.4	7.5	µg/L	100		73.4	40-140				
Anthracene (SIM)	80.9	5.0	µg/L	100		80.9	40-140				
Benzo(a)anthracene (SIM)	79.7	1.2	µg/L	100		79.7	40-140				
Benzo(a)pyrene (SIM)	85.7	2.5	µg/L	100		85.7	40-140				
Benzo(b)fluoranthene (SIM)	84.8	1.2	µg/L	100		84.8	40-140				
Benzo(g,h,i)perylene (SIM)	83.1	12	µg/L	100		83.1	40-140				
Benzo(k)fluoranthene (SIM)	82.6	5.0	µg/L	100		82.6	40-140				
Chrysene (SIM)	79.1	5.0	µg/L	100		79.1	40-140				
Dibenz(a,h)anthracene (SIM)	83.6	5.0	µg/L	100		83.6	40-140			R-05	
Fluoranthene (SIM)	81.6	12	µg/L	100		81.6	40-140				
Fluorene (SIM)	78.0	25	µg/L	100		78.0	40-140				
Indeno(1,2,3-cd)pyrene (SIM)	83.8	5.0	µg/L	100		83.8	40-140			R-05	
2-Methylnaphthalene (SIM)	68.5	25	µg/L	100		68.5	40-140			R-05	
Naphthalene (SIM)	62.0	25	µg/L	100		62.0	40-140				
Phenanthrene (SIM)	79.4	1.2	µg/L	100		79.4	40-140				
Pyrene (SIM)	78.8	25	µg/L	100		78.8	40-140				
Surrogate: Nitrobenzene-d5	*66.2*		µg/L	100		66.2	30-130				
Surrogate: 2-Fluorobiphenyl	*78.3*		µg/L	100		78.3	30-130				
Surrogate: p-Terphenyl-d14	*66.9*		µg/L	100		66.9	30-130				
LCS Dup (B185602-BSD1)				Prepared: 08/31/17 Analyzed: 09/05/17							
Acenaphthene (SIM)	91.5	7.5	µg/L	100		91.5	40-140	19.4	20		
Acenaphthylene (SIM)	89.5	7.5	µg/L	100		89.5	40-140	19.8	20		
Anthracene (SIM)	98.3	5.0	µg/L	100		98.3	40-140	19.4	20		
Benzo(a)anthracene (SIM)	96.8	1.2	µg/L	100		96.8	40-140	19.4	20		
Benzo(a)pyrene (SIM)	105	2.5	µg/L	100		105	40-140	20.0	20		
Benzo(b)fluoranthene (SIM)	103	1.2	µg/L	100		103	40-140	19.3	20		
Benzo(g,h,i)perylene (SIM)	101	12	µg/L	100		101	40-140	19.6	20		
Benzo(k)fluoranthene (SIM)	100	5.0	µg/L	100		100	40-140	19.5	20		
Chrysene (SIM)	96.0	5.0	µg/L	100		96.0	40-140	19.4	20		
Dibenz(a,h)anthracene (SIM)	102	5.0	µg/L	100		102	40-140	**20.1** *	20	R-05	
Fluoranthene (SIM)	98.0	12	µg/L	100		98.0	40-140	18.2	20		
Fluorene (SIM)	94.1	25	µg/L	100		94.1	40-140	18.8	20		
Indeno(1,2,3-cd)pyrene (SIM)	103	5.0	µg/L	100		103	40-140	**20.3** *	20	R-05	‡
2-Methylnaphthalene (SIM)	84.3	25	µg/L	100		84.3	40-140	**20.7** *	20	R-05	
Naphthalene (SIM)	75.8	25	µg/L	100		75.8	40-140	20.0	20		
Phenanthrene (SIM)	95.9	1.2	µg/L	100		95.9	40-140	18.9	20		
Pyrene (SIM)	95.8	25	µg/L	100		95.8	40-140	19.4	20		
Surrogate: Nitrobenzene-d5	*81.8*		µg/L	100		81.8	30-130				
Surrogate: 2-Fluorobiphenyl	*93.8*		µg/L	100		93.8	30-130				
Surrogate: p-Terphenyl-d14	*79.9*		µg/L	100		79.9	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 B185250 - SW-846 3510C											
Blank (B185250-BLK1)				Prepared: 08/30/17 Analyzed: 09/01/17							
Aroclor-1016	ND	0.20	µg/L								R-05
Aroclor-1016 [2C]	ND	0.20	µg/L								R-05
Aroclor-1221	ND	0.20	µg/L								
Aroclor-1221 [2C]	ND	0.20	µg/L								
Aroclor-1232	ND	0.20	µg/L								
Aroclor-1232 [2C]	ND	0.20	µg/L								
Aroclor-1242	ND	0.20	µg/L								
Aroclor-1242 [2C]	ND	0.20	µg/L								
Aroclor-1248	ND	0.20	µg/L								
Aroclor-1248 [2C]	ND	0.20	µg/L								
Aroclor-1254	ND	0.20	µg/L								
Aroclor-1254 [2C]	ND	0.20	µg/L								
Aroclor-1260	ND	0.20	µg/L								R-05
Aroclor-1260 [2C]	ND	0.20	µg/L								R-05
Aroclor-1262	ND	0.20	µg/L								
Aroclor-1262 [2C]	ND	0.20	µg/L								
Aroclor-1268	ND	0.20	µg/L								
Aroclor-1268 [2C]	ND	0.20	µg/L								
Surrogate: Decachlorobiphenyl	*2.03*		µg/L	2.00		101	30-150				
Surrogate: Decachlorobiphenyl [2C]	*1.76*		µg/L	2.00		88.0	30-150				
Surrogate: Tetrachloro-m-xylene	*1.66*		µg/L	2.00		83.2	30-150				
Surrogate: Tetrachloro-m-xylene [2C]	*1.61*		µg/L	2.00		80.4	30-150				
LCS (B185250-BS1)				Prepared: 08/30/17 Analyzed: 09/01/17							
Aroclor-1016	0.46	0.20	µg/L	0.500		92.6	40-140				R-05
Aroclor-1016 [2C]	0.48	0.20	µg/L	0.500		96.6	40-140				R-05
Aroclor-1260	0.45	0.20	µg/L	0.500		90.2	40-140				R-05
Aroclor-1260 [2C]	0.43	0.20	µg/L	0.500		86.3	40-140				R-05
Surrogate: Decachlorobiphenyl	*2.12*		µg/L	2.00		106	30-150				
Surrogate: Decachlorobiphenyl [2C]	*1.84*		µg/L	2.00		91.8	30-150				
Surrogate: Tetrachloro-m-xylene	*1.71*		µg/L	2.00		85.5	30-150				
Surrogate: Tetrachloro-m-xylene [2C]	*1.65*		µg/L	2.00		82.7	30-150				
LCS Dup (B185250-BSD1)				Prepared: 08/30/17 Analyzed: 09/01/17							
Aroclor-1016	0.36	0.20	µg/L	0.500		71.7	40-140	**25.5**	*	20	R-05
Aroclor-1016 [2C]	0.38	0.20	µg/L	0.500		76.3	40-140	**23.5**	*	20	R-05
Aroclor-1260	0.34	0.20	µg/L	0.500		68.6	40-140	**27.2**	*	20	R-05
Aroclor-1260 [2C]	0.34	0.20	µg/L	0.500		67.3	40-140	**24.8**	*	20	R-05
Surrogate: Decachlorobiphenyl	*1.50*		µg/L	2.00		74.9	30-150				
Surrogate: Decachlorobiphenyl [2C]	*1.32*		µg/L	2.00		66.0	30-150				
Surrogate: Tetrachloro-m-xylene	*1.31*		µg/L	2.00		65.5	30-150				
Surrogate: Tetrachloro-m-xylene [2C]	*1.30*		µg/L	2.00		65.1	30-150				

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QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B185359 - SW-846 3540C										
Blank (B185359-BLK1)				Prepared: 09/01/17 Analyzed: 09/07/17						
Aroclor-1016	ND	0.020	mg/Kg wet							
Aroclor-1016 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1221	ND	0.020	mg/Kg wet							
Aroclor-1221 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1232	ND	0.020	mg/Kg wet							
Aroclor-1232 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1242	ND	0.020	mg/Kg wet							
Aroclor-1242 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1248	ND	0.020	mg/Kg wet							
Aroclor-1248 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1254	ND	0.020	mg/Kg wet							
Aroclor-1254 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1260	ND	0.020	mg/Kg wet							
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	*0.241*		mg/Kg wet	0.200		121	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.200*		mg/Kg wet	0.200		100	30-150			
Surrogate: Tetrachloro-m-xylene	*0.193*		mg/Kg wet	0.200		96.6	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.191*		mg/Kg wet	0.200		95.4	30-150			
LCS (B185359-BS1)				Prepared: 09/01/17 Analyzed: 09/07/17						
Aroclor-1016	0.20	0.020	mg/Kg wet	0.200		98.1	40-140			
Aroclor-1016 [2C]	0.19	0.020	mg/Kg wet	0.200		97.3	40-140			
Aroclor-1260	0.19	0.020	mg/Kg wet	0.200		93.7	40-140			
Aroclor-1260 [2C]	0.17	0.020	mg/Kg wet	0.200		84.0	40-140			
Surrogate: Decachlorobiphenyl	*0.242*		mg/Kg wet	0.200		121	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.201*		mg/Kg wet	0.200		101	30-150			
Surrogate: Tetrachloro-m-xylene	*0.193*		mg/Kg wet	0.200		96.6	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.190*		mg/Kg wet	0.200		94.9	30-150			
LCS Dup (B185359-BSD1)				Prepared: 09/01/17 Analyzed: 09/07/17						
Aroclor-1016	0.19	0.020	mg/Kg wet	0.200		94.2	40-140	4.01	30	
Aroclor-1016 [2C]	0.19	0.020	mg/Kg wet	0.200		97.1	40-140	0.179	30	
Aroclor-1260	0.18	0.020	mg/Kg wet	0.200		92.0	40-140	1.82	30	
Aroclor-1260 [2C]	0.17	0.020	mg/Kg wet	0.200		84.6	40-140	0.745	30	
Surrogate: Decachlorobiphenyl	*0.233*		mg/Kg wet	0.200		116	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.194*		mg/Kg wet	0.200		96.8	30-150			
Surrogate: Tetrachloro-m-xylene	*0.187*		mg/Kg wet	0.200		93.5	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.186*		mg/Kg wet	0.200		92.9	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 B185009 - SW-846 3510C										
Blank (B185009-BLK1)				Prepared: 08/28/17 Analyzed: 08/29/17						
CT ETPH	ND	0.075	mg/L							
Surrogate: o-Terphenyl	*0.106*		mg/L	0.100		106	50-150			
LCS (B185009-BS1)				Prepared: 08/28/17 Analyzed: 08/29/17						
CT ETPH	0.779	0.075	mg/L	1.00		77.9	60-120			
Surrogate: o-Terphenyl	*0.101*		mg/L	0.100		101	50-150			
LCS Dup (B185009-BSD1)				Prepared: 08/28/17 Analyzed: 08/29/17						
CT ETPH	0.898	0.075	mg/L	1.00		89.8	60-120	14.2	30	
Surrogate: o-Terphenyl	*0.106*		mg/L	0.100		106	50-150			
Batch B185314 - SW-846 3546										
Blank (B185314-BLK1)				Prepared: 08/31/17 Analyzed: 09/05/17						
CT ETPH	ND	10	mg/Kg wet							
Surrogate: o-Terphenyl	*3.20*		mg/Kg wet	3.33		95.9	50-150			
LCS (B185314-BS1)				Prepared: 08/31/17 Analyzed: 09/05/17						
CT ETPH	25.9	10	mg/Kg wet	33.3		77.6	60-120			
Surrogate: o-Terphenyl	*3.22*		mg/Kg wet	3.33		96.7	50-150			
LCS Dup (B185314-BSD1)				Prepared: 08/31/17 Analyzed: 09/05/17						
CT ETPH	26.3	10	mg/Kg wet	33.3		79.0	60-120	1.82	30	
Surrogate: o-Terphenyl	*3.20*		mg/Kg wet	3.33		96.0	50-150			

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QUALITY CONTROL

Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B184951 - SW-846 7470A Prep										
Blank (B184951-BLK1)				Prepared & Analyzed: 08/29/17						
Mercury	ND	0.00010	mg/L							
LCS (B184951-BS1)				Prepared & Analyzed: 08/29/17						
Mercury	0.00196	0.00010	mg/L	0.00200		98.1	80-120			
LCS Dup (B184951-BSD1)				Prepared & Analyzed: 08/29/17						
Mercury	0.00195	0.00010	mg/L	0.00200		97.5	80-120	0.608	20	
Batch B185091 - SW-846 3005A										
Blank (B185091-BLK1)				Prepared: 08/29/17 Analyzed: 08/30/17						
Antimony	ND	5.0	µg/L							
Arsenic	ND	2.0	µg/L							
Barium	ND	50	µg/L							
Beryllium	ND	2.0	µg/L							
Cadmium	ND	2.5	µg/L							
Chromium	ND	5.0	µg/L							
Copper	ND	25	µg/L							
Lead	ND	5.0	µg/L							
Nickel	ND	25	µg/L							
Selenium	ND	25	µg/L							
Silver	ND	2.5	µg/L							
Thallium	ND	1.0	µg/L							
Vanadium	ND	25	µg/L							
Zinc	ND	50	µg/L							
LCS (B185091-BS1)				Prepared: 08/29/17 Analyzed: 08/30/17						
Antimony	508	10	µg/L	500		102	80-120			
Arsenic	525	4.0	µg/L	500		105	80-120			
Barium	494	100	µg/L	500		98.9	80-120			
Beryllium	523	4.0	µg/L	500		105	80-120			
Cadmium	511	5.0	µg/L	500		102	80-120			
Chromium	499	10	µg/L	500		99.8	80-120			
Copper	990	50	µg/L	1000		99.0	80-120			
Lead	512	10	µg/L	500		102	80-120			
Nickel	499	50	µg/L	500		99.9	80-120			
Selenium	549	50	µg/L	500		110	80-120			
Silver	467	5.0	µg/L	500		93.4	80-120			
Thallium	473	2.0	µg/L	500		94.5	80-120			
Vanadium	504	50	µg/L	500		101	80-120			
Zinc	1100	100	µg/L	1000		110	80-120			

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QUALITY CONTROL

Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B185091 - SW-846 3005A										
LCS Dup (B185091-BSD1)				Prepared: 08/29/17 Analyzed: 08/30/17						
Antimony	518	10	µg/L	500		104	80-120	1.96	20	
Arsenic	537	4.0	µg/L	500		107	80-120	2.26	20	
Barium	505	100	µg/L	500		101	80-120	2.01	20	
Beryllium	514	4.0	µg/L	500		103	80-120	1.75	20	
Cadmium	523	5.0	µg/L	500		105	80-120	2.36	20	
Chromium	503	10	µg/L	500		101	80-120	0.787	20	
Copper	1010	50	µg/L	1000		101	80-120	1.80	20	
Lead	514	10	µg/L	500		103	80-120	0.401	20	
Nickel	502	50	µg/L	500		100	80-120	0.594	20	
Selenium	553	50	µg/L	500		111	80-120	0.741	20	
Silver	478	5.0	µg/L	500		95.6	80-120	2.31	20	
Thallium	476	2.0	µg/L	500		95.2	80-120	0.670	20	
Vanadium	509	50	µg/L	500		102	80-120	0.854	20	
Zinc	1150	100	µg/L	1000		115	80-120	4.10	20	
Batch B185230 - SW-846 7471										
Blank (B185230-BLK1)				Prepared: 08/30/17 Analyzed: 09/05/17						
Mercury	ND	0.025	mg/Kg wet							
LCS (B185230-BS1)				Prepared: 08/30/17 Analyzed: 09/05/17						
Mercury	9.79	2.0	mg/Kg wet	9.36		105	73.7-126.3			
LCS Dup (B185230-BSD1)				Prepared: 08/30/17 Analyzed: 09/05/17						
Mercury	11.2	1.9	mg/Kg wet	9.36		119	73.7-126.3	13.2	30	
Batch B185233 - SW-846 3050B										
Blank (B185233-BLK1)				Prepared: 08/30/17 Analyzed: 08/31/17						
Antimony	ND	2.5	mg/Kg wet							
Arsenic	ND	2.5	mg/Kg wet							
Barium	ND	2.5	mg/Kg wet							
Beryllium	ND	0.25	mg/Kg wet							
Cadmium	ND	0.25	mg/Kg wet							
Chromium	ND	0.50	mg/Kg wet							
Copper	ND	0.50	mg/Kg wet							
Lead	ND	0.75	mg/Kg wet							
Nickel	ND	0.50	mg/Kg wet							
Selenium	ND	5.0	mg/Kg wet							
Silver	ND	0.50	mg/Kg wet							
Thallium	ND	2.5	mg/Kg wet							
Vanadium	ND	1.0	mg/Kg wet							
Zinc	ND	1.0	mg/Kg wet							

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QUALITY CONTROL

Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B185233 - SW-846 3050B										
LCS (B185233-BS1)				Prepared: 08/30/17 Analyzed: 08/31/17						
Antimony	40.4	5.0	mg/Kg wet	146		27.6	0-210.3			
Arsenic	134	5.0	mg/Kg wet	157		85.6	77.8-122.1			
Barium	286	5.0	mg/Kg wet	339		84.4	82-117.4			
Beryllium	51.5	0.50	mg/Kg wet	58.3		88.4	82.3-117.7			
Cadmium	181	0.50	mg/Kg wet	216		83.8	81.9-118.2			
Chromium	74.4	1.0	mg/Kg wet	88.9		83.7	78.7-120.6			
Copper	165	1.0	mg/Kg wet	184		89.8	80.4-119.6			
Lead	96.6	1.5	mg/Kg wet	94.3		102	82.4-117.8			
Nickel	128	1.0	mg/Kg wet	154		82.8	82.2-117.8			
Selenium	180	10	mg/Kg wet	207		86.7	77.1-122.3			
Silver	37.0	1.0	mg/Kg wet	43.8		84.5	74.3-125.4			
Thallium	140	5.0	mg/Kg wet	167		83.7	78.2-121.6			
Vanadium	77.8	2.0	mg/Kg wet	100		77.8	64.8-135.2			
Zinc	177	2.0	mg/Kg wet	209		84.5	79.7-120.8			
LCS Dup (B185233-BSD1)				Prepared: 08/30/17 Analyzed: 08/31/17						
Antimony	44.4	5.0	mg/Kg wet	146		30.4	0-210.3	9.55	30	
Arsenic	147	5.0	mg/Kg wet	157		93.7	77.8-122.1	9.06	30	
Barium	322	5.0	mg/Kg wet	339		95.0	82-117.4	11.8	30	
Beryllium	57.1	0.50	mg/Kg wet	58.3		98.0	82.3-117.7	10.3	30	
Cadmium	194	0.50	mg/Kg wet	216		89.9	81.9-118.2	7.05	30	
Chromium	84.3	1.0	mg/Kg wet	88.9		94.9	78.7-120.6	12.4	30	
Copper	186	1.0	mg/Kg wet	184		101	80.4-119.6	11.7	30	
Lead	93.8	1.5	mg/Kg wet	94.3		99.4	82.4-117.8	2.97	30	
Nickel	140	1.0	mg/Kg wet	154		91.1	82.2-117.8	9.54	30	
Selenium	189	10	mg/Kg wet	207		91.1	77.1-122.3	4.94	30	
Silver	41.3	1.0	mg/Kg wet	43.8		94.3	74.3-125.4	11.0	30	
Thallium	154	5.0	mg/Kg wet	167		91.9	78.2-121.6	9.40	30	
Vanadium	85.0	2.0	mg/Kg wet	100		85.0	64.8-135.2	8.83	30	
Zinc	194	2.0	mg/Kg wet	209		92.6	79.7-120.8	9.08	30	
MRL Check (B185233-MRL1)				Prepared: 08/30/17 Analyzed: 08/31/17						
Lead	0.713	0.73	mg/Kg wet	0.725		98.4	80-120			

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC-9-SE-85

Lab Sample ID: 17H1432-01

Date(s) Analyzed: 09/11/2017 09/11/2017

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	1.4	
	2	0.000	-0.030	0.030	1.3	7.4

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC-9-SE-88

Lab Sample ID: 17H1432-03 Date(s) Analyzed: 09/07/2017 09/07/2017

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	0.26	
	2	0.000	-0.030	0.030	0.31	17.5
Aroclor-1254	1	0.000	-0.030	0.030	0.19	
	2	0.000	-0.030	0.030	0.21	10.0
Aroclor-1260	1	0.000	-0.030	0.030	0.19	
	2	0.000	-0.030	0.030	0.24	23.3

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC-9-SE-90

Lab Sample ID: 17H1432-04 Date(s) Analyzed: 09/07/2017 09/07/2017

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	0.43	
	2	0.000	-0.030	0.030	0.48	11.0
Aroclor-1254	1	0.000	-0.030	0.030	0.36	
	2	0.000	-0.030	0.030	0.50	32.6
Aroclor-1260	1	0.000	-0.030	0.030	0.50	
	2	0.000	-0.030	0.030	0.59	16.5

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC-8-SE-23

Lab Sample ID: 17H1432-05 Date(s) Analyzed: 09/11/2017 09/11/2017

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	0.21	
	2	0.000	-0.030	0.030	0.23	4.4
Aroclor-1260	1	0.000	-0.030	0.030	0.58	
	2	0.000	-0.030	0.030	0.54	7.1
Aroclor-1268	1	0.000	-0.030	0.030	0.23	
	2	0.000	-0.030	0.030	0.22	8.7

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit
DL	Method Detection Limit
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
DL-04	Elevated reporting limit due to high concentration of an interfering analyte(s).
L-01	Laboratory fortified blank /laboratory control sample recovery outside of control limits. Data validation is not affected since all results are "not detected" for all samples in this batch for this compound and bias is on the high side.
R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
RL-03	Elevated reporting limit based on lowest point in calibration. Requested reporting limit not met.
S-07	One associated surrogate standard recovery is outside of control limits but the other(s) is/are within limits. All recoveries are > 10%.
V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
V-20	Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
CTDEP ETPH in Soil	
CT ETPH	CT
CTDEP ETPH in Water	
CT ETPH	CT
SW-846 6010C-D in Soil	
Antimony	CT,NH,NY,ME,VA,NC
Arsenic	CT,NH,NY,ME,VA,NC
Barium	CT,NH,NY,ME,VA,NC
Beryllium	CT,NH,NY,ME,VA,NC
Cadmium	CT,NH,NY,ME,VA,NC
Chromium	CT,NH,NY,ME,VA,NC
Copper	CT,NH,NY,ME,VA,NC
Lead	CT,NH,NY,AIHA,ME,VA,NC
Nickel	CT,NH,NY,ME,VA,NC
Selenium	CT,NH,NY,ME,VA,NC
Silver	CT,NH,NY,ME,VA,NC
Thallium	CT,NH,NY,ME,VA,NC
Vanadium	CT,NH,NY,ME,VA,NC
Zinc	CT,NH,NY,ME,VA,NC
SW-846 6020A-B in Water	
Antimony	CT,NH,NY,ME,VA,NC
Arsenic	CT,NH,NY,ME,VA,NC
Barium	CT,NH,NY,ME,VA,NC
Beryllium	CT,NH,NY,ME,VA,NC
Cadmium	CT,NH,NY,RI,ME,VA,NC
Chromium	CT,NH,NY,ME,VA,NC
Copper	CT,NH,NY,ME,VA,NC
Lead	CT,NH,NY,ME,VA,NC
Nickel	CT,NH,NY,ME,VA,NC
Selenium	CT,NH,NY,ME,VA,NC
Silver	CT,NH,NY,ME,VA,NC
Thallium	CT,NH,NY,ME,VA,NC
Vanadium	CT,NH,NY,ME,VA,NC
Zinc	CT,NH,NY,ME,VA,NC
SW-846 7470A in Water	
Mercury	CT,NH,NY,NC,ME,VA
SW-846 7471B in Soil	
Mercury	CT,NH,NY,NC,ME,VA
SW-846 8082A in Soil	
Aroclor-1016	CT,NH,NY,ME,NC,VA
Aroclor-1016 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1221	CT,NH,NY,ME,NC,VA
Aroclor-1221 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1232	CT,NH,NY,ME,NC,VA
Aroclor-1232 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1242	CT,NH,NY,ME,NC,VA

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8082A in Soil	
Aroclor-1242 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1248	CT,NH,NY,ME,NC,VA
Aroclor-1248 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1254	CT,NH,NY,ME,NC,VA
Aroclor-1254 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1260	CT,NH,NY,ME,NC,VA
Aroclor-1260 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1262	NY,NC,VA
Aroclor-1262 [2C]	NY,NC,VA
Aroclor-1268	NY,NC,VA
Aroclor-1268 [2C]	NY,NC,VA
SW-846 8082A in Water	
Aroclor-1016	CT,NH,NY,NC,ME,VA
Aroclor-1016 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1221	CT,NH,NY,NC,ME,VA
Aroclor-1221 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1232	CT,NH,NY,NC,ME,VA
Aroclor-1232 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1242	CT,NH,NY,NC,ME,VA
Aroclor-1242 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1248	CT,NH,NY,NC,ME,VA
Aroclor-1248 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1254	CT,NH,NY,NC,ME,VA
Aroclor-1254 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1260	CT,NH,NY,NC,ME,VA
Aroclor-1260 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1262	NH,NY,NC,ME,VA
Aroclor-1262 [2C]	NH,NY,NC,ME,VA
Aroclor-1268	NH,NY,NC,ME,VA
Aroclor-1268 [2C]	NH,NY,NC,ME,VA
SW-846 8260C in Soil	
Acetone	CT,NH,NY,ME
Acetone	CT,NH,NY,ME
Acrylonitrile	CT,NH,NY,ME
Acrylonitrile	CT,NH,NY,ME
Benzene	CT,NH,NY,ME
Benzene	CT,NH,NY,ME
Bromobenzene	NH,NY,ME
Bromobenzene	NH,NY,ME
Bromodichloromethane	CT,NH,NY,ME
Bromodichloromethane	CT,NH,NY,ME
Bromoform	CT,NH,NY,ME
Bromoform	CT,NH,NY,ME
Bromomethane	CT,NH,NY,ME
Bromomethane	CT,NH,NY,ME
2-Butanone (MEK)	CT,NH,NY,ME

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8260C in Soil	
2-Butanone (MEK)	CT,NH,NY,ME
n-Butylbenzene	CT,NH,NY,ME
n-Butylbenzene	CT,NH,NY,ME
sec-Butylbenzene	CT,NH,NY,ME
sec-Butylbenzene	CT,NH,NY,ME
tert-Butylbenzene	CT,NH,NY,ME
tert-Butylbenzene	CT,NH,NY,ME
Carbon Disulfide	CT,NH,NY,ME
Carbon Disulfide	CT,NH,NY,ME
Carbon Tetrachloride	CT,NH,NY,ME
Carbon Tetrachloride	CT,NH,NY,ME
Chlorobenzene	CT,NH,NY,ME
Chlorobenzene	CT,NH,NY,ME
Chlorodibromomethane	CT,NH,NY,ME
Chlorodibromomethane	CT,NH,NY,ME
Chloroethane	CT,NH,NY,ME
Chloroethane	CT,NH,NY,ME
Chloroform	CT,NH,NY,ME
Chloroform	CT,NH,NY,ME
Chloromethane	CT,NH,NY,ME
Chloromethane	CT,NH,NY,ME
2-Chlorotoluene	CT,NH,NY,ME
2-Chlorotoluene	CT,NH,NY,ME
4-Chlorotoluene	CT,NH,NY,ME
4-Chlorotoluene	CT,NH,NY,ME
Dibromomethane	NH,NY,ME
Dibromomethane	NH,NY,ME
1,2-Dichlorobenzene	CT,NH,NY,ME
1,2-Dichlorobenzene	CT,NH,NY,ME
1,3-Dichlorobenzene	CT,NH,NY,ME
1,3-Dichlorobenzene	CT,NH,NY,ME
1,4-Dichlorobenzene	CT,NH,NY,ME
1,4-Dichlorobenzene	CT,NH,NY,ME
trans-1,4-Dichloro-2-butene	NY
Dichlorodifluoromethane (Freon 12)	NY,ME
Dichlorodifluoromethane (Freon 12)	NY,ME
1,1-Dichloroethane	CT,NH,NY,ME
1,1-Dichloroethane	CT,NH,NY,ME
1,2-Dichloroethane	CT,NH,NY,ME
1,2-Dichloroethane	CT,NH,NY,ME
1,1-Dichloroethylene	CT,NH,NY,ME
1,1-Dichloroethylene	CT,NH,NY,ME
cis-1,2-Dichloroethylene	CT,NH,NY,ME
cis-1,2-Dichloroethylene	CT,NH,NY,ME
trans-1,2-Dichloroethylene	CT,NH,NY,ME
trans-1,2-Dichloroethylene	CT,NH,NY,ME
1,2-Dichloropropane	CT,NH,NY,ME

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8260C in Soil	
1,2-Dichloropropane	CT,NH,NY,ME
1,3-Dichloropropane	NH,NY,ME
1,3-Dichloropropane	NH,NY,ME
2,2-Dichloropropane	NH,NY,ME
2,2-Dichloropropane	NH,NY,ME
1,1-Dichloropropene	NH,NY,ME
1,1-Dichloropropene	NH,NY,ME
cis-1,3-Dichloropropene	CT,NH,NY,ME
cis-1,3-Dichloropropene	CT,NH,NY,ME
trans-1,3-Dichloropropene	CT,NH,NY,ME
trans-1,3-Dichloropropene	CT,NH,NY,ME
Ethylbenzene	CT,NH,NY,ME
Ethylbenzene	CT,NH,NY,ME
Hexachlorobutadiene	NH,NY,ME
Hexachlorobutadiene	NH,NY,ME
2-Hexanone (MBK)	CT,NH,NY,ME
2-Hexanone (MBK)	CT,NH,NY,ME
Isopropylbenzene (Cumene)	CT,NH,NY,ME
Isopropylbenzene (Cumene)	CT,NH,NY,ME
p-Isopropyltoluene (p-Cymene)	NH,NY
p-Isopropyltoluene (p-Cymene)	NH,NY
Methyl tert-Butyl Ether (MTBE)	NY
Methyl tert-Butyl Ether (MTBE)	NH,NY
Methylene Chloride	CT,NH,NY,ME
Methylene Chloride	CT,NH,NY,ME
4-Methyl-2-pentanone (MIBK)	CT,NH,NY
4-Methyl-2-pentanone (MIBK)	CT,NH,NY
Naphthalene	NH,NY,ME
Naphthalene	NH,NY,ME
n-Propylbenzene	NH,NY
n-Propylbenzene	NH,NY
Styrene	CT,NH,NY,ME
Styrene	CT,NH,NY,ME
1,1,1,2-Tetrachloroethane	CT,NH,NY,ME
1,1,1,2-Tetrachloroethane	CT,NH,NY,ME
1,1,2,2-Tetrachloroethane	CT,NH,NY,ME
1,1,2,2-Tetrachloroethane	CT,NH,NY,ME
Tetrachloroethylene	CT,NH,NY,ME
Tetrachloroethylene	CT,NH,NY,ME
Toluene	CT,NH,NY,ME
Toluene	CT,NH,NY,ME
1,2,4-Trichlorobenzene	NH,NY,ME
1,2,4-Trichlorobenzene	NH,NY,ME
1,1,1-Trichloroethane	CT,NH,NY,ME
1,1,1-Trichloroethane	CT,NH,NY,ME
1,1,2-Trichloroethane	CT,NH,NY,ME
1,1,2-Trichloroethane	CT,NH,NY,ME

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8260C in Soil	
Trichloroethylene	CT,NH,NY,ME
Trichloroethylene	CT,NH,NY,ME
Trichlorofluoromethane (Freon 11)	CT,NH,NY,ME
Trichlorofluoromethane (Freon 11)	CT,NH,NY,ME
1,2,3-Trichloropropane	NH,NY,ME
1,2,3-Trichloropropane	NH,NY,ME
1,2,4-Trimethylbenzene	CT,NH,NY,ME
1,2,4-Trimethylbenzene	CT,NH,NY,ME
1,3,5-Trimethylbenzene	CT,NH,NY,ME
1,3,5-Trimethylbenzene	CT,NH,NY,ME
Vinyl Chloride	CT,NH,NY,ME
Vinyl Chloride	CT,NH,NY,ME
m+p Xylene	CT,NH,NY,ME
m+p Xylene	CT,NH,NY,ME
o-Xylene	CT,NH,NY,ME
o-Xylene	CT,NH,NY,ME
SW-846 8260C in Water	
Acetone	CT,NH,NY,ME
Acrylonitrile	CT,NY,ME
Benzene	CT,NH,NY,ME
Bromobenzene	NY
Bromodichloromethane	CT,NH,NY,ME
Bromoform	CT,NH,NY,ME
Bromomethane	CT,NH,NY,ME
2-Butanone (MEK)	CT,NH,NY,ME
n-Butylbenzene	NY,ME
sec-Butylbenzene	NY,ME
tert-Butylbenzene	NY,ME
Carbon Disulfide	CT,NH,NY,ME
Carbon Tetrachloride	CT,NH,NY,ME
Chlorobenzene	CT,NH,NY,ME
Chlorodibromomethane	CT,NH,NY,ME
Chloroethane	CT,NH,NY,ME
Chloroform	CT,NH,NY,ME
Chloromethane	CT,NH,NY,ME
2-Chlorotoluene	NY,ME
4-Chlorotoluene	NY,ME
Dibromomethane	NH,NY,ME
1,2-Dichlorobenzene	CT,NY,ME
1,3-Dichlorobenzene	CT,NH,NY,ME
1,4-Dichlorobenzene	CT,NH,NY,ME
trans-1,4-Dichloro-2-butene	NH,NY,ME
Dichlorodifluoromethane (Freon 12)	NH,NY,ME
1,1-Dichloroethane	CT,NH,NY,ME
1,2-Dichloroethane	CT,NH,NY,ME
1,1-Dichloroethylene	CT,NH,NY,ME

con-test® ANALYTICAL LABORATORY

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

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8260C in Water	
cis-1,2-Dichloroethylene	NY,ME
trans-1,2-Dichloroethylene	CT,NH,NY,ME
1,2-Dichloropropane	CT,NH,NY,ME
1,3-Dichloropropane	NY,ME
2,2-Dichloropropane	NH,NY,ME
1,1-Dichloropropene	NH,NY,ME
cis-1,3-Dichloropropene	CT,NH,NY,ME
trans-1,3-Dichloropropene	CT,NH,NY,ME
Ethylbenzene	CT,NH,NY,ME
Hexachlorobutadiene	CT,NH,NY,ME
2-Hexanone (MBK)	CT,NH,NY,ME
Isopropylbenzene (Cumene)	NY,ME
p-Isopropyltoluene (p-Cymene)	CT,NH,NY,ME
Methyl tert-Butyl Ether (MTBE)	CT,NH,NY,ME
Methylene Chloride	CT,NH,NY,ME
4-Methyl-2-pentanone (MIBK)	CT,NH,NY,ME
Naphthalene	NH,NY,ME
n-Propylbenzene	CT,NH,NY,ME
Styrene	CT,NH,NY,ME
1,1,1,2-Tetrachloroethane	CT,NH,NY,ME
1,1,2,2-Tetrachloroethane	CT,NH,NY,ME
Tetrachloroethylene	CT,NH,NY,ME
Toluene	CT,NH,NY,ME
1,2,3-Trichlorobenzene	NH,NY,ME
1,2,4-Trichlorobenzene	CT,NH,NY,ME
1,1,1-Trichloroethane	CT,NH,NY,ME
1,1,2-Trichloroethane	CT,NH,NY,ME
Trichloroethylene	CT,NH,NY,ME
Trichlorofluoromethane (Freon 11)	CT,NH,NY,ME
1,2,3-Trichloropropane	NH,NY,ME
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	NY
1,2,4-Trimethylbenzene	NY,ME
1,3,5-Trimethylbenzene	NY,ME
Vinyl Chloride	CT,NH,NY,ME
m+p Xylene	NH,NY,ME
o-Xylene	NH,NY,ME
SW-846 8270D in Soil	
Acenaphthene	CT,NY,NH
Acenaphthylene	CT,NY,NH
Aniline	NY,NH
Anthracene	CT,NY,NH
Benzo(a)anthracene	CT,NY,NH
Benzo(a)pyrene	CT,NY,NH
Benzo(b)fluoranthene	CT,NY,NH
Benzo(g,h,i)perylene	CT,NY,NH
Benzo(k)fluoranthene	CT,NY,NH

con-test® ANALYTICAL LABORATORY

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

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8270D in Soil	
Bis(2-chloroethoxy)methane	CT,NY,NH
Bis(2-chloroethyl)ether	CT,NY,NH
Bis(2-chloroisopropyl)ether	CT,NY,NH
Bis(2-Ethylhexyl)phthalate	CT,NY,NH
4-Bromophenylphenylether	CT,NY,NH
Butylbenzylphthalate	CT,NY,NH
4-Chloroaniline	CT,NY,NH
4-Chloro-3-methylphenol	CT,NY,NH
2-Chloronaphthalene	CT,NY,NH
2-Chlorophenol	CT,NY,NH
4-Chlorophenylphenylether	CT,NY,NH
Chrysene	CT,NY,NH
Dibenz(a,h)anthracene	CT,NY,NH
Dibenzofuran	CT,NY,NH
Di-n-butylphthalate	CT,NY,NH
1,2-Dichlorobenzene	NY,NH
1,3-Dichlorobenzene	NY,NH
1,4-Dichlorobenzene	NY,NH
3,3-Dichlorobenzidine	CT,NY,NH
2,4-Dichlorophenol	CT,NY,NH
Diethylphthalate	CT,NY,NH
2,4-Dimethylphenol	CT,NY,NH
Dimethylphthalate	CT,NY,NH
4,6-Dinitro-2-methylphenol	CT,NY,NH
2,4-Dinitrophenol	CT,NY,NH
2,4-Dinitrotoluene	CT,NY,NH
2,6-Dinitrotoluene	CT,NY,NH
Di-n-octylphthalate	CT,NY,NH
Fluoranthene	CT,NY,NH
Fluorene	NY,NH
Hexachlorobenzene	CT,NY,NH
Hexachlorobutadiene	CT,NY,NH
Hexachlorocyclopentadiene	CT,NY,NH
Hexachloroethane	CT,NY,NH
Indeno(1,2,3-cd)pyrene	CT,NY,NH
Isophorone	CT,NY,NH
2-Methylnaphthalene	CT,NY,NH
2-Methylphenol	CT,NY,NH
3/4-Methylphenol	CT,NY,NH
Naphthalene	CT,NY,NH
2-Nitroaniline	CT,NY,NH
3-Nitroaniline	CT,NY,NH
4-Nitroaniline	CT,NY,NH
Nitrobenzene	CT,NY,NH
2-Nitrophenol	CT,NY,NH
4-Nitrophenol	CT,NY,NH
N-Nitrosodiphenylamine	CT,NY,NH

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

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8270D in Soil	
N-Nitrosodi-n-propylamine	CT,NY,NH
Pentachloronitrobenzene	NY
Pentachlorophenol	CT,NY,NH
Phenanthrene	CT,NY,NH
Phenol	CT,NY,NH
Pyrene	CT,NY,NH
Pyridine	CT,NY,NH
1,2,4,5-Tetrachlorobenzene	NY
1,2,4-Trichlorobenzene	CT,NY,NH
2,4,5-Trichlorophenol	CT,NY,NH
2,4,6-Trichlorophenol	CT,NY,NH
SW-846 8270D in Water	
Acenaphthene	CT,NY,NH
Acenaphthylene	CT,NY,NH
Aniline	CT,NY
Anthracene	CT,NY,NH
Benzo(a)anthracene	CT,NY,NH
Benzo(a)pyrene	CT,NY,NH
Benzo(b)fluoranthene	CT,NY,NH
Benzo(g,h,i)perylene	CT,NY,NH
Benzo(k)fluoranthene	CT,NY,NH
Bis(2-chloroethoxy)methane	CT,NY,NH
Bis(2-chloroethyl)ether	CT,NY,NH
Bis(2-chloroisopropyl)ether	CT,NY,NH
Bis(2-Ethylhexyl)phthalate	CT,NY,NH
4-Bromophenylphenylether	CT,NY,NH
Butylbenzylphthalate	CT,NY,NH
4-Chloroaniline	CT,NY,NH
4-Chloro-3-methylphenol	CT,NY,NH
2-Chloronaphthalene	CT,NY,NH
2-Chlorophenol	CT,NY,NH
4-Chlorophenylphenylether	CT,NY,NH
Chrysene	CT,NY,NH
Dibenz(a,h)anthracene	CT,NY,NH
Dibenzofuran	CT,NY,NH
Di-n-butylphthalate	CT,NY,NH
1,2-Dichlorobenzene	NY
1,3-Dichlorobenzene	NY
1,4-Dichlorobenzene	NY
3,3-Dichlorobenzidine	CT,NY,NH
2,4-Dichlorophenol	CT,NY,NH
Diethylphthalate	CT,NY,NH
2,4-Dimethylphenol	CT,NY,NH
Dimethylphthalate	CT,NY,NH
4,6-Dinitro-2-methylphenol	CT,NY,NH
2,4-Dinitrophenol	CT,NY,NH

con-test® ANALYTICAL LABORATORY

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

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8270D in Water	
2,4-Dinitrotoluene	CT,NY,NH
2,6-Dinitrotoluene	CT,NY,NH
Di-n-octylphthalate	CT,NY,NH
Fluoranthene	CT,NY,NH
Fluorene	NY,NH
Hexachlorobenzene	CT,NY,NH
Hexachlorobutadiene	CT,NY,NH
Hexachlorocyclopentadiene	CT,NY,NH
Hexachloroethane	CT,NY,NH
Indeno(1,2,3-cd)pyrene	CT,NY,NH
Isophorone	CT,NY,NH
2-Methylnaphthalene	CT,NY,NH
2-Methylphenol	CT,NY,NH
3/4-Methylphenol	CT,NY,NH
Naphthalene	CT,NY,NH
2-Nitroaniline	CT,NY,NH
3-Nitroaniline	CT,NY,NH
4-Nitroaniline	CT,NY,NH
Nitrobenzene	CT,NY,NH
2-Nitrophenol	CT,NY,NH
4-Nitrophenol	CT,NY,NH
N-Nitrosodiphenylamine	CT,NY,NH
N-Nitrosodi-n-propylamine	CT,NY,NH
Pentachlorophenol	CT,NY,NH
Phenanthrene	CT,NY,NH
Phenol	CT,NY,NH
Pyrene	CT,NY,NH
Pyridine	CT,NY,NH
1,2,4,5-Tetrachlorobenzene	NY
1,2,4-Trichlorobenzene	CT,NY,NH
2,4,5-Trichlorophenol	CT,NY,NH
2,4,6-Trichlorophenol	CT,NY,NH

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

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

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

17H1432

http://www.contestlabs.com

Doc # 381 Rev 1_03242017

con-test® ANALYTICAL LABORATORY

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

CHAIN OF CUSTODY RECORD

39 Spruce Street
East Longmeadow, MA 01028

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

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

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

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

ANALYSIS REQUESTED

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	[1]Matrix Code	Conc Code	PCBs (Soxhlet)	SVOCs	ETPH	RSR-15	VOCs	# of Containers	[2] Preservation Code	[3] Container Code
1	WS-AOC-9-SE-85	8/25/17	1330		X	S	U	X	X	X	X	X			
2	WS-AOC-9-SE-87	↓	1340		↓	↓	↓	↓	↓	↓	↓	↓			
3	WS-AOC-9-SE-88		1350												
4	WS-AOC-9-SE-90		1400												
5	WS-AOC-8-SE-23		1410												
6	Trip Blank		—			↓						X			
7	EB-52	↓	1215		↓	O	↓	X	X	X	X	X			

Dissolved Metals Samples
○ Field Filtered
○ Lab to Filter

Orthophosphate Samples
○ Field Filtered
○ Lab to Filter

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

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

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

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: 8/25/17 1510
Received by: (signature) Tom Mau	Date/Time: 8/25/17 1510
Relinquished by: (signature) Tom Mau	Date/Time: 8/25/17 1640
Received by: (signature) 2.2	Date/Time: 8/25/17 1640
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:

Detection Limit Requirements
MA
CT RSL DEC
Other:

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

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NELAC and AIHA-LAP, LLC Accredited

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

Other
☐ Chromatogram
☐ AIHA-LAP,LLC

PCB ONLY
☐ Soxhlet
☐ Non Soxhlet

Table of Contents

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

con-test® ANALYTICAL LABORATORY

Doc# 277 Rev 5 2017

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

Client Weston & Sampson

Received By JM Date 8/25/17 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 - 2.2
By Blank # ___ Actual Temp -

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

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.	
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear	10
Meoh-	6	250 mL Amb.		250 mL Plastic		4oz Amb/Clear	
Bisulfate-		Col./Bacteria		Flashpoint		2oz Amb/Clear	
DI-	12	Other Plastic		Other Glass		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen: 8/25/17 1640	
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\A082917.SEC\A0829007.D

CT ETPH DISCRIMINATION CHECK

Date Acquired	8/29/17
Data File Name	A0829007.D
Sample Name	ETPH 1500
Instrument Name	5890DFID

Compound	Ret Time	Target Response	Average Response	*%D +/- 20
c - 9	1.28	530131	552219	-4
c - 10	1.63	540238	552219	-2
c - 12	2.35	559352	552219	1
c - 14	3.01	567988	552219	3
c - 16	3.62	576102	552219	4
c - 18	4.23	565466	552219	2
o-Terphenyl	4.51	626292	552219	
c - 20	4.83	568421	552219	3
c - 22	5.34	573679	552219	4
c - 24	5.78	532804	552219	-4
c - 26	6.17	558950	552219	1
c - 28	6.53	552279	552219	0
c - 30	6.86	546755	552219	-1
c - 32	7.17	533599	552219	-3
c - 34	7.46	537963	552219	-3
c - 36	7.78	539553	552219	-2

* One compound allowed %D <= 50%

Samples

17H1324-01
17H1324-02
17H1324-03
17H1324-04
17H1324-05
17H1324-06
17H1324-07
17H1324-08
17H1324-10
17H1329-01
17H1329-03
17H1371-01
17H1395-01
17H1395-02

D:\HPCHEM\1\DATA\A082917.SEC\A0829061.D

CT ETPH DISCRIMINATION CHECK

Date Acquired	8/29/17
Data File Name	A0829061.D
Sample Name	ETPH 1500
Instrument Name	5890DFID

Compound	Ret Time	Target Response	Average Response	*%D +/- 20
c - 9	1.28	535235	556629	-4
c - 10	1.63	542910	556629	-2
c - 12	2.35	559068	556629	0
c - 14	3.01	569195	556629	2
c - 16	3.61	579549	556629	4
c - 18	4.23	569802	556629	2
o-Terphenyl	4.51	631195	556629	
c - 20	4.83	573519	556629	3
c - 22	5.34	578710	556629	4
c - 24	5.78	536575	556629	-4
c - 26	6.17	562670	556629	1
c - 28	6.52	555025	556629	0
c - 30	6.86	552677	556629	-1
c - 32	7.17	541692	556629	-3
c - 34	7.46	545845	556629	-2
c - 36	7.77	546965	556629	-2

* One compound allowed %D </= 50%

Samples

17H1395-04
17H1432-07
17H1317-01
17H1318-01
17H1319-01
17H1319-02
17H1319-03
17H1319-04
17H1329-02
17H1425-01
17H1425-02
17H1425-04

D:\HPCHEM\1\DATA\A082917.SEC\A0829107.D

CT ETPH DISCRIMINATION CHECK

Date Acquired	8/30/17
Data File Name	A0829107.D
Sample Name	ETPH 1500
Instrument Name	5890DFID

Compound	Ret Time	Target Response	Average Response	*%D +/- 20
c - 9	1.28	553436	576511	-4
c - 10	1.63	562139	576511	-2
c - 12	2.35	577444	576511	0
c - 14	3.01	587757	576511	2
c - 16	3.61	599368	576511	4
c - 18	4.23	590233	576511	2
o-Terphenyl	4.51	654964	576511	
c - 20	4.83	594610	576511	3
c - 22	5.34	599934	576511	4
c - 24	5.78	556613	576511	-3
c - 26	6.17	583801	576511	1
c - 28	6.52	575827	576511	0
c - 30	6.86	573262	576511	-1
c - 32	7.17	561194	576511	-3
c - 34	7.46	565696	576511	-2
c - 36	7.77	566344	576511	-2

* One compound allowed %D <= 50%

Samples

17H1465-01
17H1465-02
17H1193-01RE1

D:\HPCHEM\1\DATA\A090517\A0905052.D

CT ETPH DISCRIMINATION CHECK

Date Acquired	9/5/17
Data File Name	A0905052.D
Sample Name	ETPH 1500
Instrument Name	5890DFID

Compound	Ret Time	Target Response	Average Response	*%D +/- 20
c - 9	1.29	380236	409600	-7
c - 10	1.64	390101	409600	-5
c - 12	2.37	407254	409600	-1
c - 14	3.05	416145	409600	2
c - 16	3.65	425628	409600	4
c - 18	4.29	420914	409600	3
o-Terphenyl	4.57	465244	409600	
c - 20	4.89	426082	409600	4
c - 22	5.40	432017	409600	5
c - 24	5.84	402008	409600	-2
c - 26	6.23	420612	409600	3
c - 28	6.59	411599	409600	0
c - 30	6.93	405834	409600	-1
c - 32	7.24	394435	409600	-4
c - 34	7.53	399757	409600	-2
c - 36	7.88	411385	409600	0

* One compound allowed %D <= 50%

Samples

17H1623-02
17H1623-03
17H1630-02
17H1630-03
17H1630-04
17H1630-05
17H1630-06
17H1630-07
17H1630-08
17H1630-01

D:\HPCHEM\1\DATA\A090517\A0905110.D

CT ETPH DISCRIMINATION CHECK

Date Acquired	9/6/17
Data File Name	A0905110.D
Sample Name	ETPH 1500
Instrument Name	5890DFID

Compound	Ret Time	Target Response	Average Response	*%D +/- 20
c - 9	1.29	415185	449792	-8
c - 10	1.64	426236	449792	-5
c - 12	2.37	444684	449792	-1
c - 14	3.04	454380	449792	1
c - 16	3.65	465282	449792	3
c - 18	4.29	461698	449792	3
o-Terphenyl	4.57	512445	449792	
c - 20	4.89	468630	449792	4
c - 22	5.39	476839	449792	6
c - 24	5.83	444188	449792	-1
c - 26	6.23	465365	449792	3
c - 28	6.59	455715	449792	1
c - 30	6.92	449593	449792	0
c - 32	7.24	438359	449792	-3
c - 34	7.53	439810	449792	-2
c - 36	7.88	440920	449792	-2

* One compound allowed %D <= 50%

Samples

17H1432-02

D:\HPCHEM\1\DATA\A090517.SEC\A0905053.D

CT ETPH DISCRIMINATION CHECK

Date Acquired	9/5/17
Data File Name	A0905053.D
Sample Name	ETPH 1500
Instrument Name	5890DFID

Compound	Ret Time	Target Response	Average Response	*%D +/- 20
c - 9	1.28	453769	476965	-5
c - 10	1.62	460280	476965	-3
c - 12	2.34	474583	476965	0
c - 14	3.01	483137	476965	1
c - 16	3.61	493711	476965	4
c - 18	4.23	487045	476965	2
o-Terphenyl	4.51	540841	476965	
c - 20	4.83	491895	476965	3
c - 22	5.34	496950	476965	4
c - 24	5.78	461624	476965	-3
c - 26	6.17	485069	476965	2
c - 28	6.52	478770	476965	0
c - 30	6.85	477617	476965	0
c - 32	7.17	468356	476965	-2
c - 34	7.46	470700	476965	-1
c - 36	7.77	470963	476965	-1

* One compound allowed %D </= 50%

Samples

17H1515-01
17H1515-02
17H1515-03
17H1515-04
17H1515-05
17H1515-06
17H1515-07
17H1515-08
17H1546-01
17H1546-03
17H1546-04
17H1546-05
17H1546-08
17H1546-10
17H1546-16

D:\HPCHEM\1\DATA\A090517.SEC\A0905111.D

CT ETPH DISCRIMINATION CHECK

Date Acquired	9/6/17
Data File Name	A0905111.D
Sample Name	ETPH 1500
Instrument Name	5890DFID

Compound	Ret Time	Target Response	Average Response	*%D +/- 20
c - 9	1.28	507218	537020	-6
c - 10	1.63	516196	537020	-4
c - 12	2.35	532126	537020	-1
c - 14	3.01	543055	537020	1
c - 16	3.61	555735	537020	3
c - 18	4.23	548984	537020	2
o-Terphenyl	4.51	609669	537020	
c - 20	4.84	554022	537020	3
c - 22	5.34	560672	537020	4
c - 24	5.78	521011	537020	-3
c - 26	6.17	547684	537020	2
c - 28	6.52	540887	537020	1
c - 30	6.86	539473	537020	0
c - 32	7.17	528239	537020	-2
c - 34	7.46	530511	537020	-1
c - 36	7.77	529482	537020	-1

* One compound allowed %D </= 50%

Samples

17H1432-01@5X
17H1432-03@5X
17H1432-04@5X
17H1432-05@10X

D:\HPCHEM\1\DATA\A090517\A0905142.D

CT ETPH DISCRIMINATION CHECK

Date Acquired	9/6/17
Data File Name	A0905142.D
Sample Name	ETPH 1500
Instrument Name	5890DFID

Compound	Ret Time	Target Response	Average Response	*%D +/- 20
c - 9	1.29	425588	463941	-8
c - 10	1.64	438056	463941	-6
c - 12	2.37	457459	463941	-1
c - 14	3.04	468337	463941	1
c - 16	3.65	479972	463941	3
c - 18	4.29	476400	463941	3
o-Terphenyl	4.57	527845	463941	
c - 20	4.89	483217	463941	4
c - 22	5.40	491595	463941	6
c - 24	5.84	458256	463941	-1
c - 26	6.23	480294	463941	4
c - 28	6.59	470940	463941	2
c - 30	6.92	465145	463941	0
c - 32	7.24	453363	463941	-2
c - 34	7.53	454529	463941	-2
c - 36	7.88	455969	463941	-2

* One compound allowed %D </= 50%

Samples

17H1623-01@5X

REASONABLE CONFIDENCE PROTOCOL
LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name: Con-Test Analytical Laboratory

Client: Weston & Sampson

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

Project Number: 17H1432

Laboratory Sample ID(s):

17H1432-01 thru 17H1432-07

Sample Date(s):

08/25/2017

List RCP Methods Used:

CTDEP ETPH, SW-846 6010C-D, SW-846 6020A-B, SW-846 7470A, SW-846 7471B, SW-846 8082A, SW-846 8260C, SW-846 8270D

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

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

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

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

Printed Name: **Lisa A. Worthington** **Date:** **09/11/17**

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

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

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October 13, 2017

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

Project Location: 510 Grand Ave., New Haven, CT
Client Job Number:
Project Number: 2170495
Laboratory Work Order Number: 17H1544

Enclosed are results of analyses for samples received by the laboratory on August 29, 2017. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

James M. Georgantas
Project Manager

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Rocky Hill, CT 06067
ATTN: Malcolm Beeler

REPORT DATE: 10/13/2017

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 2170495

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 17H1544

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-SE-26	17H1544-01	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 6010C-D	
				SW-846 7471B	
				SW-846 8082A	
				SW-846 8260C	
				SW-846 8270D	
WS-AOC13-SE-27	17H1544-02	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 6010C-D	
				SW-846 7471B	
				SW-846 8082A	
				SW-846 8260C	
				SW-846 8270D	
WS-AOC13-SE-28	17H1544-03	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 6010C-D	
				SW-846 7471B	
				SW-846 8082A	
				SW-846 8260C	
				SW-846 8270D	
WS-AOC13-SE-29	17H1544-04	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 6010C-D	
				SW-846 7471B	
				SW-846 8082A	
				SW-846 8260C	
				SW-846 8270D	
WS-AOC13-SE-30	17H1544-05	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 6010C-D	
				SW-846 7471B	
				SW-846 8082A	
				SW-846 8260C	
				SW-846 8270D	

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Rocky Hill, CT 06067
ATTN: Malcolm Beeler

REPORT DATE: 10/13/2017

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 2170495

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 17H1544

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-SE-31	17H1544-06	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 6010C-D	
				SW-846 7471B	
				SW-846 8082A	
				SW-846 8260C	
				SW-846 8270D	
WS-AOC3-SE-6	17H1544-07	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 6010C-D	
				SW-846 7471B	
				SW-846 8082A	
				SW-846 8260C	
				SW-846 8270D	
WS-AOC8-SE-16	17H1544-08	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 6010C-D	
				SW-846 7471B	
				SW-846 8082A	
				SW-846 8260C	
				SW-846 8270D	
WS-AOC8-SE-17	17H1544-09	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 6010C-D	
				SW-846 7471B	
				SW-846 8082A	
				SW-846 8260C	
				SW-846 8270D	
AS-AOC8-SE-18	17H1544-10	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 6010C-D	
				SW-846 7471B	
				SW-846 8082A	
				SW-846 8260C	
				SW-846 8270D	

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ATTN: Malcolm Beeler

REPORT DATE: 10/13/2017

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 2170495

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 17H1544

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-AOC8-SE-19	17H1544-11	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 6010C-D	
				SW-846 7471B	
				SW-846 8082A	
				SW-846 8260C	
				SW-846 8270D	
WS-AOC8-SE-24	17H1544-12	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 6010C-D	
				SW-846 7471B	
				SW-846 8082A	
				SW-846 8260C	
				SW-846 8270D	
WS-AOC13-CO-26	17H1544-13	Soil		SW-846 8082A	
WS-AOC13-CO-27	17H1544-14	Soil		SW-846 8082A	
WS-AOC13-CO-29	17H1544-15	Soil		SW-846 8082A	
WS-AOC8-CO-16B	17H1544-16	Soil		SW-846 8082A	
WS-AOC8-CO-17B	17H1544-17	Soil		SW-846 8082A	
WS-AOC8-CO-18B	17H1544-18	Soil		SW-846 8082A	
WS-AOC8-CO-19B	17H1544-19	Soil		SW-846 8082A	
WS-AOC13-SE-Dup1	17H1544-20	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 6010C-D	
				SW-846 7471B	
				SW-846 8082A	
				SW-846 8260C	
				SW-846 8270D	

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CASE NARRATIVE SUMMARY

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

REPORT REVISED 10/13/17 sample IDs updated per client request
"WS-AOC8-CO-16" to "WS-AOC8-CO-16B"
"WS-AOC8-CO-17" to "WS-AOC8-CO-17B"
"WS-AOC8-CO-18" to "WS-AOC8-CO-18B"
"WS-AOC8-CO-19" to "WS-AOC8-CO-19B"

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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

17H1544-01[WS-AOC13-SE-26], 17H1544-03[WS-AOC13-SE-28], 17H1544-04[WS-AOC13-SE-29], 17H1544-05[WS-AOC13-SE-30], 17H1544-06[WS-AOC13-SE-31], 17H1544-07[WS-AOC3-SE-6], 17H1544-08[WS-AOC8-SE-16], 17H1544-09[WS-AOC8-SE-17], 17H1544-10[AS-AOC8-SE-18], 17H1544-12[WS-AOC8-SE-24], 17H1544-20[WS-AOC13-SE-Dup1]

SW-846 6010C-D

Qualifications:

DL-04

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

Analyte & Samples(s) Qualified:

Silver

17H1544-01[WS-AOC13-SE-26], 17H1544-03[WS-AOC13-SE-28], 17H1544-05[WS-AOC13-SE-30], 17H1544-06[WS-AOC13-SE-31], 17H1544-08[WS-AOC8-SE-16], 17H1544-09[WS-AOC8-SE-17], 17H1544-10[AS-AOC8-SE-18], 17H1544-11[WS-AOC8-SE-19], 17H1544-20[WS-AOC13-SE-Dup1]

SW-846 8082A

Qualifications:

MS-19

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

Analyte & Samples(s) Qualified:

Aroclor-1260

17H1544-01[WS-AOC13-SE-26], B185576-MS1, B185576-MSD1

Aroclor-1260 [2C]

17H1544-01[WS-AOC13-SE-26], B185576-MS1, B185576-MSD1

S-01

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

Analyte & Samples(s) Qualified:

Decachlorobiphenyl

17H1544-02[WS-AOC13-SE-27], 17H1544-06[WS-AOC13-SE-31], 17H1544-07[WS-AOC3-SE-6], 17H1544-08[WS-AOC8-SE-16], 17H1544-09[WS-AOC8-SE-17], 17H1544-10[AS-AOC8-SE-18], 17H1544-16[WS-AOC8-CO-16B]

Decachlorobiphenyl [2C]

17H1544-02[WS-AOC13-SE-27], 17H1544-06[WS-AOC13-SE-31], 17H1544-07[WS-AOC3-SE-6], 17H1544-08[WS-AOC8-SE-16], 17H1544-09[WS-AOC8-SE-17], 17H1544-10[AS-AOC8-SE-18], 17H1544-16[WS-AOC8-CO-16B]

Tetrachloro-m-xylene

17H1544-02[WS-AOC13-SE-27], 17H1544-06[WS-AOC13-SE-31], 17H1544-07[WS-AOC3-SE-6], 17H1544-08[WS-AOC8-SE-16], 17H1544-09[WS-AOC8-SE-17], 17H1544-10[AS-AOC8-SE-18], 17H1544-16[WS-AOC8-CO-16B]

Tetrachloro-m-xylene [2C]

17H1544-02[WS-AOC13-SE-27], 17H1544-06[WS-AOC13-SE-31], 17H1544-07[WS-AOC3-SE-6], 17H1544-08[WS-AOC8-SE-16], 17H1544-09[WS-AOC8-SE-17], 17H1544-10[AS-AOC8-SE-18], 17H1544-16[WS-AOC8-CO-16B]

SW-846 8260C

Qualifications:

L-01

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

Analyte & Samples(s) Qualified:

1,2-Dibromo-3-chloropropane (DB

B185016-BS1

Chloromethane

B185016-BS1

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V-16

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

Analyte & Samples(s) Qualified:

Tetrahydrofuran
17H1544-01[WS-AOC13-SE-26], 17H1544-02[WS-AOC13-SE-27], 17H1544-03[WS-AOC13-SE-28], 17H1544-04[WS-AOC13-SE-29], 17H1544-05[WS-AOC13-SE-30], 17H1544-06[WS-AOC13-SE-31], 17H1544-08[WS-AOC8-SE-16], 17H1544-09[WS-AOC8-SE-17], 17H1544-10[AS-AOC8-SE-18], 17H1544- 11[WS-AOC8-SE-19], 17H1544-20[WS-AOC13-SE-Dup1], B185200-BLK1, B185200-BS1, S015250-CCV1

SW-846 8270D

Qualifications:

E

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

Analyte & Samples(s) Qualified:

Acenaphthene
17H1544-09[WS-AOC8-SE-17], 17H1544-11[WS-AOC8-SE-19]

Anthracene
17H1544-09[WS-AOC8-SE-17], 17H1544-11[WS-AOC8-SE-19]

Benzo(a)anthracene
17H1544-03[WS-AOC13-SE-28], 17H1544-06[WS-AOC13-SE-31], 17H1544-08[WS-AOC8-SE-16], 17H1544-09[WS-AOC8-SE-17], 17H1544-10[AS-AOC8-SE-18], 17H1544-11[WS-AOC8-SE-19]

Benzo(a)pyrene
17H1544-03[WS-AOC13-SE-28], 17H1544-06[WS-AOC13-SE-31], 17H1544-09[WS-AOC8-SE-17], 17H1544-10[AS-AOC8-SE-18], 17H1544-11[WS-AOC8-SE-19]

Benzo(b)fluoranthene
17H1544-03[WS-AOC13-SE-28], 17H1544-04[WS-AOC13-SE-29], 17H1544-06[WS-AOC13-SE-31], 17H1544-08[WS-AOC8-SE-16], 17H1544-09[WS-AOC8-SE-17], 17H1544-10[AS-AOC8-SE-18], 17H1544-11[WS-AOC8-SE-19]

Benzo(g,h,i)perylene
17H1544-09[WS-AOC8-SE-17], 17H1544-10[AS-AOC8-SE-18], 17H1544-11[WS-AOC8-SE-19]

Benzo(k)fluoranthene
17H1544-09[WS-AOC8-SE-17], 17H1544-11[WS-AOC8-SE-19]

Carbazole
17H1544-11[WS-AOC8-SE-19]

Chrysene
17H1544-03[WS-AOC13-SE-28], 17H1544-04[WS-AOC13-SE-29], 17H1544-06[WS-AOC13-SE-31], 17H1544-08[WS-AOC8-SE-16], 17H1544-09[WS-AOC8-SE-17], 17H1544-10[AS-AOC8-SE-18], 17H1544-11[WS-AOC8-SE-19]

Dibenz(a,h)anthracene
17H1544-11[WS-AOC8-SE-19]

Fluoranthene
17H1544-03[WS-AOC13-SE-28], 17H1544-04[WS-AOC13-SE-29], 17H1544-05[WS-AOC13-SE-30], 17H1544-06[WS-AOC13-SE-31], 17H1544-08[WS-AOC8-SE-16], 17H1544-09[WS-AOC8-SE-17], 17H1544-10[AS-AOC8-SE-18], 17H1544- 11[WS-AOC8-SE-19], 17H1544-11RE1[WS-AOC8-SE-19]

Fluorene
17H1544-11[WS-AOC8-SE-19]

Indeno(1,2,3-cd)pyrene
17H1544-09[WS-AOC8-SE-17], 17H1544-10[AS-AOC8-SE-18], 17H1544-11[WS-AOC8-SE-19]

Phenanthrene
17H1544-03[WS-AOC13-SE-28], 17H1544-04[WS-AOC13-SE-29], 17H1544-06[WS-AOC13-SE-31], 17H1544-08[WS-AOC8-SE-16], 17H1544-09[WS-AOC8-SE-17], 17H1544-10[AS-AOC8-SE-18], 17H1544-11[WS-AOC8-SE-19]

Pyrene
17H1544-03[WS-AOC13-SE-28], 17H1544-04[WS-AOC13-SE-29], 17H1544-05[WS-AOC13-SE-30], 17H1544-06[WS-AOC13-SE-31], 17H1544-08[WS-AOC8-SE-16], 17H1544-09[WS-AOC8-SE-17], 17H1544-10[AS-AOC8-SE-18], 17H1544- 11[WS-AOC8-SE-19], 17H1544-11RE1[WS-AOC8-SE-19]

MS-08

Matrix spike 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)pyrene
B185495-MS1

Benzo(b)fluoranthene
B185495-MS1

Benzo(k)fluoranthene
B185495-MS1

Pentachlorophenol
B185495-MSD1

Phenanthrene
B185495-MSD1

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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:

Aniline
17H1544-05[WS-AOC13-SE-30], B185495-MS1, B185495-MSD1

Benzo(a)anthracene
17H1544-05[WS-AOC13-SE-30], B185495-MS1, B185495-MSD1

Benzo(g,h,i)perylene
17H1544-05[WS-AOC13-SE-30], B185495-MS1, B185495-MSD1

Chrysene
17H1544-05[WS-AOC13-SE-30], B185495-MS1, B185495-MSD1

Dibenz(a,h)anthracene
17H1544-05[WS-AOC13-SE-30], B185495-MS1, B185495-MSD1

Fluoranthene
17H1544-05[WS-AOC13-SE-30], B185495-MS1, B185495-MSD1

Hexachlorocyclopentadiene
17H1544-05[WS-AOC13-SE-30], B185495-MS1, B185495-MSD1

Hexachloroethane
17H1544-05[WS-AOC13-SE-30], B185495-MS1, B185495-MSD1

Indeno(1,2,3-cd)pyrene
17H1544-05[WS-AOC13-SE-30], B185495-MS1, B185495-MSD1

Pyrene
17H1544-05[WS-AOC13-SE-30], B185495-MS1, B185495-MSD1

Pyridine
17H1544-05[WS-AOC13-SE-30], B185495-MS1, B185495-MSD1

R-06

Matrix spike duplicate RPD is outside of control limits. Reduced precision is anticipated for reported result for this compound in this sample.

Analyte & Samples(s) Qualified:

Acenaphthene
17H1544-05[WS-AOC13-SE-30], B185495-MS1, B185495-MSD1

Anthracene
17H1544-05[WS-AOC13-SE-30], B185495-MS1, B185495-MSD1

Benzo(a)anthracene
17H1544-05[WS-AOC13-SE-30], B185495-MS1, B185495-MSD1

Benzo(a)pyrene
17H1544-05[WS-AOC13-SE-30], B185495-MS1, B185495-MSD1

Benzo(b)fluoranthene
17H1544-05[WS-AOC13-SE-30], B185495-MS1, B185495-MSD1

Benzo(k)fluoranthene
17H1544-05[WS-AOC13-SE-30], B185495-MS1, B185495-MSD1

Carbazole
17H1544-05[WS-AOC13-SE-30], B185495-MS1, B185495-MSD1

Chrysene
17H1544-05[WS-AOC13-SE-30], B185495-MS1, B185495-MSD1

Fluoranthene
17H1544-05[WS-AOC13-SE-30], B185495-MS1, B185495-MSD1

Indeno(1,2,3-cd)pyrene
17H1544-05[WS-AOC13-SE-30], B185495-MS1, B185495-MSD1

Phenanthrene
17H1544-05[WS-AOC13-SE-30], B185495-MS1, B185495-MSD1

Pyrene
17H1544-05[WS-AOC13-SE-30], B185495-MS1, B185495-MSD1

RL-12

Elevated reporting limit due to matrix interference.

Analyte & Samples(s) Qualified:

17H1544-03[WS-AOC13-SE-28], 17H1544-04[WS-AOC13-SE-29], 17H1544-05[WS-AOC13-SE-30], 17H1544-06[WS-AOC13-SE-31], 17H1544-07[WS-AOC3-SE-6], 17H1544-08[WS-AOC8-SE-16], 17H1544-09[WS-AOC8-SE-17], 17H1544-10[AS-AOC8-SE-18], 17H1544- 11[WS-AOC8-SE-19], 17H1544-12[WS-AOC8-SE-24], 17H1544-20[WS-AOC13-SE-Dup1]

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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:

2,4,6-Tribromophenol
17H1544-09RE1[WS-AOC8-SE-17], 17H1544-11RE2[WS-AOC8-SE-19]

2-Fluorobiphenyl
17H1544-09RE1[WS-AOC8-SE-17], 17H1544-11RE2[WS-AOC8-SE-19]

2-Fluorophenol
17H1544-09RE1[WS-AOC8-SE-17], 17H1544-11RE2[WS-AOC8-SE-19]

Nitrobenzene-d5
17H1544-09RE1[WS-AOC8-SE-17], 17H1544-11RE2[WS-AOC8-SE-19]

Phenol-d6
17H1544-09RE1[WS-AOC8-SE-17], 17H1544-11RE2[WS-AOC8-SE-19]

p-Terphenyl-d14
17H1544-09RE1[WS-AOC8-SE-17], 17H1544-11RE2[WS-AOC8-SE-19]

V-05

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

Analyte & Samples(s) Qualified:

Hexachlorocyclopentadiene
17H1544-03RE1[WS-AOC13-SE-28], 17H1544-04RE1[WS-AOC13-SE-29], 17H1544-05RE1[WS-AOC13-SE-30], 17H1544-06RE1[WS-AOC13-SE-31], 17H1544-08RE1[WS-AOC8-SE-16], 17H1544-09RE1[WS-AOC8-SE-17], 17H1544-10RE1[AS-AOC8-SE-18], 17H1544- 11RE1[WS-AOC8-SE-19], 17H1544-11RE2[WS-AOC8-SE-19], 17H1544-12[WS-AOC8-SE-24]

V-16

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

Analyte & Samples(s) Qualified:

Pentachloronitrobenzene
17H1544-01[WS-AOC13-SE-26], 17H1544-02[WS-AOC13-SE-27], 17H1544-03[WS-AOC13-SE-28], 17H1544-03RE1[WS-AOC13-SE-28], 17H1544-04[WS-AOC13-SE-29], 17H1544-04RE1[WS-AOC13-SE-29], 17H1544-05[WS-AOC13-SE-30], 17H1544-05RE1[WS-AOC13-SE-30], 17H1544-06[WS-AOC13-SE-31], 17H1544-06RE1[WS-AOC13-SE-31], 17H1544-07[WS-AOC3-SE-6], 17H1544-08[WS-AOC8-SE-16], 17H1544-08RE1[WS-AOC8-SE-16], 17H1544-09[WS-AOC8-SE-17], 17H1544-09RE1[WS-AOC8-SE-17], 17H1544-10[AS-AOC8-SE-18], 17H1544-10RE1[AS-AOC8-SE-18], 17H1544- 11[WS-AOC8-SE-19], 17H1544-11RE1[WS-AOC8-SE-19], 17H1544-11RE2[WS-AOC8-SE-19], 17H1544-12[WS-AOC8-SE-24], 17H1544-20[WS-AOC13-SE-Dup1], B185495-BLK1, B185495-BS1, B185495-BSD1, B185495-MS1, B185495-MSD1

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

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

SW-846 8270D

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

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

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

James M. Georgantas
Project Management Supervisor

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-26 Sampled: 8/29/2017 09:00

Sample ID: 17H1544-01

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	0.087	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
Acrylonitrile	ND	0.0052	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
Benzene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
Bromobenzene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
Bromodichloromethane	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
Bromoform	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
Bromomethane	ND	0.0087	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
2-Butanone (MEK)	ND	0.035	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
n-Butylbenzene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
sec-Butylbenzene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
tert-Butylbenzene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
Carbon Disulfide	ND	0.0052	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
Carbon Tetrachloride	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
Chlorobenzene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
Chlorodibromomethane	ND	0.00087	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
Chloroethane	ND	0.017	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
Chloroform	ND	0.0035	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
Chloromethane	ND	0.0087	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
2-Chlorotoluene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
4-Chlorotoluene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
1,2-Dibromoethane (EDB)	ND	0.00087	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
Dibromomethane	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
1,2-Dichlorobenzene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
1,3-Dichlorobenzene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
1,4-Dichlorobenzene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
trans-1,4-Dichloro-2-butene	ND	0.0035	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.017	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
1,1-Dichloroethane	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
1,2-Dichloroethane	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
1,1-Dichloroethylene	ND	0.0035	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
cis-1,2-Dichloroethylene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
trans-1,2-Dichloroethylene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
1,2-Dichloropropane	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
1,3-Dichloropropane	ND	0.00087	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
2,2-Dichloropropane	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
1,1-Dichloropropene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
cis-1,3-Dichloropropene	ND	0.00087	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
trans-1,3-Dichloropropene	ND	0.00087	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
Ethylbenzene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
Hexachlorobutadiene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
2-Hexanone (MBK)	ND	0.017	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
Isopropylbenzene (Cumene)	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-26 Sampled: 8/29/2017 09:00

Sample ID: 17H1544-01

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	0.0035	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
Methylene Chloride	ND	0.017	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.017	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
Naphthalene	ND	0.0035	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
n-Propylbenzene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
Styrene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
1,1,1,2-Tetrachloroethane	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
1,1,2,2-Tetrachloroethane	ND	0.0035	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
Tetrachloroethylene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
Tetrahydrofuran	ND	0.0087	mg/Kg dry	1	V-16	SW-846 8260C	8/30/17	8/30/17 7:26	MFF
Toluene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
1,2,3-Trichlorobenzene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
1,2,4-Trichlorobenzene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
1,1,1-Trichloroethane	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
1,1,2-Trichloroethane	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
Trichloroethylene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
Trichlorofluoromethane (Freon 11)	ND	0.0087	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
1,2,3-Trichloropropane	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0087	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
1,2,4-Trimethylbenzene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
1,3,5-Trimethylbenzene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
Vinyl Chloride	ND	0.0087	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
m+p Xylene	ND	0.0035	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
o-Xylene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	106	70-130		8/30/17 7:26
Toluene-d8	104	70-130		8/30/17 7:26
4-Bromofluorobenzene	99.5	70-130		8/30/17 7:26

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-26 Sampled: 8/29/2017 09:00

Sample ID: 17H1544-01

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.19	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
Acenaphthylene	ND	0.19	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
Aniline	ND	0.39	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
Anthracene	ND	0.19	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
Benzo(a)anthracene	0.36	0.19	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
Benzo(a)pyrene	0.50	0.19	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
Benzo(b)fluoranthene	0.73	0.19	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
Benzo(g,h,i)perylene	0.52	0.19	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
Benzo(k)fluoranthene	0.27	0.19	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
Bis(2-chloroethoxy)methane	ND	0.39	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
Bis(2-chloroethyl)ether	ND	0.39	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
Bis(2-chloroisopropyl)ether	ND	0.39	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
Bis(2-Ethylhexyl)phthalate	ND	0.39	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
4-Bromophenylphenylether	ND	0.39	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
Butylbenzylphthalate	ND	0.39	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
Carbazole	ND	0.19	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
4-Chloroaniline	ND	0.75	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
4-Chloro-3-methylphenol	ND	0.75	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
2-Chloronaphthalene	ND	0.39	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
2-Chlorophenol	ND	0.39	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
4-Chlorophenylphenylether	ND	0.39	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
Chrysene	0.47	0.19	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
Dibenz(a,h)anthracene	ND	0.19	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
Dibenzofuran	ND	0.39	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
Di-n-butylphthalate	ND	0.39	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
3,3-Dichlorobenzidine	ND	0.19	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
2,4-Dichlorophenol	ND	0.39	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
Diethylphthalate	ND	0.39	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
2,4-Dimethylphenol	ND	0.39	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
Dimethylphthalate	ND	0.39	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
4,6-Dinitro-2-methylphenol	ND	0.39	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
2,4-Dinitrophenol	ND	0.75	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
2,4-Dinitrotoluene	ND	0.39	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
2,6-Dinitrotoluene	ND	0.39	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
Di-n-octylphthalate	ND	0.39	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
Fluoranthene	0.60	0.19	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
Fluorene	ND	0.19	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
Hexachlorobenzene	ND	0.39	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
Hexachlorobutadiene	ND	0.39	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
Hexachlorocyclopentadiene	ND	0.39	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
Hexachloroethane	ND	0.39	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
Indeno(1,2,3-cd)pyrene	0.46	0.19	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
Isophorone	ND	0.39	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
2-Methylnaphthalene	ND	0.19	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-26 Sampled: 8/29/2017 09:00

Sample ID: 17H1544-01

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Methylphenol	ND	0.39	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
3/4-Methylphenol	ND	0.39	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
Naphthalene	ND	0.19	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
2-Nitroaniline	ND	0.39	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
3-Nitroaniline	ND	0.39	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
4-Nitroaniline	ND	0.39	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
Nitrobenzene	ND	0.39	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
2-Nitrophenol	ND	0.39	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
4-Nitrophenol	ND	0.75	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
N-Nitrosodiphenylamine	ND	0.39	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
N-Nitrosodi-n-propylamine	ND	0.39	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
Pentachloronitrobenzene	ND	0.39	mg/Kg dry	1	V-16	SW-846 8270D	9/5/17	9/6/17 20:28	BGL
Pentachlorophenol	ND	0.39	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
Phenanthrene	ND	0.19	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
Phenol	ND	0.39	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
Pyrene	0.61	0.19	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
Pyridine	ND	0.39	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
1,2,4,5-Tetrachlorobenzene	ND	0.39	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
1,2,4-Trichlorobenzene	ND	0.39	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
2,4,5-Trichlorophenol	ND	0.39	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
2,4,6-Trichlorophenol	ND	0.39	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	60.4	30-130		9/6/17 20:28
Phenol-d6	62.3	30-130		9/6/17 20:28
Nitrobenzene-d5	64.9	30-130		9/6/17 20:28
2-Fluorobiphenyl	64.5	30-130		9/6/17 20:28
2,4,6-Tribromophenol	73.9	30-130		9/6/17 20:28
p-Terphenyl-d14	71.8	30-130		9/6/17 20:28

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-26 Sampled: 8/29/2017 09:00

Sample ID: 17H1544-01

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	0.46	mg/Kg dry	20		SW-846 8082A	9/6/17	9/9/17 23:03	TG
Aroclor-1221 [1]	ND	0.46	mg/Kg dry	20		SW-846 8082A	9/6/17	9/9/17 23:03	TG
Aroclor-1232 [1]	ND	0.46	mg/Kg dry	20		SW-846 8082A	9/6/17	9/9/17 23:03	TG
Aroclor-1242 [1]	ND	0.46	mg/Kg dry	20		SW-846 8082A	9/6/17	9/9/17 23:03	TG
Aroclor-1248 [1]	ND	0.46	mg/Kg dry	20		SW-846 8082A	9/6/17	9/9/17 23:03	TG
Aroclor-1254 [1]	ND	0.46	mg/Kg dry	20		SW-846 8082A	9/6/17	9/9/17 23:03	TG
Aroclor-1260 [1]	1.7	0.46	mg/Kg dry	20	MS-19	SW-846 8082A	9/6/17	9/9/17 23:03	TG
Aroclor-1262 [1]	ND	0.46	mg/Kg dry	20		SW-846 8082A	9/6/17	9/9/17 23:03	TG
Aroclor-1268 [1]	ND	0.46	mg/Kg dry	20		SW-846 8082A	9/6/17	9/9/17 23:03	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	101	30-150		9/9/17 23:03
Decachlorobiphenyl [2]	113	30-150		9/9/17 23:03
Tetrachloro-m-xylene [1]	93.7	30-150		9/9/17 23:03
Tetrachloro-m-xylene [2]	104	30-150		9/9/17 23:03

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-26 Sampled: 8/29/2017 09:00

Sample ID: 17H1544-01

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	900	230	mg/Kg dry	20		CTDEP ETPH	9/5/17	9/7/17 18:21	PJG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
o-Terphenyl	*	50-150	S-01	9/7/17 18:21

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-26 Sampled: 8/29/2017 09:00

Sample ID: 17H1544-01

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	16	2.7	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 16:38	QNW
Arsenic	26	2.7	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:15	QNW
Barium	66	2.7	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:15	QNW
Beryllium	ND	0.27	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 16:38	QNW
Cadmium	1.9	0.27	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 16:38	QNW
Chromium	74	0.55	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:15	QNW
Copper	360	0.55	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 16:38	QNW
Lead	190	0.82	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:15	QNW
Mercury	0.12	0.028	mg/Kg dry	1		SW-846 7471B	8/30/17	9/5/17 14:08	TJK
Nickel	110	0.55	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:15	QNW
Selenium	ND	5.5	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 16:38	QNW
Silver	ND	2.7	mg/Kg dry	5	DL-04	SW-846 6010C-D	9/5/17	9/11/17 15:03	QNW
Thallium	ND	2.7	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/11/17 15:08	QNW
Vanadium	380	1.1	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:15	QNW
Zinc	310	1.1	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:15	QNW

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-26 Sampled: 8/29/2017 09:00

Sample ID: 17H1544-01

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	87.8		% Wt	1		SM 2540G	8/31/17	9/1/17 8:37	MRL

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-27 Sampled: 8/29/2017 09:30

Sample ID: 17H1544-02

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	0.15	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
Acrylonitrile	ND	0.0091	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
Benzene	ND	0.0030	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
Bromobenzene	ND	0.0030	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
Bromodichloromethane	ND	0.0030	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
Bromoform	ND	0.0030	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
Bromomethane	ND	0.015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
2-Butanone (MEK)	ND	0.061	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
n-Butylbenzene	ND	0.0030	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
sec-Butylbenzene	ND	0.0030	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
tert-Butylbenzene	ND	0.0030	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
Carbon Disulfide	ND	0.0091	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
Carbon Tetrachloride	ND	0.0030	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
Chlorobenzene	ND	0.0030	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
Chlorodibromomethane	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
Chloroethane	ND	0.030	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
Chloroform	ND	0.0061	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
Chloromethane	ND	0.015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
2-Chlorotoluene	ND	0.0030	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
4-Chlorotoluene	ND	0.0030	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0030	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
1,2-Dibromoethane (EDB)	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
Dibromomethane	ND	0.0030	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
1,2-Dichlorobenzene	ND	0.0030	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
1,3-Dichlorobenzene	ND	0.0030	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
1,4-Dichlorobenzene	ND	0.0030	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
trans-1,4-Dichloro-2-butene	ND	0.0061	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.030	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
1,1-Dichloroethane	ND	0.0030	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
1,2-Dichloroethane	ND	0.0030	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
1,1-Dichloroethylene	ND	0.0061	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
cis-1,2-Dichloroethylene	ND	0.0030	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
trans-1,2-Dichloroethylene	ND	0.0030	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
1,2-Dichloropropane	ND	0.0030	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
1,3-Dichloropropane	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
2,2-Dichloropropane	ND	0.0030	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
1,1-Dichloropropene	ND	0.0030	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
cis-1,3-Dichloropropene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
trans-1,3-Dichloropropene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
Ethylbenzene	ND	0.0030	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
Hexachlorobutadiene	ND	0.0030	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
2-Hexanone (MBK)	ND	0.030	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
Isopropylbenzene (Cumene)	ND	0.0030	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0030	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-27 Sampled: 8/29/2017 09:30

Sample ID: 17H1544-02

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	0.0061	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
Methylene Chloride	ND	0.030	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.030	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
Naphthalene	ND	0.0061	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
n-Propylbenzene	ND	0.0030	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
Styrene	ND	0.0030	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
1,1,1,2-Tetrachloroethane	ND	0.0030	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
1,1,2,2-Tetrachloroethane	ND	0.0061	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
Tetrachloroethylene	ND	0.0030	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
Tetrahydrofuran	ND	0.015	mg/Kg dry	1	V-16	SW-846 8260C	8/30/17	8/30/17 7:55	MFF
Toluene	ND	0.0030	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
1,2,3-Trichlorobenzene	ND	0.0030	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
1,2,4-Trichlorobenzene	ND	0.0030	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
1,1,1-Trichloroethane	ND	0.0030	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
1,1,2-Trichloroethane	ND	0.0030	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
Trichloroethylene	ND	0.0030	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
Trichlorofluoromethane (Freon 11)	ND	0.015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
1,2,3-Trichloropropane	ND	0.0030	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
1,2,4-Trimethylbenzene	ND	0.0030	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
1,3,5-Trimethylbenzene	ND	0.0030	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
Vinyl Chloride	ND	0.015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
m+p Xylene	ND	0.0061	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
o-Xylene	ND	0.0030	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	113	70-130		8/30/17 7:55
Toluene-d8	103	70-130		8/30/17 7:55
4-Bromofluorobenzene	101	70-130		8/30/17 7:55

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-27 Sampled: 8/29/2017 09:30

Sample ID: 17H1544-02

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	0.28	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
Acenaphthylene	ND	0.28	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
Aniline	ND	0.56	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
Anthracene	ND	0.28	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
Benzo(a)anthracene	2.0	0.28	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
Benzo(a)pyrene	2.3	0.28	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
Benzo(b)fluoranthene	3.2	0.28	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
Benzo(g,h,i)perylene	1.7	0.28	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
Benzo(k)fluoranthene	1.2	0.28	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
Bis(2-chloroethoxy)methane	ND	0.56	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
Bis(2-chloroethyl)ether	ND	0.56	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
Bis(2-chloroisopropyl)ether	ND	0.56	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
Bis(2-Ethylhexyl)phthalate	ND	0.56	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
4-Bromophenylphenylether	ND	0.56	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
Butylbenzylphthalate	ND	0.56	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
Carbazole	ND	0.28	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
4-Chloroaniline	ND	1.1	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
4-Chloro-3-methylphenol	ND	1.1	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
2-Chloronaphthalene	ND	0.56	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
2-Chlorophenol	ND	0.56	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
4-Chlorophenylphenylether	ND	0.56	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
Chrysene	2.3	0.28	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
Dibenz(a,h)anthracene	0.44	0.28	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
Dibenzofuran	ND	0.56	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
Di-n-butylphthalate	ND	0.56	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
3,3-Dichlorobenzidine	ND	0.28	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
2,4-Dichlorophenol	ND	0.56	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
Diethylphthalate	ND	0.56	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
2,4-Dimethylphenol	ND	0.56	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
Dimethylphthalate	ND	0.56	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
4,6-Dinitro-2-methylphenol	ND	0.56	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
2,4-Dinitrophenol	ND	1.1	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
2,4-Dinitrotoluene	ND	0.56	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
2,6-Dinitrotoluene	ND	0.56	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
Di-n-octylphthalate	ND	0.56	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
Fluoranthene	3.6	0.28	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
Fluorene	ND	0.28	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
Hexachlorobenzene	ND	0.56	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
Hexachlorobutadiene	ND	0.56	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
Hexachlorocyclopentadiene	ND	0.56	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
Hexachloroethane	ND	0.56	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
Indeno(1,2,3-cd)pyrene	1.8	0.28	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
Isophorone	ND	0.56	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
2-Methylnaphthalene	ND	0.28	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-27 Sampled: 8/29/2017 09:30

Sample ID: 17H1544-02

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Methylphenol	ND	0.56	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
3/4-Methylphenol	ND	0.56	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
Naphthalene	ND	0.28	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
2-Nitroaniline	ND	0.56	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
3-Nitroaniline	ND	0.56	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
4-Nitroaniline	ND	0.56	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
Nitrobenzene	ND	0.56	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
2-Nitrophenol	ND	0.56	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
4-Nitrophenol	ND	1.1	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
N-Nitrosodiphenylamine	ND	0.56	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
N-Nitrosodi-n-propylamine	ND	0.56	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
Pentachloronitrobenzene	ND	0.56	mg/Kg dry	1	V-16	SW-846 8270D	9/5/17	9/6/17 20:52	BGL
Pentachlorophenol	ND	0.56	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
Phenanthrene	0.93	0.28	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
Phenol	ND	0.56	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
Pyrene	3.5	0.28	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
Pyridine	ND	0.56	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
1,2,4,5-Tetrachlorobenzene	ND	0.56	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
1,2,4-Trichlorobenzene	ND	0.56	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
2,4,5-Trichlorophenol	ND	0.56	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
2,4,6-Trichlorophenol	ND	0.56	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	50.2	30-130		9/6/17 20:52
Phenol-d6	52.6	30-130		9/6/17 20:52
Nitrobenzene-d5	58.0	30-130		9/6/17 20:52
2-Fluorobiphenyl	57.9	30-130		9/6/17 20:52
2,4,6-Tribromophenol	65.0	30-130		9/6/17 20:52
p-Terphenyl-d14	66.7	30-130		9/6/17 20:52

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-27 Sampled: 8/29/2017 09:30

Sample ID: 17H1544-02

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	1.3	mg/Kg dry	40		SW-846 8082A	9/6/17	9/9/17 23:15	TG
Aroclor-1221 [1]	ND	1.3	mg/Kg dry	40		SW-846 8082A	9/6/17	9/9/17 23:15	TG
Aroclor-1232 [1]	ND	1.3	mg/Kg dry	40		SW-846 8082A	9/6/17	9/9/17 23:15	TG
Aroclor-1242 [1]	ND	1.3	mg/Kg dry	40		SW-846 8082A	9/6/17	9/9/17 23:15	TG
Aroclor-1248 [1]	ND	1.3	mg/Kg dry	40		SW-846 8082A	9/6/17	9/9/17 23:15	TG
Aroclor-1254 [1]	ND	1.3	mg/Kg dry	40		SW-846 8082A	9/6/17	9/9/17 23:15	TG
Aroclor-1260 [1]	5.0	1.3	mg/Kg dry	40		SW-846 8082A	9/6/17	9/9/17 23:15	TG
Aroclor-1262 [1]	ND	1.3	mg/Kg dry	40		SW-846 8082A	9/6/17	9/9/17 23:15	TG
Aroclor-1268 [1]	ND	1.3	mg/Kg dry	40		SW-846 8082A	9/6/17	9/9/17 23:15	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	*	30-150	S-01	9/9/17 23:15
Decachlorobiphenyl [2]	*	30-150	S-01	9/9/17 23:15
Tetrachloro-m-xylene [1]	*	30-150	S-01	9/9/17 23:15
Tetrachloro-m-xylene [2]	*	30-150	S-01	9/9/17 23:15

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-27 Sampled: 8/29/2017 09:30

Sample ID: 17H1544-02

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	210	170	mg/Kg dry	10		CTDEP ETPH	9/5/17	9/8/17 16:29	PJG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
o-Terphenyl	64.1	50-150		9/8/17 16:29

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-27 Sampled: 8/29/2017 09:30

Sample ID: 17H1544-02

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	6.2	4.1	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 16:42	QNW
Arsenic	15	4.1	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:21	QNW
Barium	180	4.1	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:21	QNW
Beryllium	ND	0.41	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 16:42	QNW
Cadmium	3.7	0.41	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 16:42	QNW
Chromium	47	0.81	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:21	QNW
Copper	650	0.81	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 16:42	QNW
Lead	310	1.2	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:21	QNW
Mercury	0.83	0.084	mg/Kg dry	2		SW-846 7471B	8/30/17	9/6/17 13:14	TJK
Nickel	160	0.81	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:21	QNW
Selenium	37	8.1	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 16:42	QNW
Silver	ND	0.81	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:21	QNW
Thallium	ND	4.1	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:21	QNW
Vanadium	450	1.6	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:21	QNW
Zinc	1000	1.6	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:21	QNW

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-27 Sampled: 8/29/2017 09:30

Sample ID: 17H1544-02

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	60.2		% Wt	1		SM 2540G	8/31/17	9/1/17 8:37	MRL

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-28 Sampled: 8/29/2017 09:45

Sample ID: 17H1544-03

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	0.079	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
Acrylonitrile	ND	0.0047	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
Benzene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
Bromobenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
Bromodichloromethane	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
Bromoform	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
Bromomethane	ND	0.0079	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
2-Butanone (MEK)	ND	0.031	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
n-Butylbenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
sec-Butylbenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
tert-Butylbenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
Carbon Disulfide	ND	0.0047	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
Carbon Tetrachloride	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
Chlorobenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
Chlorodibromomethane	ND	0.00079	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
Chloroethane	ND	0.016	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
Chloroform	ND	0.0031	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
Chloromethane	ND	0.0079	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
2-Chlorotoluene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
4-Chlorotoluene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
1,2-Dibromoethane (EDB)	ND	0.00079	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
Dibromomethane	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
1,2-Dichlorobenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
1,3-Dichlorobenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
1,4-Dichlorobenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
trans-1,4-Dichloro-2-butene	ND	0.0031	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.016	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
1,1-Dichloroethane	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
1,2-Dichloroethane	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
1,1-Dichloroethylene	ND	0.0031	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
cis-1,2-Dichloroethylene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
trans-1,2-Dichloroethylene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
1,2-Dichloropropane	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
1,3-Dichloropropane	ND	0.00079	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
2,2-Dichloropropane	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
1,1-Dichloropropene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
cis-1,3-Dichloropropene	ND	0.00079	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
trans-1,3-Dichloropropene	ND	0.00079	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
Ethylbenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
Hexachlorobutadiene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
2-Hexanone (MBK)	ND	0.016	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
Isopropylbenzene (Cumene)	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF

con-test® ANALYTICAL LABORATORY

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-28 Sampled: 8/29/2017 09:45

Sample ID: 17H1544-03

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	0.0031	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
Methylene Chloride	ND	0.016	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.016	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
Naphthalene	ND	0.0031	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
n-Propylbenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
Styrene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
1,1,1,2-Tetrachloroethane	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
1,1,2,2-Tetrachloroethane	ND	0.0031	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
Tetrachloroethylene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
Tetrahydrofuran	ND	0.0079	mg/Kg dry	1	V-16	SW-846 8260C	8/30/17	8/30/17 8:23	MFF
Toluene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
1,2,3-Trichlorobenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
1,2,4-Trichlorobenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
1,1,1-Trichloroethane	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
1,1,2-Trichloroethane	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
Trichloroethylene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
Trichlorofluoromethane (Freon 11)	ND	0.0079	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
1,2,3-Trichloropropane	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0079	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
1,2,4-Trimethylbenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
1,3,5-Trimethylbenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
Vinyl Chloride	ND	0.0079	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
m+p Xylene	ND	0.0031	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
o-Xylene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	106	70-130		8/30/17 8:23
Toluene-d8	104	70-130		8/30/17 8:23
4-Bromofluorobenzene	98.3	70-130		8/30/17 8:23

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-28 Sampled: 8/29/2017 09:45

Sample ID: 17H1544-03

Sample Matrix: Soil

Sample Flags: RL-12

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	2.1	0.37	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
Acenaphthene	ND	3.7	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
Acenaphthylene	ND	0.37	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
Acenaphthylene	ND	3.7	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
Aniline	ND	0.75	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
Aniline	ND	7.5	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
Anthracene	4.8	0.37	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
Anthracene	5.5	3.7	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
Benzo(a)anthracene	21	0.37	mg/Kg dry	2	E	SW-846 8270D	9/5/17	9/6/17 21:16	BGL
Benzo(a)anthracene	23	3.7	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
Benzo(a)pyrene	15	0.37	mg/Kg dry	2	E	SW-846 8270D	9/5/17	9/6/17 21:16	BGL
Benzo(a)pyrene	16	3.7	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
Benzo(b)fluoranthene	22	0.37	mg/Kg dry	2	E	SW-846 8270D	9/5/17	9/6/17 21:16	BGL
Benzo(b)fluoranthene	24	3.7	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
Benzo(g,h,i)perylene	7.5	0.37	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
Benzo(g,h,i)perylene	7.9	3.7	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
Benzo(k)fluoranthene	8.4	0.37	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
Benzo(k)fluoranthene	9.9	3.7	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
Bis(2-chloroethoxy)methane	ND	0.75	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
Bis(2-chloroethoxy)methane	ND	7.5	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
Bis(2-chloroethyl)ether	ND	0.75	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
Bis(2-chloroethyl)ether	ND	7.5	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
Bis(2-chloroisopropyl)ether	ND	0.75	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
Bis(2-chloroisopropyl)ether	ND	7.5	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
Bis(2-Ethylhexyl)phthalate	ND	0.75	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
Bis(2-Ethylhexyl)phthalate	ND	7.5	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
4-Bromophenylphenylether	ND	0.75	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
4-Bromophenylphenylether	ND	7.5	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
Butylbenzylphthalate	ND	0.75	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
Butylbenzylphthalate	ND	7.5	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
Carbazole	5.6	0.37	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
Carbazole	6.2	3.7	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
4-Chloroaniline	ND	1.4	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
4-Chloroaniline	ND	14	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
4-Chloro-3-methylphenol	ND	1.4	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
4-Chloro-3-methylphenol	ND	14	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
2-Chloronaphthalene	ND	0.75	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
2-Chloronaphthalene	ND	7.5	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
2-Chlorophenol	ND	0.75	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
2-Chlorophenol	ND	7.5	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
4-Chlorophenylphenylether	ND	0.75	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
4-Chlorophenylphenylether	ND	7.5	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
Chrysene	22	0.37	mg/Kg dry	2	E	SW-846 8270D	9/5/17	9/6/17 21:16	BGL
Chrysene	25	3.7	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-28 Sampled: 8/29/2017 09:45

Sample ID: 17H1544-03

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Dibenz(a,h)anthracene	2.0	0.37	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
Dibenz(a,h)anthracene	ND	3.7	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
Dibenzofuran	1.6	0.75	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
Dibenzofuran	ND	7.5	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
Di-n-butylphthalate	ND	0.75	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
Di-n-butylphthalate	ND	7.5	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
3,3-Dichlorobenzidine	ND	0.37	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
3,3-Dichlorobenzidine	ND	3.7	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
2,4-Dichlorophenol	ND	0.75	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
2,4-Dichlorophenol	ND	7.5	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
Diethylphthalate	ND	0.75	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
Diethylphthalate	ND	7.5	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
2,4-Dimethylphenol	ND	0.75	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
2,4-Dimethylphenol	ND	7.5	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
Dimethylphthalate	ND	0.75	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
Dimethylphthalate	ND	7.5	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
4,6-Dinitro-2-methylphenol	ND	0.75	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
4,6-Dinitro-2-methylphenol	ND	7.5	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
2,4-Dinitrophenol	ND	1.4	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
2,4-Dinitrophenol	ND	14	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
2,4-Dinitrotoluene	ND	0.75	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
2,4-Dinitrotoluene	ND	7.5	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
2,6-Dinitrotoluene	ND	0.75	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
2,6-Dinitrotoluene	ND	7.5	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
Di-n-octylphthalate	ND	0.75	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
Di-n-octylphthalate	ND	7.5	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
Fluoranthene	67	0.37	mg/Kg dry	2	E	SW-846 8270D	9/5/17	9/6/17 21:16	BGL
Fluoranthene	71	3.7	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
Fluorene	1.5	0.37	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
Fluorene	ND	3.7	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
Hexachlorobenzene	ND	0.75	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
Hexachlorobenzene	ND	7.5	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
Hexachlorobutadiene	ND	0.75	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
Hexachlorobutadiene	ND	7.5	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
Hexachlorocyclopentadiene	ND	0.75	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
Hexachlorocyclopentadiene	ND	7.5	mg/Kg dry	20	V-05	SW-846 8270D	9/5/17	9/7/17 13:45	BGL
Hexachloroethane	ND	0.75	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
Hexachloroethane	ND	7.5	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
Indeno(1,2,3-cd)pyrene	8.7	0.37	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
Indeno(1,2,3-cd)pyrene	8.9	3.7	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
Isophorone	ND	0.75	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
Isophorone	ND	7.5	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
2-Methylnaphthalene	0.41	0.37	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
2-Methylnaphthalene	ND	3.7	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-28 Sampled: 8/29/2017 09:45

Sample ID: 17H1544-03

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Methylphenol	ND	0.75	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
2-Methylphenol	ND	7.5	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
3/4-Methylphenol	ND	0.75	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
3/4-Methylphenol	ND	7.5	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
Naphthalene	1.2	0.37	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
Naphthalene	ND	3.7	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
2-Nitroaniline	ND	0.75	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
2-Nitroaniline	ND	7.5	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
3-Nitroaniline	ND	0.75	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
3-Nitroaniline	ND	7.5	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
4-Nitroaniline	ND	0.75	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
4-Nitroaniline	ND	7.5	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
Nitrobenzene	ND	0.75	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
Nitrobenzene	ND	7.5	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
2-Nitrophenol	ND	0.75	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
2-Nitrophenol	ND	7.5	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
4-Nitrophenol	ND	1.4	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
4-Nitrophenol	ND	14	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
N-Nitrosodiphenylamine	ND	0.75	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
N-Nitrosodiphenylamine	ND	7.5	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
N-Nitrosodi-n-propylamine	ND	0.75	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
N-Nitrosodi-n-propylamine	ND	7.5	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
Pentachloronitrobenzene	ND	0.75	mg/Kg dry	2	V-16	SW-846 8270D	9/5/17	9/6/17 21:16	BGL
Pentachloronitrobenzene	ND	7.5	mg/Kg dry	20	V-16	SW-846 8270D	9/5/17	9/7/17 13:45	BGL
Pentachlorophenol	ND	0.75	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
Pentachlorophenol	ND	7.5	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
Phenanthrene	45	0.37	mg/Kg dry	2	E	SW-846 8270D	9/5/17	9/6/17 21:16	BGL
Phenanthrene	46	3.7	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
Phenol	ND	0.75	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
Phenol	ND	7.5	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
Pyrene	61	0.37	mg/Kg dry	2	E	SW-846 8270D	9/5/17	9/6/17 21:16	BGL
Pyrene	56	3.7	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
Pyridine	ND	0.75	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
Pyridine	ND	7.5	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
1,2,4,5-Tetrachlorobenzene	ND	0.75	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
1,2,4,5-Tetrachlorobenzene	ND	7.5	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
1,2,4-Trichlorobenzene	ND	0.75	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
1,2,4-Trichlorobenzene	ND	7.5	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
2,4,5-Trichlorophenol	ND	0.75	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
2,4,5-Trichlorophenol	ND	7.5	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
2,4,6-Trichlorophenol	ND	0.75	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
2,4,6-Trichlorophenol	ND	7.5	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	57.5	30-130		9/6/17 21:16

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-28 Sampled: 8/29/2017 09:45

Sample ID: 17H1544-03

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Surrogates		**% Recovery**	**Recovery Limits**		**Flag/Qual**				
2-Fluorophenol		68.1	30-130					9/7/17 13:45	
Phenol-d6		57.6	30-130					9/6/17 21:16	
Phenol-d6		66.6	30-130					9/7/17 13:45	
Nitrobenzene-d5		64.2	30-130					9/6/17 21:16	
Nitrobenzene-d5		76.0	30-130					9/7/17 13:45	
2-Fluorobiphenyl		59.5	30-130					9/6/17 21:16	
2-Fluorobiphenyl		66.6	30-130					9/7/17 13:45	
2,4,6-Tribromophenol		69.0	30-130					9/6/17 21:16	
2,4,6-Tribromophenol		74.3	30-130					9/7/17 13:45	
p-Terphenyl-d14		69.3	30-130					9/6/17 21:16	
p-Terphenyl-d14		72.6	30-130					9/7/17 13:45	

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-28 Sampled: 8/29/2017 09:45

Sample ID: 17H1544-03

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	9/6/17	9/9/17 23:28	TG
Aroclor-1221 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	9/6/17	9/9/17 23:28	TG
Aroclor-1232 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	9/6/17	9/9/17 23:28	TG
Aroclor-1242 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	9/6/17	9/9/17 23:28	TG
Aroclor-1248 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	9/6/17	9/9/17 23:28	TG
Aroclor-1254 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	9/6/17	9/9/17 23:28	TG
Aroclor-1260 [2]	0.26	0.087	mg/Kg dry	4		SW-846 8082A	9/6/17	9/9/17 23:28	TG
Aroclor-1262 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	9/6/17	9/9/17 23:28	TG
Aroclor-1268 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	9/6/17	9/9/17 23:28	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	91.8	30-150		9/9/17 23:28
Decachlorobiphenyl [2]	98.3	30-150		9/9/17 23:28
Tetrachloro-m-xylene [1]	91.9	30-150		9/9/17 23:28
Tetrachloro-m-xylene [2]	95.9	30-150		9/9/17 23:28

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-28 Sampled: 8/29/2017 09:45

Sample ID: 17H1544-03

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	720	550	mg/Kg dry	50		CTDEP ETPH	9/5/17	9/7/17 18:57	PJG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
o-Terphenyl	*	50-150	S-01	9/7/17 18:57

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-28 Sampled: 8/29/2017 09:45

Sample ID: 17H1544-03

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	19	2.7	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 16:49	QNW
Arsenic	10	2.7	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:27	QNW
Barium	61	2.7	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:27	QNW
Beryllium	ND	0.27	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 16:49	QNW
Cadmium	0.78	0.27	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 16:49	QNW
Chromium	48	0.55	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:27	QNW
Copper	200	0.55	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 16:49	QNW
Lead	240	0.82	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:27	QNW
Mercury	0.10	0.027	mg/Kg dry	1		SW-846 7471B	8/30/17	9/6/17 13:09	TJK
Nickel	69	0.55	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:27	QNW
Selenium	ND	5.5	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 16:49	QNW
Silver	ND	2.7	mg/Kg dry	5	DL-04	SW-846 6010C-D	9/5/17	9/11/17 15:12	QNW
Thallium	ND	2.7	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/11/17 15:17	QNW
Vanadium	68	1.1	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:27	QNW
Zinc	240	1.1	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:27	QNW

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-28 Sampled: 8/29/2017 09:45

Sample ID: 17H1544-03

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	91.1		% Wt	1		SM 2540G	8/31/17	9/1/17 8:37	MRL

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-29 Sampled: 8/29/2017 10:00

Sample ID: 17H1544-04

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	0.076	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
Acrylonitrile	ND	0.0046	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
Benzene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
Bromobenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
Bromodichloromethane	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
Bromoform	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
Bromomethane	ND	0.0076	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
2-Butanone (MEK)	ND	0.031	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
n-Butylbenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
sec-Butylbenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
tert-Butylbenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
Carbon Disulfide	ND	0.0046	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
Carbon Tetrachloride	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
Chlorobenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
Chlorodibromomethane	ND	0.00076	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
Chloroethane	ND	0.015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
Chloroform	ND	0.0031	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
Chloromethane	ND	0.0076	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
2-Chlorotoluene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
4-Chlorotoluene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
1,2-Dibromoethane (EDB)	ND	0.00076	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
Dibromomethane	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
1,2-Dichlorobenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
1,3-Dichlorobenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
1,4-Dichlorobenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
trans-1,4-Dichloro-2-butene	ND	0.0031	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
1,1-Dichloroethane	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
1,2-Dichloroethane	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
1,1-Dichloroethylene	ND	0.0031	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
cis-1,2-Dichloroethylene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
trans-1,2-Dichloroethylene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
1,2-Dichloropropane	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
1,3-Dichloropropane	ND	0.00076	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
2,2-Dichloropropane	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
1,1-Dichloropropene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
cis-1,3-Dichloropropene	ND	0.00076	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
trans-1,3-Dichloropropene	ND	0.00076	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
Ethylbenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
Hexachlorobutadiene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
2-Hexanone (MBK)	ND	0.015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
Isopropylbenzene (Cumene)	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-29 Sampled: 8/29/2017 10:00

Sample ID: 17H1544-04

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	0.0031	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
Methylene Chloride	ND	0.015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
Naphthalene	ND	0.0031	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
n-Propylbenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
Styrene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
1,1,1,2-Tetrachloroethane	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
1,1,2,2-Tetrachloroethane	ND	0.0031	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
Tetrachloroethylene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
Tetrahydrofuran	ND	0.0076	mg/Kg dry	1	V-16	SW-846 8260C	8/30/17	8/30/17 9:19	MFF
Toluene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
1,2,3-Trichlorobenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
1,2,4-Trichlorobenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
1,1,1-Trichloroethane	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
1,1,2-Trichloroethane	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
Trichloroethylene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
Trichlorofluoromethane (Freon 11)	ND	0.0076	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
1,2,3-Trichloropropane	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0076	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
1,2,4-Trimethylbenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
1,3,5-Trimethylbenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
Vinyl Chloride	ND	0.0076	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
m+p Xylene	ND	0.0031	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
o-Xylene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	99.8	70-130		8/30/17 9:19
Toluene-d8	105	70-130		8/30/17 9:19
4-Bromofluorobenzene	104	70-130		8/30/17 9:19

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-29 Sampled: 8/29/2017 10:00

Sample ID: 17H1544-04

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	4.7	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
Acenaphthene	1.6	0.75	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
Acenaphthylene	ND	4.7	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
Acenaphthylene	ND	0.75	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
Aniline	ND	9.4	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
Aniline	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
Anthracene	ND	4.7	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
Anthracene	3.8	0.75	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
Benzo(a)anthracene	16	4.7	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
Benzo(a)anthracene	17	0.75	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
Benzo(a)pyrene	13	4.7	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
Benzo(a)pyrene	13	0.75	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
Benzo(b)fluoranthene	18	4.7	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
Benzo(b)fluoranthene	19	0.75	mg/Kg dry	4	E	SW-846 8270D	9/5/17	9/6/17 21:40	BGL
Benzo(g,h,i)perylene	6.2	4.7	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
Benzo(g,h,i)perylene	7.7	0.75	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
Benzo(k)fluoranthene	7.3	4.7	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
Benzo(k)fluoranthene	6.8	0.75	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
Bis(2-chloroethoxy)methane	ND	9.4	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
Bis(2-chloroethoxy)methane	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
Bis(2-chloroethyl)ether	ND	9.4	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
Bis(2-chloroethyl)ether	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
Bis(2-chloroisopropyl)ether	ND	9.4	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
Bis(2-chloroisopropyl)ether	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
Bis(2-Ethylhexyl)phthalate	ND	9.4	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
Bis(2-Ethylhexyl)phthalate	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
4-Bromophenylphenylether	ND	9.4	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
4-Bromophenylphenylether	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
Butylbenzylphthalate	ND	9.4	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
Butylbenzylphthalate	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
Carbazole	ND	4.7	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
Carbazole	3.5	0.75	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
4-Chloroaniline	ND	18	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
4-Chloroaniline	ND	2.9	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
4-Chloro-3-methylphenol	ND	18	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
4-Chloro-3-methylphenol	ND	2.9	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
2-Chloronaphthalene	ND	9.4	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
2-Chloronaphthalene	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
2-Chlorophenol	ND	9.4	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
2-Chlorophenol	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
4-Chlorophenylphenylether	ND	9.4	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
4-Chlorophenylphenylether	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
Chrysene	18	4.7	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
Chrysene	18	0.75	mg/Kg dry	4	E	SW-846 8270D	9/5/17	9/6/17 21:40	BGL

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-29 Sampled: 8/29/2017 10:00

Sample ID: 17H1544-04

Sample Matrix: Soil

Sample Flags: RL-12

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Dibenz(a,h)anthracene	ND	4.7	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
Dibenz(a,h)anthracene	1.8	0.75	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
Dibenzofuran	ND	9.4	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
Dibenzofuran	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
Di-n-butylphthalate	ND	9.4	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
Di-n-butylphthalate	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
3,3-Dichlorobenzidine	ND	4.7	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
3,3-Dichlorobenzidine	ND	0.75	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
2,4-Dichlorophenol	ND	9.4	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
2,4-Dichlorophenol	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
Diethylphthalate	ND	9.4	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
Diethylphthalate	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
2,4-Dimethylphenol	ND	9.4	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
2,4-Dimethylphenol	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
Dimethylphthalate	ND	9.4	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
Dimethylphthalate	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
4,6-Dinitro-2-methylphenol	ND	9.4	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
4,6-Dinitro-2-methylphenol	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
2,4-Dinitrophenol	ND	18	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
2,4-Dinitrophenol	ND	2.9	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
2,4-Dinitrotoluene	ND	9.4	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
2,4-Dinitrotoluene	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
2,6-Dinitrotoluene	ND	9.4	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
2,6-Dinitrotoluene	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
Di-n-octylphthalate	ND	9.4	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
Di-n-octylphthalate	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
Fluoranthene	46	4.7	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
Fluoranthene	52	0.75	mg/Kg dry	4	E	SW-846 8270D	9/5/17	9/6/17 21:40	BGL
Fluorene	ND	4.7	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
Fluorene	1.2	0.75	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
Hexachlorobenzene	ND	9.4	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
Hexachlorobenzene	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
Hexachlorobutadiene	ND	9.4	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
Hexachlorobutadiene	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
Hexachlorocyclopentadiene	ND	9.4	mg/Kg dry	25	V-05	SW-846 8270D	9/5/17	9/7/17 19:06	BGL
Hexachlorocyclopentadiene	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
Hexachloroethane	ND	9.4	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
Hexachloroethane	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
Indeno(1,2,3-cd)pyrene	6.6	4.7	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
Indeno(1,2,3-cd)pyrene	8.4	0.75	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
Isophorone	ND	9.4	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
Isophorone	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
2-Methylnaphthalene	ND	4.7	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
2-Methylnaphthalene	ND	0.75	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-29 Sampled: 8/29/2017 10:00

Sample ID: 17H1544-04

Sample Matrix: Soil

Sample Flags: RL-12

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Methylphenol	ND	9.4	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
2-Methylphenol	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
3/4-Methylphenol	ND	9.4	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
3/4-Methylphenol	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
Naphthalene	ND	4.7	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
Naphthalene	ND	0.75	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
2-Nitroaniline	ND	9.4	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
2-Nitroaniline	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
3-Nitroaniline	ND	9.4	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
3-Nitroaniline	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
4-Nitroaniline	ND	9.4	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
4-Nitroaniline	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
Nitrobenzene	ND	9.4	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
Nitrobenzene	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
2-Nitrophenol	ND	9.4	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
2-Nitrophenol	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
4-Nitrophenol	ND	18	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
4-Nitrophenol	ND	2.9	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
N-Nitrosodiphenylamine	ND	9.4	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
N-Nitrosodiphenylamine	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
N-Nitrosodi-n-propylamine	ND	9.4	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
N-Nitrosodi-n-propylamine	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
Pentachloronitrobenzene	ND	9.4	mg/Kg dry	25	V-16	SW-846 8270D	9/5/17	9/7/17 19:06	BGL
Pentachloronitrobenzene	ND	1.5	mg/Kg dry	4	V-16	SW-846 8270D	9/5/17	9/6/17 21:40	BGL
Pentachlorophenol	ND	9.4	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
Pentachlorophenol	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
Phenanthrene	27	4.7	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
Phenanthrene	30	0.75	mg/Kg dry	4	E	SW-846 8270D	9/5/17	9/6/17 21:40	BGL
Phenol	ND	9.4	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
Phenol	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
Pyrene	36	4.7	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
Pyrene	46	0.75	mg/Kg dry	4	E	SW-846 8270D	9/5/17	9/6/17 21:40	BGL
Pyridine	ND	9.4	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
Pyridine	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
1,2,4,5-Tetrachlorobenzene	ND	9.4	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
1,2,4,5-Tetrachlorobenzene	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
1,2,4-Trichlorobenzene	ND	9.4	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
1,2,4-Trichlorobenzene	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
2,4,5-Trichlorophenol	ND	9.4	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
2,4,5-Trichlorophenol	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
2,4,6-Trichlorophenol	ND	9.4	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
2,4,6-Trichlorophenol	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	65.6	30-130		9/7/17 19:06

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-29 Sampled: 8/29/2017 10:00

Sample ID: 17H1544-04

Sample Matrix: Soil

Sample Flags: RL-12

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Surrogates		**% Recovery**	**Recovery Limits**		**Flag/Qual**				
2-Fluorophenol		67.3	30-130					9/6/17 21:40	
Phenol-d6		68.4	30-130					9/7/17 19:06	
Phenol-d6		69.3	30-130					9/6/17 21:40	
Nitrobenzene-d5		76.5	30-130					9/7/17 19:06	
Nitrobenzene-d5		79.8	30-130					9/6/17 21:40	
2-Fluorobiphenyl		67.3	30-130					9/7/17 19:06	
2-Fluorobiphenyl		70.8	30-130					9/6/17 21:40	
2,4,6-Tribromophenol		86.7	30-130					9/7/17 19:06	
2,4,6-Tribromophenol		89.6	30-130					9/6/17 21:40	
p-Terphenyl-d14		74.3	30-130					9/7/17 19:06	
p-Terphenyl-d14		88.2	30-130					9/6/17 21:40	

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-29 Sampled: 8/29/2017 10:00

Sample ID: 17H1544-04

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	0.088	mg/Kg dry	4		SW-846 8082A	9/6/17	9/9/17 23:41	TG
Aroclor-1221 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	9/6/17	9/9/17 23:41	TG
Aroclor-1232 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	9/6/17	9/9/17 23:41	TG
Aroclor-1242 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	9/6/17	9/9/17 23:41	TG
Aroclor-1248 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	9/6/17	9/9/17 23:41	TG
Aroclor-1254 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	9/6/17	9/9/17 23:41	TG
Aroclor-1260 [1]	0.40	0.088	mg/Kg dry	4		SW-846 8082A	9/6/17	9/9/17 23:41	TG
Aroclor-1262 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	9/6/17	9/9/17 23:41	TG
Aroclor-1268 [1]	0.17	0.088	mg/Kg dry	4		SW-846 8082A	9/6/17	9/9/17 23:41	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	82.1	30-150		9/9/17 23:41
Decachlorobiphenyl [2]	96.4	30-150		9/9/17 23:41
Tetrachloro-m-xylene [1]	75.6	30-150		9/9/17 23:41
Tetrachloro-m-xylene [2]	79.2	30-150		9/9/17 23:41

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-29 Sampled: 8/29/2017 10:00

Sample ID: 17H1544-04

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	780	550	mg/Kg dry	50		CTDEP ETPH	9/5/17	9/7/17 19:14	PJG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
o-Terphenyl	*	50-150	S-01	9/7/17 19:14

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-29 Sampled: 8/29/2017 10:00

Sample ID: 17H1544-04

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	5.6	2.6	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 16:59	QNW
Arsenic	5.0	2.6	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:33	QNW
Barium	130	2.6	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:33	QNW
Beryllium	ND	0.26	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 16:59	QNW
Cadmium	1.2	0.26	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 16:59	QNW
Chromium	26	0.53	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:33	QNW
Copper	140	0.53	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 16:59	QNW
Lead	280	0.79	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:33	QNW
Mercury	0.26	0.027	mg/Kg dry	1		SW-846 7471B	8/30/17	9/5/17 14:28	TJK
Nickel	92	0.53	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:33	QNW
Selenium	ND	5.3	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 16:59	QNW
Silver	ND	0.53	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:33	QNW
Thallium	ND	2.6	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:33	QNW
Vanadium	170	1.1	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:33	QNW
Zinc	630	1.1	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:33	QNW

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-29 Sampled: 8/29/2017 10:00

Sample ID: 17H1544-04

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	90.5		% Wt	1		SM 2540G	8/31/17	9/1/17 8:37	MRL

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-30 Sampled: 8/29/2017 10:15

Sample ID: 17H1544-05

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	0.092	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
Acrylonitrile	ND	0.0055	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
Benzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
Bromobenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
Bromodichloromethane	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
Bromoform	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
Bromomethane	ND	0.0092	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
2-Butanone (MEK)	ND	0.037	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
n-Butylbenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
sec-Butylbenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
tert-Butylbenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
Carbon Disulfide	ND	0.0055	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
Carbon Tetrachloride	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
Chlorobenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
Chlorodibromomethane	ND	0.00092	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
Chloroethane	ND	0.018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
Chloroform	ND	0.0037	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
Chloromethane	ND	0.0092	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
2-Chlorotoluene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
4-Chlorotoluene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
1,2-Dibromoethane (EDB)	ND	0.00092	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
Dibromomethane	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
1,2-Dichlorobenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
1,3-Dichlorobenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
1,4-Dichlorobenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
trans-1,4-Dichloro-2-butene	ND	0.0037	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
1,1-Dichloroethane	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
1,2-Dichloroethane	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
1,1-Dichloroethylene	ND	0.0037	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
cis-1,2-Dichloroethylene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
trans-1,2-Dichloroethylene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
1,2-Dichloropropane	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
1,3-Dichloropropane	ND	0.00092	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
2,2-Dichloropropane	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
1,1-Dichloropropene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
cis-1,3-Dichloropropene	ND	0.00092	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
trans-1,3-Dichloropropene	ND	0.00092	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
Ethylbenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
Hexachlorobutadiene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
2-Hexanone (MBK)	ND	0.018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
Isopropylbenzene (Cumene)	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-30 Sampled: 8/29/2017 10:15

Sample ID: 17H1544-05

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	0.0037	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
Methylene Chloride	ND	0.018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
Naphthalene	ND	0.0037	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
n-Propylbenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
Styrene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
1,1,1,2-Tetrachloroethane	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
1,1,2,2-Tetrachloroethane	ND	0.0037	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
Tetrachloroethylene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
Tetrahydrofuran	ND	0.0092	mg/Kg dry	1	V-16	SW-846 8260C	8/30/17	8/30/17 9:48	MFF
Toluene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
1,2,3-Trichlorobenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
1,2,4-Trichlorobenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
1,1,1-Trichloroethane	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
1,1,2-Trichloroethane	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
Trichloroethylene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
Trichlorofluoromethane (Freon 11)	ND	0.0092	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
1,2,3-Trichloropropane	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0092	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
1,2,4-Trimethylbenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
1,3,5-Trimethylbenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
Vinyl Chloride	ND	0.0092	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
m+p Xylene	ND	0.0037	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
o-Xylene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	98.9	70-130		8/30/17 9:48
Toluene-d8	105	70-130		8/30/17 9:48
4-Bromofluorobenzene	98.8	70-130		8/30/17 9:48

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-30 Sampled: 8/29/2017 10:15

Sample ID: 17H1544-05

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	3.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
Acenaphthene	ND	0.75	mg/Kg dry	4	R-06	SW-846 8270D	9/5/17	9/6/17 22:03	BGL
Acenaphthylene	ND	3.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
Acenaphthylene	ND	0.75	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:03	BGL
Aniline	ND	6.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
Aniline	ND	1.5	mg/Kg dry	4	MS-09	SW-846 8270D	9/5/17	9/6/17 22:03	BGL
Anthracene	ND	3.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
Anthracene	0.95	0.75	mg/Kg dry	4	R-06	SW-846 8270D	9/5/17	9/6/17 22:03	BGL
Benzo(a)anthracene	9.7	3.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
Benzo(a)anthracene	10	0.75	mg/Kg dry	4	MS-09, R-06	SW-846 8270D	9/5/17	9/6/17 22:03	BGL
Benzo(a)pyrene	8.0	3.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
Benzo(a)pyrene	8.8	0.75	mg/Kg dry	4	R-06	SW-846 8270D	9/5/17	9/6/17 22:03	BGL
Benzo(b)fluoranthene	12	3.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
Benzo(b)fluoranthene	13	0.75	mg/Kg dry	4	R-06	SW-846 8270D	9/5/17	9/6/17 22:03	BGL
Benzo(g,h,i)perylene	4.3	3.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
Benzo(g,h,i)perylene	5.3	0.75	mg/Kg dry	4	MS-09	SW-846 8270D	9/5/17	9/6/17 22:03	BGL
Benzo(k)fluoranthene	3.8	3.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
Benzo(k)fluoranthene	4.9	0.75	mg/Kg dry	4	R-06	SW-846 8270D	9/5/17	9/6/17 22:03	BGL
Bis(2-chloroethoxy)methane	ND	6.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
Bis(2-chloroethoxy)methane	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:03	BGL
Bis(2-chloroethyl)ether	ND	6.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
Bis(2-chloroethyl)ether	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:03	BGL
Bis(2-chloroisopropyl)ether	ND	6.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
Bis(2-chloroisopropyl)ether	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:03	BGL
Bis(2-Ethylhexyl)phthalate	ND	6.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
Bis(2-Ethylhexyl)phthalate	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:03	BGL
4-Bromophenylphenylether	ND	6.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
4-Bromophenylphenylether	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:03	BGL
Butylbenzylphthalate	ND	6.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
Butylbenzylphthalate	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:03	BGL
Carbazole	ND	3.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
Carbazole	0.77	0.75	mg/Kg dry	4	R-06	SW-846 8270D	9/5/17	9/6/17 22:03	BGL
4-Chloroaniline	ND	12	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
4-Chloroaniline	ND	2.9	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:03	BGL
4-Chloro-3-methylphenol	ND	12	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
4-Chloro-3-methylphenol	ND	2.9	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:03	BGL
2-Chloronaphthalene	ND	6.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
2-Chloronaphthalene	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:03	BGL
2-Chlorophenol	ND	6.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
2-Chlorophenol	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:03	BGL
4-Chlorophenylphenylether	ND	6.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
4-Chlorophenylphenylether	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:03	BGL
Chrysene	10	3.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
Chrysene	11	0.75	mg/Kg dry	4	MS-09, R-06	SW-846 8270D	9/5/17	9/6/17 22:03	BGL

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-30 Sampled: 8/29/2017 10:15

Sample ID: 17H1544-05

Sample Matrix: Soil

Sample Flags: RL-12

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Dibenz(a,h)anthracene	ND	3.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
Dibenz(a,h)anthracene	1.4	0.75	mg/Kg dry	4	MS-09	SW-846 8270D	9/5/17	9/6/17 22:03	BGL
Dibenzofuran	ND	6.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
Dibenzofuran	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:03	BGL
Di-n-butylphthalate	ND	6.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
Di-n-butylphthalate	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:03	BGL
3,3-Dichlorobenzidine	ND	3.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
3,3-Dichlorobenzidine	ND	0.75	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:03	BGL
2,4-Dichlorophenol	ND	6.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
2,4-Dichlorophenol	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:03	BGL
Diethylphthalate	ND	6.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
Diethylphthalate	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:03	BGL
2,4-Dimethylphenol	ND	6.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
2,4-Dimethylphenol	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:03	BGL
Dimethylphthalate	ND	6.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
Dimethylphthalate	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:03	BGL
4,6-Dinitro-2-methylphenol	ND	6.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
4,6-Dinitro-2-methylphenol	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:03	BGL
2,4-Dinitrophenol	ND	12	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
2,4-Dinitrophenol	ND	2.9	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:03	BGL
2,4-Dinitrotoluene	ND	6.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
2,4-Dinitrotoluene	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:03	BGL
2,6-Dinitrotoluene	ND	6.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
2,6-Dinitrotoluene	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:03	BGL
Di-n-octylphthalate	ND	6.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
Di-n-octylphthalate	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:03	BGL
Fluoranthene	21	3.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
Fluoranthene	24	0.75	mg/Kg dry	4	E, MS-09, R-06	SW-846 8270D	9/5/17	9/6/17 22:03	BGL
Fluorene	ND	3.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
Fluorene	ND	0.75	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:03	BGL
Hexachlorobenzene	ND	6.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
Hexachlorobenzene	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:03	BGL
Hexachlorobutadiene	ND	6.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
Hexachlorobutadiene	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:03	BGL
Hexachlorocyclopentadiene	ND	6.0	mg/Kg dry	16	V-05	SW-846 8270D	9/5/17	9/7/17 19:34	BGL
Hexachlorocyclopentadiene	ND	1.5	mg/Kg dry	4	MS-09	SW-846 8270D	9/5/17	9/6/17 22:03	BGL
Hexachloroethane	ND	6.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
Hexachloroethane	ND	1.5	mg/Kg dry	4	MS-09	SW-846 8270D	9/5/17	9/6/17 22:03	BGL
Indeno(1,2,3-cd)pyrene	4.1	3.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
Indeno(1,2,3-cd)pyrene	5.6	0.75	mg/Kg dry	4	MS-09, R-06	SW-846 8270D	9/5/17	9/6/17 22:03	BGL
Isophorone	ND	6.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
Isophorone	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:03	BGL
2-Methylnaphthalene	ND	3.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
2-Methylnaphthalene	ND	0.75	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:03	BGL

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-30 Sampled: 8/29/2017 10:15

Sample ID: 17H1544-05

Sample Matrix: Soil

Sample Flags: RL-12

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Methylphenol	ND	6.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
2-Methylphenol	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:03	BGL
3/4-Methylphenol	ND	6.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
3/4-Methylphenol	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:03	BGL
Naphthalene	ND	3.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
Naphthalene	ND	0.75	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:03	BGL
2-Nitroaniline	ND	6.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
2-Nitroaniline	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:03	BGL
3-Nitroaniline	ND	6.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
3-Nitroaniline	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:03	BGL
4-Nitroaniline	ND	6.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
4-Nitroaniline	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:03	BGL
Nitrobenzene	ND	6.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
Nitrobenzene	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:03	BGL
2-Nitrophenol	ND	6.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
2-Nitrophenol	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:03	BGL
4-Nitrophenol	ND	12	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
4-Nitrophenol	ND	2.9	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:03	BGL
N-Nitrosodiphenylamine	ND	6.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
N-Nitrosodiphenylamine	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:03	BGL
N-Nitrosodi-n-propylamine	ND	6.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
N-Nitrosodi-n-propylamine	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:03	BGL
Pentachloronitrobenzene	ND	6.0	mg/Kg dry	16	V-16	SW-846 8270D	9/5/17	9/7/17 19:34	BGL
Pentachloronitrobenzene	ND	1.5	mg/Kg dry	4	V-16	SW-846 8270D	9/5/17	9/6/17 22:03	BGL
Pentachlorophenol	ND	6.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
Pentachlorophenol	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:03	BGL
Phenanthrene	6.2	3.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
Phenanthrene	6.8	0.75	mg/Kg dry	4	R-06	SW-846 8270D	9/5/17	9/6/17 22:03	BGL
Phenol	ND	6.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
Phenol	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:03	BGL
Pyrene	18	3.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
Pyrene	22	0.75	mg/Kg dry	4	E, MS-09, R-06	SW-846 8270D	9/5/17	9/6/17 22:03	BGL
Pyridine	ND	6.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
Pyridine	ND	1.5	mg/Kg dry	4	MS-09	SW-846 8270D	9/5/17	9/6/17 22:03	BGL
1,2,4,5-Tetrachlorobenzene	ND	6.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
1,2,4,5-Tetrachlorobenzene	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:03	BGL
1,2,4-Trichlorobenzene	ND	6.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
1,2,4-Trichlorobenzene	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:03	BGL
2,4,5-Trichlorophenol	ND	6.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
2,4,5-Trichlorophenol	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:03	BGL
2,4,6-Trichlorophenol	ND	6.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
2,4,6-Trichlorophenol	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:03	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	51.5	30-130		9/7/17 19:34

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-30 Sampled: 8/29/2017 10:15

Sample ID: 17H1544-05

Sample Matrix: Soil

Sample Flags: RL-12

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Surrogates		**% Recovery**	**Recovery Limits**		**Flag/Qual**				
2-Fluorophenol		54.9	30-130					9/6/17 22:03	
Phenol-d6		51.9	30-130					9/7/17 19:34	
Phenol-d6		57.0	30-130					9/6/17 22:03	
Nitrobenzene-d5		63.4	30-130					9/7/17 19:34	
Nitrobenzene-d5		66.2	30-130					9/6/17 22:03	
2-Fluorobiphenyl		55.5	30-130					9/7/17 19:34	
2-Fluorobiphenyl		61.0	30-130					9/6/17 22:03	
2,4,6-Tribromophenol		69.8	30-130					9/7/17 19:34	
2,4,6-Tribromophenol		75.5	30-130					9/6/17 22:03	
p-Terphenyl-d14		62.4	30-130					9/7/17 19:34	
p-Terphenyl-d14		71.4	30-130					9/6/17 22:03	

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-30 Sampled: 8/29/2017 10:15

Sample ID: 17H1544-05

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	9/6/17	9/9/17 23:53	TG
Aroclor-1221 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	9/6/17	9/9/17 23:53	TG
Aroclor-1232 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	9/6/17	9/9/17 23:53	TG
Aroclor-1242 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	9/6/17	9/9/17 23:53	TG
Aroclor-1248 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	9/6/17	9/9/17 23:53	TG
Aroclor-1254 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	9/6/17	9/9/17 23:53	TG
Aroclor-1260 [1]	0.46	0.088	mg/Kg dry	4		SW-846 8082A	9/6/17	9/9/17 23:53	TG
Aroclor-1262 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	9/6/17	9/9/17 23:53	TG
Aroclor-1268 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	9/6/17	9/9/17 23:53	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	82.2	30-150		9/9/17 23:53
Decachlorobiphenyl [2]	89.7	30-150		9/9/17 23:53
Tetrachloro-m-xylene [1]	92.8	30-150		9/9/17 23:53
Tetrachloro-m-xylene [2]	95.6	30-150		9/9/17 23:53

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-30 Sampled: 8/29/2017 10:15

Sample ID: 17H1544-05

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	820	550	mg/Kg dry	50		CTDEP ETPH	9/5/17	9/7/17 19:32	PJG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
o-Terphenyl	*	50-150	S-01	9/7/17 19:32

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-30 Sampled: 8/29/2017 10:15

Sample ID: 17H1544-05

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	24	2.5	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 17:03	QNW
Arsenic	8.4	2.5	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:39	QNW
Barium	560	2.5	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:39	QNW
Beryllium	ND	0.25	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 17:03	QNW
Cadmium	3.0	0.25	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 17:03	QNW
Chromium	87	0.51	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:39	QNW
Copper	350	0.51	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 17:03	QNW
Lead	1500	0.76	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:39	QNW
Mercury	0.25	0.028	mg/Kg dry	1		SW-846 7471B	8/30/17	9/5/17 14:30	TJK
Nickel	130	0.51	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:39	QNW
Selenium	ND	5.1	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 17:03	QNW
Silver	ND	1.0	mg/Kg dry	2	DL-04	SW-846 6010C-D	9/5/17	9/11/17 15:21	QNW
Thallium	ND	2.5	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/11/17 15:25	QNW
Vanadium	300	1.0	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:39	QNW
Zinc	1900	1.0	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:39	QNW

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-30 Sampled: 8/29/2017 10:15

Sample ID: 17H1544-05

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	91.1		% Wt	1		SM 2540G	8/31/17	9/1/17 8:37	MRL

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-31 Sampled: 8/29/2017 10:30

Sample ID: 17H1544-06

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	0.11	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
Acrylonitrile	ND	0.0065	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
Benzene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
Bromobenzene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
Bromodichloromethane	ND	0.0022	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
Bromoform	ND	0.0022	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
Bromomethane	ND	0.011	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
2-Butanone (MEK)	ND	0.043	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
n-Butylbenzene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
sec-Butylbenzene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
tert-Butylbenzene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
Carbon Disulfide	ND	0.0065	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
Carbon Tetrachloride	ND	0.0022	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
Chlorobenzene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
Chlorodibromomethane	ND	0.0011	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
Chloroethane	ND	0.022	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
Chloroform	ND	0.0043	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
Chloromethane	ND	0.011	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
2-Chlorotoluene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
4-Chlorotoluene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0022	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
1,2-Dibromoethane (EDB)	ND	0.0011	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
Dibromomethane	ND	0.0022	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
1,2-Dichlorobenzene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
1,3-Dichlorobenzene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
1,4-Dichlorobenzene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
trans-1,4-Dichloro-2-butene	ND	0.0043	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.022	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
1,1-Dichloroethane	ND	0.0022	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
1,2-Dichloroethane	ND	0.0022	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
1,1-Dichloroethylene	ND	0.0043	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
cis-1,2-Dichloroethylene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
trans-1,2-Dichloroethylene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
1,2-Dichloropropane	ND	0.0022	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
1,3-Dichloropropane	ND	0.0011	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
2,2-Dichloropropane	ND	0.0022	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
1,1-Dichloropropene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
cis-1,3-Dichloropropene	ND	0.0011	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
trans-1,3-Dichloropropene	ND	0.0011	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
Ethylbenzene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
Hexachlorobutadiene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
2-Hexanone (MBK)	ND	0.022	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
Isopropylbenzene (Cumene)	ND	0.0022	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0022	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-31 Sampled: 8/29/2017 10:30

Sample ID: 17H1544-06

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	0.0043	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
Methylene Chloride	ND	0.022	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.022	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
Naphthalene	ND	0.0043	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
n-Propylbenzene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
Styrene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
1,1,1,2-Tetrachloroethane	ND	0.0022	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
1,1,2,2-Tetrachloroethane	ND	0.0043	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
Tetrachloroethylene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
Tetrahydrofuran	ND	0.011	mg/Kg dry	1	V-16	SW-846 8260C	8/30/17	8/30/17 10:16	MFF
Toluene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
1,2,3-Trichlorobenzene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
1,2,4-Trichlorobenzene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
1,1,1-Trichloroethane	ND	0.0022	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
1,1,2-Trichloroethane	ND	0.0022	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
Trichloroethylene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
Trichlorofluoromethane (Freon 11)	ND	0.011	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
1,2,3-Trichloropropane	ND	0.0022	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.011	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
1,2,4-Trimethylbenzene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
1,3,5-Trimethylbenzene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
Vinyl Chloride	ND	0.011	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
m+p Xylene	ND	0.0043	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
o-Xylene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	101	70-130		8/30/17 10:16
Toluene-d8	104	70-130		8/30/17 10:16
4-Bromofluorobenzene	104	70-130		8/30/17 10:16

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-31 Sampled: 8/29/2017 10:30

Sample ID: 17H1544-06

Sample Matrix: Soil

Sample Flags: RL-12

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	3.2	1.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
Acenaphthene	ND	11	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
Acenaphthylene	ND	1.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
Acenaphthylene	ND	11	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
Aniline	ND	2.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
Aniline	ND	21	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
Anthracene	7.7	1.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
Anthracene	ND	11	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
Benzo(a)anthracene	38	1.1	mg/Kg dry	4	E	SW-846 8270D	9/5/17	9/6/17 22:27	BGL
Benzo(a)anthracene	42	11	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
Benzo(a)pyrene	28	1.1	mg/Kg dry	4	E	SW-846 8270D	9/5/17	9/6/17 22:27	BGL
Benzo(a)pyrene	30	11	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
Benzo(b)fluoranthene	42	1.1	mg/Kg dry	4	E	SW-846 8270D	9/5/17	9/6/17 22:27	BGL
Benzo(b)fluoranthene	42	11	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
Benzo(g,h,i)perylene	14	1.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
Benzo(g,h,i)perylene	14	11	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
Benzo(k)fluoranthene	15	1.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
Benzo(k)fluoranthene	17	11	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
Bis(2-chloroethoxy)methane	ND	2.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
Bis(2-chloroethoxy)methane	ND	21	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
Bis(2-chloroethyl)ether	ND	2.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
Bis(2-chloroethyl)ether	ND	21	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
Bis(2-chloroisopropyl)ether	ND	2.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
Bis(2-chloroisopropyl)ether	ND	21	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
Bis(2-Ethylhexyl)phthalate	ND	2.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
Bis(2-Ethylhexyl)phthalate	ND	21	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
4-Bromophenylphenylether	ND	2.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
4-Bromophenylphenylether	ND	21	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
Butylbenzylphthalate	ND	2.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
Butylbenzylphthalate	ND	21	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
Carbazole	6.9	1.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
Carbazole	ND	11	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
4-Chloroaniline	ND	4.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
4-Chloroaniline	ND	41	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
4-Chloro-3-methylphenol	ND	4.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
4-Chloro-3-methylphenol	ND	41	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
2-Chloronaphthalene	ND	2.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
2-Chloronaphthalene	ND	21	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
2-Chlorophenol	ND	2.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
2-Chlorophenol	ND	21	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
4-Chlorophenylphenylether	ND	2.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
4-Chlorophenylphenylether	ND	21	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
Chrysene	40	1.1	mg/Kg dry	4	E	SW-846 8270D	9/5/17	9/6/17 22:27	BGL
Chrysene	45	11	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-31 Sampled: 8/29/2017 10:30

Sample ID: 17H1544-06

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Dibenz(a,h)anthracene	3.8	1.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
Dibenz(a,h)anthracene	ND	11	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
Dibenzofuran	ND	2.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
Dibenzofuran	ND	21	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
Di-n-butylphthalate	ND	2.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
Di-n-butylphthalate	ND	21	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
3,3-Dichlorobenzidine	ND	1.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
3,3-Dichlorobenzidine	ND	11	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
2,4-Dichlorophenol	ND	2.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
2,4-Dichlorophenol	ND	21	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
Diethylphthalate	ND	2.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
Diethylphthalate	ND	21	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
2,4-Dimethylphenol	ND	2.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
2,4-Dimethylphenol	ND	21	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
Dimethylphthalate	ND	2.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
Dimethylphthalate	ND	21	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
4,6-Dinitro-2-methylphenol	ND	2.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
4,6-Dinitro-2-methylphenol	ND	21	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
2,4-Dinitrophenol	ND	4.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
2,4-Dinitrophenol	ND	41	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
2,4-Dinitrotoluene	ND	2.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
2,4-Dinitrotoluene	ND	21	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
2,6-Dinitrotoluene	ND	2.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
2,6-Dinitrotoluene	ND	21	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
Di-n-octylphthalate	ND	2.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
Di-n-octylphthalate	ND	21	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
Fluoranthene	130	1.1	mg/Kg dry	4	E	SW-846 8270D	9/5/17	9/6/17 22:27	BGL
Fluoranthene	120	11	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
Fluorene	2.3	1.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
Fluorene	ND	11	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
Hexachlorobenzene	ND	2.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
Hexachlorobenzene	ND	21	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
Hexachlorobutadiene	ND	2.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
Hexachlorobutadiene	ND	21	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
Hexachlorocyclopentadiene	ND	2.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
Hexachlorocyclopentadiene	ND	21	mg/Kg dry	40	V-05	SW-846 8270D	9/5/17	9/7/17 14:15	BGL
Hexachloroethane	ND	2.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
Hexachloroethane	ND	21	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
Indeno(1,2,3-cd)pyrene	15	1.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
Indeno(1,2,3-cd)pyrene	17	11	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
Isophorone	ND	2.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
Isophorone	ND	21	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
2-Methylnaphthalene	ND	1.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
2-Methylnaphthalene	ND	11	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-31 Sampled: 8/29/2017 10:30

Sample ID: 17H1544-06

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Methylphenol	ND	2.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
2-Methylphenol	ND	21	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
3/4-Methylphenol	ND	2.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
3/4-Methylphenol	ND	21	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
Naphthalene	ND	1.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
Naphthalene	ND	11	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
2-Nitroaniline	ND	2.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
2-Nitroaniline	ND	21	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
3-Nitroaniline	ND	2.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
3-Nitroaniline	ND	21	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
4-Nitroaniline	ND	2.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
4-Nitroaniline	ND	21	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
Nitrobenzene	ND	2.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
Nitrobenzene	ND	21	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
2-Nitrophenol	ND	2.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
2-Nitrophenol	ND	21	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
4-Nitrophenol	ND	4.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
4-Nitrophenol	ND	41	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
N-Nitrosodiphenylamine	ND	2.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
N-Nitrosodiphenylamine	ND	21	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
N-Nitrosodi-n-propylamine	ND	2.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
N-Nitrosodi-n-propylamine	ND	21	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
Pentachloronitrobenzene	ND	2.1	mg/Kg dry	4	V-16	SW-846 8270D	9/5/17	9/6/17 22:27	BGL
Pentachloronitrobenzene	ND	21	mg/Kg dry	40	V-16	SW-846 8270D	9/5/17	9/7/17 14:15	BGL
Pentachlorophenol	ND	2.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
Pentachlorophenol	ND	21	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
Phenanthrene	66	1.1	mg/Kg dry	4	E	SW-846 8270D	9/5/17	9/6/17 22:27	BGL
Phenanthrene	61	11	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
Phenol	ND	2.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
Phenol	ND	21	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
Pyrene	110	1.1	mg/Kg dry	4	E	SW-846 8270D	9/5/17	9/6/17 22:27	BGL
Pyrene	97	11	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
Pyridine	ND	2.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
Pyridine	ND	21	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
1,2,4,5-Tetrachlorobenzene	ND	2.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
1,2,4,5-Tetrachlorobenzene	ND	21	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
1,2,4-Trichlorobenzene	ND	2.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
1,2,4-Trichlorobenzene	ND	21	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
2,4,5-Trichlorophenol	ND	2.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
2,4,5-Trichlorophenol	ND	21	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
2,4,6-Trichlorophenol	ND	2.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
2,4,6-Trichlorophenol	ND	21	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	63.3	30-130		9/6/17 22:27

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-31 Sampled: 8/29/2017 10:30

Sample ID: 17H1544-06

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Surrogates		**% Recovery**	**Recovery Limits**		**Flag/Qual**				
2-Fluorophenol		71.8	30-130					9/7/17 14:15	
Phenol-d6		65.5	30-130					9/6/17 22:27	
Phenol-d6		72.2	30-130					9/7/17 14:15	
Nitrobenzene-d5		67.6	30-130					9/6/17 22:27	
Nitrobenzene-d5		86.8	30-130					9/7/17 14:15	
2-Fluorobiphenyl		45.1	30-130					9/6/17 22:27	
2-Fluorobiphenyl		53.6	30-130					9/7/17 14:15	
2,4,6-Tribromophenol		80.5	30-130					9/6/17 22:27	
2,4,6-Tribromophenol		89.8	30-130					9/7/17 14:15	
p-Terphenyl-d14		56.0	30-130					9/6/17 22:27	
p-Terphenyl-d14		59.2	30-130					9/7/17 14:15	

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-31 Sampled: 8/29/2017 10:30

Sample ID: 17H1544-06

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	1.5	mg/Kg dry	50		SW-846 8082A	9/6/17	9/10/17 0:06	TG
Aroclor-1221 [1]	ND	1.5	mg/Kg dry	50		SW-846 8082A	9/6/17	9/10/17 0:06	TG
Aroclor-1232 [1]	ND	1.5	mg/Kg dry	50		SW-846 8082A	9/6/17	9/10/17 0:06	TG
Aroclor-1242 [1]	ND	1.5	mg/Kg dry	50		SW-846 8082A	9/6/17	9/10/17 0:06	TG
Aroclor-1248 [1]	ND	1.5	mg/Kg dry	50		SW-846 8082A	9/6/17	9/10/17 0:06	TG
Aroclor-1254 [1]	ND	1.5	mg/Kg dry	50		SW-846 8082A	9/6/17	9/10/17 0:06	TG
Aroclor-1260 [1]	9.8	1.5	mg/Kg dry	50		SW-846 8082A	9/6/17	9/10/17 0:06	TG
Aroclor-1262 [1]	ND	1.5	mg/Kg dry	50		SW-846 8082A	9/6/17	9/10/17 0:06	TG
Aroclor-1268 [1]	ND	1.5	mg/Kg dry	50		SW-846 8082A	9/6/17	9/10/17 0:06	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	*	30-150	S-01	9/10/17 0:06
Decachlorobiphenyl [2]	*	30-150	S-01	9/10/17 0:06
Tetrachloro-m-xylene [1]	*	30-150	S-01	9/10/17 0:06
Tetrachloro-m-xylene [2]	*	30-150	S-01	9/10/17 0:06

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-31 Sampled: 8/29/2017 10:30

Sample ID: 17H1544-06

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	3800	770	mg/Kg dry	50		CTDEP ETPH	9/5/17	9/7/17 19:50	PJG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
o-Terphenyl	*	50-150	S-01	9/7/17 19:50

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-31 Sampled: 8/29/2017 10:30

Sample ID: 17H1544-06

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	10	3.7	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 17:07	QNW
Arsenic	23	3.7	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:46	QNW
Barium	330	3.7	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:46	QNW
Beryllium	ND	0.37	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 17:07	QNW
Cadmium	2.3	0.37	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 17:07	QNW
Chromium	65	0.74	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:46	QNW
Copper	3300	0.74	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 17:07	QNW
Lead	290	1.1	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:46	QNW
Mercury	27	3.9	mg/Kg dry	100		SW-846 7471B	8/30/17	9/6/17 13:23	TJK
Nickel	580	0.74	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:46	QNW
Selenium	31	7.4	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 17:07	QNW
Silver	ND	0.74	mg/Kg dry	1	DL-04	SW-846 6010C-D	9/5/17	9/11/17 15:29	QNW
Thallium	ND	3.7	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/11/17 15:29	QNW
Vanadium	740	1.5	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:46	QNW
Zinc	1100	1.5	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:46	QNW

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-31 Sampled: 8/29/2017 10:30

Sample ID: 17H1544-06

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	64.7		% Wt	1		SM 2540G	8/31/17	9/1/17 8:37	MRL

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC3-SE-6 Sampled: 8/29/2017 10:45

Sample ID: 17H1544-07

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	5.9	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
Acrylonitrile	ND	0.59	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
Benzene	ND	0.12	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
Bromobenzene	ND	0.12	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
Bromodichloromethane	ND	0.12	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
Bromoform	ND	0.12	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
Bromomethane	ND	0.23	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
2-Butanone (MEK)	ND	2.3	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
n-Butylbenzene	ND	0.12	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
sec-Butylbenzene	ND	0.12	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
tert-Butylbenzene	ND	0.12	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
Carbon Disulfide	ND	0.35	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
Carbon Tetrachloride	ND	0.12	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
Chlorobenzene	ND	0.12	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
Chlorodibromomethane	ND	0.059	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
Chloroethane	0.31	0.23	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
Chloroform	ND	0.23	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
Chloromethane	ND	0.23	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
2-Chlorotoluene	ND	0.12	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
4-Chlorotoluene	ND	0.12	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.59	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
1,2-Dibromoethane (EDB)	ND	0.059	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
Dibromomethane	ND	0.12	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
1,2-Dichlorobenzene	ND	0.12	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
1,3-Dichlorobenzene	ND	0.12	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
1,4-Dichlorobenzene	6.0	0.12	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
trans-1,4-Dichloro-2-butene	ND	0.23	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
Dichlorodifluoromethane (Freon 12)	ND	0.23	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
1,1-Dichloroethane	0.15	0.12	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
1,2-Dichloroethane	ND	0.23	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
1,1-Dichloroethylene	ND	0.12	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
cis-1,2-Dichloroethylene	ND	0.12	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
trans-1,2-Dichloroethylene	ND	0.12	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
1,2-Dichloropropane	ND	0.12	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
1,3-Dichloropropane	ND	0.059	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
2,2-Dichloropropane	ND	0.12	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
1,1-Dichloropropene	ND	0.23	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
cis-1,3-Dichloropropene	ND	0.059	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
trans-1,3-Dichloropropene	ND	0.059	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
Ethylbenzene	ND	0.12	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
Hexachlorobutadiene	ND	0.12	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
2-Hexanone (MBK)	ND	1.2	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
Isopropylbenzene (Cumene)	ND	0.12	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
p-Isopropyltoluene (p-Cymene)	ND	0.12	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC3-SE-6 Sampled: 8/29/2017 10:45

Sample ID: 17H1544-07

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	0.12	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
Methylene Chloride	ND	0.59	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
4-Methyl-2-pentanone (MIBK)	ND	1.2	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
Naphthalene	ND	0.23	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
n-Propylbenzene	ND	0.12	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
Styrene	ND	0.12	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
1,1,1,2-Tetrachloroethane	ND	0.12	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
1,1,2,2-Tetrachloroethane	ND	0.059	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
Tetrachloroethylene	ND	0.12	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
Tetrahydrofuran	ND	1.2	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
Toluene	ND	0.12	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
1,2,3-Trichlorobenzene	ND	0.59	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
1,2,4-Trichlorobenzene	ND	0.12	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
1,1,1-Trichloroethane	ND	0.12	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
1,1,2-Trichloroethane	ND	0.12	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
Trichloroethylene	ND	0.12	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
Trichlorofluoromethane (Freon 11)	ND	0.23	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
1,2,3-Trichloropropane	ND	0.23	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.12	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
1,2,4-Trimethylbenzene	ND	0.12	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
1,3,5-Trimethylbenzene	ND	0.12	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
Vinyl Chloride	ND	0.23	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
m+p Xylene	ND	0.23	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
o-Xylene	ND	0.12	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	115	70-130		9/5/17 16:37
Toluene-d8	99.8	70-130		9/5/17 16:37
4-Bromofluorobenzene	96.0	70-130		9/5/17 16:37

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC3-SE-6 Sampled: 8/29/2017 10:45

Sample ID: 17H1544-07

Sample Matrix: Soil

Sample Flags: RL-12

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	1.2	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
Acenaphthylene	ND	1.2	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
Aniline	ND	2.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
Anthracene	ND	1.2	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
Benzo(a)anthracene	2.0	1.2	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
Benzo(a)pyrene	1.6	1.2	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
Benzo(b)fluoranthene	2.2	1.2	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
Benzo(g,h,i)perylene	ND	1.2	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
Benzo(k)fluoranthene	ND	1.2	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
Bis(2-chloroethoxy)methane	ND	2.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
Bis(2-chloroethyl)ether	ND	2.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
Bis(2-chloroisopropyl)ether	ND	2.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
Bis(2-Ethylhexyl)phthalate	ND	2.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
4-Bromophenylphenylether	ND	2.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
Butylbenzylphthalate	ND	2.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
Carbazole	ND	1.2	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
4-Chloroaniline	ND	4.7	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
4-Chloro-3-methylphenol	ND	4.7	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
2-Chloronaphthalene	ND	2.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
2-Chlorophenol	ND	2.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
4-Chlorophenylphenylether	ND	2.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
Chrysene	2.5	1.2	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
Dibenz(a,h)anthracene	ND	1.2	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
Dibenzofuran	ND	2.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
Di-n-butylphthalate	ND	2.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
3,3-Dichlorobenzidine	ND	1.2	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
2,4-Dichlorophenol	ND	2.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
Diethylphthalate	ND	2.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
2,4-Dimethylphenol	ND	2.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
Dimethylphthalate	ND	2.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
4,6-Dinitro-2-methylphenol	ND	2.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
2,4-Dinitrophenol	ND	4.7	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
2,4-Dinitrotoluene	ND	2.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
2,6-Dinitrotoluene	ND	2.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
Di-n-octylphthalate	ND	2.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
Fluoranthene	5.1	1.2	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
Fluorene	ND	1.2	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
Hexachlorobenzene	ND	2.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
Hexachlorobutadiene	ND	2.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
Hexachlorocyclopentadiene	ND	2.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
Hexachloroethane	ND	2.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
Indeno(1,2,3-cd)pyrene	ND	1.2	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
Isophorone	ND	2.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
2-Methylnaphthalene	ND	1.2	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC3-SE-6 Sampled: 8/29/2017 10:45

Sample ID: 17H1544-07

Sample Matrix: Soil

Sample Flags: RL-12

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Methylphenol	ND	2.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
3/4-Methylphenol	ND	2.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
Naphthalene	ND	1.2	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
2-Nitroaniline	ND	2.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
3-Nitroaniline	ND	2.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
4-Nitroaniline	ND	2.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
Nitrobenzene	ND	2.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
2-Nitrophenol	ND	2.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
4-Nitrophenol	ND	4.7	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
N-Nitrosodiphenylamine	ND	2.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
N-Nitrosodi-n-propylamine	ND	2.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
Pentachloronitrobenzene	ND	2.4	mg/Kg dry	4	V-16	SW-846 8270D	9/5/17	9/6/17 22:51	BGL
Pentachlorophenol	ND	2.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
Phenanthrene	2.6	1.2	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
Phenol	ND	2.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
Pyrene	5.2	1.2	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
Pyridine	ND	2.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
1,2,4,5-Tetrachlorobenzene	ND	2.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
1,2,4-Trichlorobenzene	ND	2.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
2,4,5-Trichlorophenol	ND	2.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
2,4,6-Trichlorophenol	ND	2.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	59.8	30-130		9/6/17 22:51
Phenol-d6	60.3	30-130		9/6/17 22:51
Nitrobenzene-d5	69.4	30-130		9/6/17 22:51
2-Fluorobiphenyl	59.4	30-130		9/6/17 22:51
2,4,6-Tribromophenol	76.5	30-130		9/6/17 22:51
p-Terphenyl-d14	79.4	30-130		9/6/17 22:51

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC3-SE-6 Sampled: 8/29/2017 10:45

Sample ID: 17H1544-07

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	1.4	mg/Kg dry	40		SW-846 8082A	9/6/17	9/10/17 0:18	TG
Aroclor-1221 [1]	ND	1.4	mg/Kg dry	40		SW-846 8082A	9/6/17	9/10/17 0:18	TG
Aroclor-1232 [1]	ND	1.4	mg/Kg dry	40		SW-846 8082A	9/6/17	9/10/17 0:18	TG
Aroclor-1242 [1]	ND	1.4	mg/Kg dry	40		SW-846 8082A	9/6/17	9/10/17 0:18	TG
Aroclor-1248 [1]	ND	1.4	mg/Kg dry	40		SW-846 8082A	9/6/17	9/10/17 0:18	TG
Aroclor-1254 [1]	ND	1.4	mg/Kg dry	40		SW-846 8082A	9/6/17	9/10/17 0:18	TG
Aroclor-1260 [1]	7.5	1.4	mg/Kg dry	40		SW-846 8082A	9/6/17	9/10/17 0:18	TG
Aroclor-1262 [1]	ND	1.4	mg/Kg dry	40		SW-846 8082A	9/6/17	9/10/17 0:18	TG
Aroclor-1268 [1]	ND	1.4	mg/Kg dry	40		SW-846 8082A	9/6/17	9/10/17 0:18	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	*	30-150	S-01	9/10/17 0:18
Decachlorobiphenyl [2]	*	30-150	S-01	9/10/17 0:18
Tetrachloro-m-xylene [1]	*	30-150	S-01	9/10/17 0:18
Tetrachloro-m-xylene [2]	*	30-150	S-01	9/10/17 0:18

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC3-SE-6 Sampled: 8/29/2017 10:45

Sample ID: 17H1544-07

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	2100	890	mg/Kg dry	50		CTDEP ETPH	9/5/17	9/7/17 20:08	PJG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
o-Terphenyl	*	50-150	S-01	9/7/17 20:08

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC3-SE-6 Sampled: 8/29/2017 10:45

Sample ID: 17H1544-07

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	9.9	4.4	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 17:10	QNW
Arsenic	8.8	4.4	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:52	QNW
Barium	98	4.4	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:52	QNW
Beryllium	ND	0.44	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 17:10	QNW
Cadmium	4.6	0.44	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 17:10	QNW
Chromium	33	0.88	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:52	QNW
Copper	530	0.88	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 17:10	QNW
Lead	190	1.3	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:52	QNW
Mercury	0.52	0.043	mg/Kg dry	1		SW-846 7471B	8/30/17	9/6/17 13:25	TJK
Nickel	47	0.88	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:52	QNW
Selenium	ND	8.8	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 17:10	QNW
Silver	ND	0.88	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:52	QNW
Thallium	ND	4.4	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:52	QNW
Vanadium	160	1.8	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:52	QNW
Zinc	610	1.8	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:52	QNW

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC3-SE-6 Sampled: 8/29/2017 10:45

Sample ID: 17H1544-07

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	56.0		% Wt	1		SM 2540G	8/31/17	9/1/17 8:37	MRL

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC8-SE-16 Sampled: 8/29/2017 12:00

Sample ID: 17H1544-08

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	0.10	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
Acrylonitrile	ND	0.0061	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
Benzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
Bromobenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
Bromodichloromethane	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
Bromoform	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
Bromomethane	ND	0.010	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
2-Butanone (MEK)	ND	0.041	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
n-Butylbenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
sec-Butylbenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
tert-Butylbenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
Carbon Disulfide	ND	0.0061	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
Carbon Tetrachloride	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
Chlorobenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
Chlorodibromomethane	ND	0.0010	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
Chloroethane	ND	0.020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
Chloroform	ND	0.0041	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
Chloromethane	ND	0.010	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
2-Chlorotoluene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
4-Chlorotoluene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
1,2-Dibromoethane (EDB)	ND	0.0010	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
Dibromomethane	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
1,2-Dichlorobenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
1,3-Dichlorobenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
1,4-Dichlorobenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
trans-1,4-Dichloro-2-butene	ND	0.0041	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
1,1-Dichloroethane	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
1,2-Dichloroethane	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
1,1-Dichloroethylene	ND	0.0041	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
cis-1,2-Dichloroethylene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
trans-1,2-Dichloroethylene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
1,2-Dichloropropane	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
1,3-Dichloropropane	ND	0.0010	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
2,2-Dichloropropane	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
1,1-Dichloropropene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
cis-1,3-Dichloropropene	ND	0.0010	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
trans-1,3-Dichloropropene	ND	0.0010	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
Ethylbenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
Hexachlorobutadiene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
2-Hexanone (MBK)	ND	0.020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
Isopropylbenzene (Cumene)	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC8-SE-16 Sampled: 8/29/2017 12:00

Sample ID: 17H1544-08

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	0.0041	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
Methylene Chloride	ND	0.020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
Naphthalene	ND	0.0041	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
n-Propylbenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
Styrene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
1,1,1,2-Tetrachloroethane	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
1,1,2,2-Tetrachloroethane	ND	0.0041	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
Tetrachloroethylene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
Tetrahydrofuran	ND	0.010	mg/Kg dry	1	V-16	SW-846 8260C	8/30/17	8/30/17 11:12	MFF
Toluene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
1,2,3-Trichlorobenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
1,2,4-Trichlorobenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
1,1,1-Trichloroethane	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
1,1,2-Trichloroethane	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
Trichloroethylene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
Trichlorofluoromethane (Freon 11)	ND	0.010	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
1,2,3-Trichloropropane	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.010	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
1,2,4-Trimethylbenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
1,3,5-Trimethylbenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
Vinyl Chloride	ND	0.010	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
m+p Xylene	ND	0.0041	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
o-Xylene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	99.1	70-130		8/30/17 11:12
Toluene-d8	103	70-130		8/30/17 11:12
4-Bromofluorobenzene	100	70-130		8/30/17 11:12

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC8-SE-16 Sampled: 8/29/2017 12:00

Sample ID: 17H1544-08

Sample Matrix: Soil

Sample Flags: RL-12

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	13	3.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
Acenaphthene	ND	31	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
Acenaphthylene	4.2	3.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
Acenaphthylene	ND	31	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
Aniline	ND	6.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
Aniline	ND	61	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
Anthracene	29	3.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
Anthracene	ND	31	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
Benzo(a)anthracene	77	3.1	mg/Kg dry	8	E	SW-846 8270D	9/5/17	9/6/17 23:14	BGL
Benzo(a)anthracene	84	31	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
Benzo(a)pyrene	65	3.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
Benzo(a)pyrene	68	31	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
Benzo(b)fluoranthene	77	3.1	mg/Kg dry	8	E	SW-846 8270D	9/5/17	9/6/17 23:14	BGL
Benzo(b)fluoranthene	84	31	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
Benzo(g,h,i)perylene	42	3.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
Benzo(g,h,i)perylene	45	31	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
Benzo(k)fluoranthene	30	3.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
Benzo(k)fluoranthene	31	31	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
Bis(2-chloroethoxy)methane	ND	6.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
Bis(2-chloroethoxy)methane	ND	61	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
Bis(2-chloroethyl)ether	ND	6.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
Bis(2-chloroethyl)ether	ND	61	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
Bis(2-chloroisopropyl)ether	ND	6.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
Bis(2-chloroisopropyl)ether	ND	61	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
Bis(2-Ethylhexyl)phthalate	ND	6.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
Bis(2-Ethylhexyl)phthalate	ND	61	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
4-Bromophenylphenylether	ND	6.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
4-Bromophenylphenylether	ND	61	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
Butylbenzylphthalate	ND	6.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
Butylbenzylphthalate	ND	61	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
Carbazole	16	3.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
Carbazole	ND	31	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
4-Chloroaniline	ND	12	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
4-Chloroaniline	ND	120	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
4-Chloro-3-methylphenol	ND	12	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
4-Chloro-3-methylphenol	ND	120	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
2-Chloronaphthalene	ND	6.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
2-Chloronaphthalene	ND	61	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
2-Chlorophenol	ND	6.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
2-Chlorophenol	ND	61	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
4-Chlorophenylphenylether	ND	6.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
4-Chlorophenylphenylether	ND	61	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
Chrysene	76	3.1	mg/Kg dry	8	E	SW-846 8270D	9/5/17	9/6/17 23:14	BGL
Chrysene	79	31	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC8-SE-16 Sampled: 8/29/2017 12:00

Sample ID: 17H1544-08

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Dibenz(a,h)anthracene	10	3.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
Dibenz(a,h)anthracene	ND	31	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
Dibenzofuran	6.6	6.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
Dibenzofuran	ND	61	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
Di-n-butylphthalate	ND	6.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
Di-n-butylphthalate	ND	61	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
3,3-Dichlorobenzidine	ND	3.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
3,3-Dichlorobenzidine	ND	31	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
2,4-Dichlorophenol	ND	6.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
2,4-Dichlorophenol	ND	61	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
Diethylphthalate	ND	6.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
Diethylphthalate	ND	61	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
2,4-Dimethylphenol	ND	6.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
2,4-Dimethylphenol	ND	61	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
Dimethylphthalate	ND	6.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
Dimethylphthalate	ND	61	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
4,6-Dinitro-2-methylphenol	ND	6.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
4,6-Dinitro-2-methylphenol	ND	61	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
2,4-Dinitrophenol	ND	12	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
2,4-Dinitrophenol	ND	120	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
2,4-Dinitrotoluene	ND	6.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
2,4-Dinitrotoluene	ND	61	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
2,6-Dinitrotoluene	ND	6.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
2,6-Dinitrotoluene	ND	61	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
Di-n-octylphthalate	ND	6.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
Di-n-octylphthalate	ND	61	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
Fluoranthene	180	3.1	mg/Kg dry	8	E	SW-846 8270D	9/5/17	9/6/17 23:14	BGL
Fluoranthene	160	31	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
Fluorene	13	3.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
Fluorene	ND	31	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
Hexachlorobenzene	ND	6.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
Hexachlorobenzene	ND	61	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
Hexachlorobutadiene	ND	6.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
Hexachlorobutadiene	ND	61	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
Hexachlorocyclopentadiene	ND	6.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
Hexachlorocyclopentadiene	ND	61	mg/Kg dry	80	V-05	SW-846 8270D	9/5/17	9/7/17 2:24	BGL
Hexachloroethane	ND	6.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
Hexachloroethane	ND	61	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
Indeno(1,2,3-cd)pyrene	42	3.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
Indeno(1,2,3-cd)pyrene	46	31	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
Isophorone	ND	6.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
Isophorone	ND	61	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
2-Methylnaphthalene	ND	3.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
2-Methylnaphthalene	ND	31	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC8-SE-16 Sampled: 8/29/2017 12:00

Sample ID: 17H1544-08

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Methylphenol	ND	6.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
2-Methylphenol	ND	61	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
3/4-Methylphenol	ND	6.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
3/4-Methylphenol	ND	61	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
Naphthalene	5.9	3.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
Naphthalene	ND	31	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
2-Nitroaniline	ND	6.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
2-Nitroaniline	ND	61	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
3-Nitroaniline	ND	6.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
3-Nitroaniline	ND	61	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
4-Nitroaniline	ND	6.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
4-Nitroaniline	ND	61	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
Nitrobenzene	ND	6.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
Nitrobenzene	ND	61	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
2-Nitrophenol	ND	6.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
2-Nitrophenol	ND	61	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
4-Nitrophenol	ND	12	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
4-Nitrophenol	ND	120	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
N-Nitrosodiphenylamine	ND	6.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
N-Nitrosodiphenylamine	ND	61	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
N-Nitrosodi-n-propylamine	ND	6.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
N-Nitrosodi-n-propylamine	ND	61	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
Pentachloronitrobenzene	ND	6.1	mg/Kg dry	8	V-16	SW-846 8270D	9/5/17	9/6/17 23:14	BGL
Pentachloronitrobenzene	ND	61	mg/Kg dry	80	V-16	SW-846 8270D	9/5/17	9/7/17 2:24	BGL
Pentachlorophenol	ND	6.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
Pentachlorophenol	ND	61	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
Phenanthrene	140	3.1	mg/Kg dry	8	E	SW-846 8270D	9/5/17	9/6/17 23:14	BGL
Phenanthrene	120	31	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
Phenol	ND	6.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
Phenol	ND	61	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
Pyrene	150	3.1	mg/Kg dry	8	E	SW-846 8270D	9/5/17	9/6/17 23:14	BGL
Pyrene	160	31	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
Pyridine	ND	6.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
Pyridine	ND	61	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
1,2,4,5-Tetrachlorobenzene	ND	6.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
1,2,4,5-Tetrachlorobenzene	ND	61	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
1,2,4-Trichlorobenzene	ND	6.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
1,2,4-Trichlorobenzene	ND	61	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
2,4,5-Trichlorophenol	ND	6.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
2,4,5-Trichlorophenol	ND	61	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
2,4,6-Trichlorophenol	ND	6.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
2,4,6-Trichlorophenol	ND	61	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	37.8	30-130		9/6/17 23:14

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC8-SE-16 Sampled: 8/29/2017 12:00

Sample ID: 17H1544-08

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Surrogates		**% Recovery**	**Recovery Limits**		**Flag/Qual**				
2-Fluorophenol		48.8	30-130					9/7/17 2:24	
Phenol-d6		37.6	30-130					9/6/17 23:14	
Phenol-d6		44.8	30-130					9/7/17 2:24	
Nitrobenzene-d5		45.4	30-130					9/6/17 23:14	
Nitrobenzene-d5		57.6	30-130					9/7/17 2:24	
2-Fluorobiphenyl		42.2	30-130					9/6/17 23:14	
2-Fluorobiphenyl		48.0	30-130					9/7/17 2:24	
2,4,6-Tribromophenol		50.5	30-130					9/6/17 23:14	
2,4,6-Tribromophenol		56.8	30-130					9/7/17 2:24	
p-Terphenyl-d14		55.8	30-130					9/6/17 23:14	
p-Terphenyl-d14		76.8	30-130					9/7/17 2:24	

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC8-SE-16 Sampled: 8/29/2017 12:00

Sample ID: 17H1544-08

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	220	mg/Kg dry	10000		SW-846 8082A	9/6/17	9/10/17 9:08	TG
Aroclor-1221 [1]	ND	220	mg/Kg dry	10000		SW-846 8082A	9/6/17	9/10/17 9:08	TG
Aroclor-1232 [1]	ND	220	mg/Kg dry	10000		SW-846 8082A	9/6/17	9/10/17 9:08	TG
Aroclor-1242 [1]	ND	220	mg/Kg dry	10000		SW-846 8082A	9/6/17	9/10/17 9:08	TG
Aroclor-1248 [1]	ND	220	mg/Kg dry	10000		SW-846 8082A	9/6/17	9/10/17 9:08	TG
Aroclor-1254 [1]	ND	220	mg/Kg dry	10000		SW-846 8082A	9/6/17	9/10/17 9:08	TG
Aroclor-1260 [1]	2300	220	mg/Kg dry	10000		SW-846 8082A	9/6/17	9/10/17 9:08	TG
Aroclor-1262 [1]	ND	220	mg/Kg dry	10000		SW-846 8082A	9/6/17	9/10/17 9:08	TG
Aroclor-1268 [1]	ND	220	mg/Kg dry	10000		SW-846 8082A	9/6/17	9/10/17 9:08	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	*	30-150	S-01	9/10/17 9:08
Decachlorobiphenyl [2]	*	30-150	S-01	9/10/17 9:08
Tetrachloro-m-xylene [1]	*	30-150	S-01	9/10/17 9:08
Tetrachloro-m-xylene [2]	*	30-150	S-01	9/10/17 9:08

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Project Location: 510 Grand Ave., New Haven, CT
Sample Description:
Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC8-SE-16
Sampled: 8/29/2017 12:00

Sample ID: 17H1544-08

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	6300	1100	mg/Kg dry	50		CTDEP ETPH	9/5/17	9/7/17 20:25	PJG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
o-Terphenyl	*	50-150	S-01	9/7/17 20:25

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC8-SE-16 Sampled: 8/29/2017 12:00

Sample ID: 17H1544-08

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	21	2.8	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 17:35	QNW
Arsenic	37	2.8	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:58	QNW
Barium	120	2.8	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:58	QNW
Beryllium	ND	0.28	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 17:35	QNW
Cadmium	2.3	0.28	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 17:35	QNW
Chromium	51	0.56	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:58	QNW
Copper	290	0.56	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 17:35	QNW
Lead	230	0.84	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:58	QNW
Mercury	0.12	0.028	mg/Kg dry	1		SW-846 7471B	8/30/17	9/5/17 14:39	TJK
Nickel	87	0.56	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:58	QNW
Selenium	ND	5.6	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 17:35	QNW
Silver	ND	2.8	mg/Kg dry	5	DL-04	SW-846 6010C-D	9/5/17	9/7/17 18:49	QNW
Thallium	ND	2.8	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/11/17 15:37	QNW
Vanadium	280	1.1	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:58	QNW
Zinc	380	1.1	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:58	QNW

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC8-SE-16 Sampled: 8/29/2017 12:00

Sample ID: 17H1544-08

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	88.6		% Wt	1		SM 2540G	8/31/17	9/1/17 8:37	MRL

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC8-SE-17 Sampled: 8/29/2017 12:15

Sample ID: 17H1544-09

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	0.10	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
Acrylonitrile	ND	0.0062	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
Benzene	ND	0.0021	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
Bromobenzene	ND	0.0021	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
Bromodichloromethane	ND	0.0021	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
Bromoform	ND	0.0021	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
Bromomethane	ND	0.010	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
2-Butanone (MEK)	ND	0.041	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
n-Butylbenzene	ND	0.0021	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
sec-Butylbenzene	ND	0.0021	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
tert-Butylbenzene	ND	0.0021	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
Carbon Disulfide	ND	0.0062	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
Carbon Tetrachloride	ND	0.0021	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
Chlorobenzene	ND	0.0021	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
Chlorodibromomethane	ND	0.0010	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
Chloroethane	ND	0.021	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
Chloroform	ND	0.0041	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
Chloromethane	ND	0.010	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
2-Chlorotoluene	ND	0.0021	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
4-Chlorotoluene	ND	0.0021	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0021	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
1,2-Dibromoethane (EDB)	ND	0.0010	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
Dibromomethane	ND	0.0021	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
1,2-Dichlorobenzene	ND	0.0021	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
1,3-Dichlorobenzene	ND	0.0021	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
1,4-Dichlorobenzene	ND	0.0021	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
trans-1,4-Dichloro-2-butene	ND	0.0041	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.021	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
1,1-Dichloroethane	ND	0.0021	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
1,2-Dichloroethane	ND	0.0021	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
1,1-Dichloroethylene	ND	0.0041	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
cis-1,2-Dichloroethylene	ND	0.0021	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
trans-1,2-Dichloroethylene	ND	0.0021	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
1,2-Dichloropropane	ND	0.0021	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
1,3-Dichloropropane	ND	0.0010	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
2,2-Dichloropropane	ND	0.0021	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
1,1-Dichloropropene	ND	0.0021	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
cis-1,3-Dichloropropene	ND	0.0010	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
trans-1,3-Dichloropropene	ND	0.0010	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
Ethylbenzene	ND	0.0021	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
Hexachlorobutadiene	ND	0.0021	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
2-Hexanone (MBK)	ND	0.021	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
Isopropylbenzene (Cumene)	ND	0.0021	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0021	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC8-SE-17 Sampled: 8/29/2017 12:15

Sample ID: 17H1544-09

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	0.0041	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
Methylene Chloride	ND	0.021	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.021	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
Naphthalene	ND	0.0041	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
n-Propylbenzene	ND	0.0021	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
Styrene	ND	0.0021	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
1,1,1,2-Tetrachloroethane	ND	0.0021	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
1,1,2,2-Tetrachloroethane	ND	0.0041	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
Tetrachloroethylene	ND	0.0021	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
Tetrahydrofuran	ND	0.010	mg/Kg dry	1	V-16	SW-846 8260C	8/30/17	8/30/17 12:08	MFF
Toluene	ND	0.0021	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
1,2,3-Trichlorobenzene	ND	0.0021	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
1,2,4-Trichlorobenzene	ND	0.0021	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
1,1,1-Trichloroethane	ND	0.0021	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
1,1,2-Trichloroethane	ND	0.0021	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
Trichloroethylene	ND	0.0021	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
Trichlorofluoromethane (Freon 11)	ND	0.010	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
1,2,3-Trichloropropane	ND	0.0021	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.010	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
1,2,4-Trimethylbenzene	ND	0.0021	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
1,3,5-Trimethylbenzene	ND	0.0021	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
Vinyl Chloride	ND	0.010	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
m+p Xylene	ND	0.0041	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
o-Xylene	ND	0.0021	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	101	70-130		8/30/17 12:08
Toluene-d8	104	70-130		8/30/17 12:08
4-Bromofluorobenzene	101	70-130		8/30/17 12:08

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC8-SE-17 Sampled: 8/29/2017 12:15

Sample ID: 17H1544-09

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	57	40	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
Acenaphthene	74	2.0	mg/Kg dry	5	E	SW-846 8270D	9/5/17	9/6/17 23:38	BGL
Acenaphthylene	ND	40	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
Acenaphthylene	ND	2.0	mg/Kg dry	5		SW-846 8270D	9/5/17	9/6/17 23:38	BGL
Aniline	ND	80	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
Aniline	ND	4.0	mg/Kg dry	5		SW-846 8270D	9/5/17	9/6/17 23:38	BGL
Anthracene	70	40	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
Anthracene	88	2.0	mg/Kg dry	5	E	SW-846 8270D	9/5/17	9/6/17 23:38	BGL
Benzo(a)anthracene	220	40	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
Benzo(a)anthracene	230	2.0	mg/Kg dry	5	E	SW-846 8270D	9/5/17	9/6/17 23:38	BGL
Benzo(a)pyrene	200	40	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
Benzo(a)pyrene	240	2.0	mg/Kg dry	5	E	SW-846 8270D	9/5/17	9/6/17 23:38	BGL
Benzo(b)fluoranthene	220	40	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
Benzo(b)fluoranthene	280	2.0	mg/Kg dry	5	E	SW-846 8270D	9/5/17	9/6/17 23:38	BGL
Benzo(g,h,i)perylene	130	40	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
Benzo(g,h,i)perylene	130	2.0	mg/Kg dry	5	E	SW-846 8270D	9/5/17	9/6/17 23:38	BGL
Benzo(k)fluoranthene	91	40	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
Benzo(k)fluoranthene	92	2.0	mg/Kg dry	5	E	SW-846 8270D	9/5/17	9/6/17 23:38	BGL
Bis(2-chloroethoxy)methane	ND	80	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
Bis(2-chloroethoxy)methane	ND	4.0	mg/Kg dry	5		SW-846 8270D	9/5/17	9/6/17 23:38	BGL
Bis(2-chloroethyl)ether	ND	80	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
Bis(2-chloroethyl)ether	ND	4.0	mg/Kg dry	5		SW-846 8270D	9/5/17	9/6/17 23:38	BGL
Bis(2-chloroisopropyl)ether	ND	80	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
Bis(2-chloroisopropyl)ether	ND	4.0	mg/Kg dry	5		SW-846 8270D	9/5/17	9/6/17 23:38	BGL
Bis(2-Ethylhexyl)phthalate	ND	80	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
Bis(2-Ethylhexyl)phthalate	ND	4.0	mg/Kg dry	5		SW-846 8270D	9/5/17	9/6/17 23:38	BGL
4-Bromophenylphenylether	ND	80	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
4-Bromophenylphenylether	ND	4.0	mg/Kg dry	5		SW-846 8270D	9/5/17	9/6/17 23:38	BGL
Butylbenzylphthalate	ND	80	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
Butylbenzylphthalate	ND	4.0	mg/Kg dry	5		SW-846 8270D	9/5/17	9/6/17 23:38	BGL
Carbazole	ND	40	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
Carbazole	43	2.0	mg/Kg dry	5		SW-846 8270D	9/5/17	9/6/17 23:38	BGL
4-Chloroaniline	ND	160	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
4-Chloroaniline	ND	7.8	mg/Kg dry	5		SW-846 8270D	9/5/17	9/6/17 23:38	BGL
4-Chloro-3-methylphenol	ND	160	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
4-Chloro-3-methylphenol	ND	7.8	mg/Kg dry	5		SW-846 8270D	9/5/17	9/6/17 23:38	BGL
2-Chloronaphthalene	ND	80	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
2-Chloronaphthalene	ND	4.0	mg/Kg dry	5		SW-846 8270D	9/5/17	9/6/17 23:38	BGL
2-Chlorophenol	ND	80	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
2-Chlorophenol	ND	4.0	mg/Kg dry	5		SW-846 8270D	9/5/17	9/6/17 23:38	BGL
4-Chlorophenylphenylether	ND	80	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
4-Chlorophenylphenylether	ND	4.0	mg/Kg dry	5		SW-846 8270D	9/5/17	9/6/17 23:38	BGL
Chrysene	210	40	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
Chrysene	220	2.0	mg/Kg dry	5	E	SW-846 8270D	9/5/17	9/6/17 23:38	BGL

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC8-SE-17 Sampled: 8/29/2017 12:15

Sample ID: 17H1544-09

Sample Matrix: Soil

Sample Flags: RL-12

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Dibenz(a,h)anthracene	ND	40	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
Dibenz(a,h)anthracene	34	2.0	mg/Kg dry	5		SW-846 8270D	9/5/17	9/6/17 23:38	BGL
Dibenzofuran	ND	80	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
Dibenzofuran	22	4.0	mg/Kg dry	5		SW-846 8270D	9/5/17	9/6/17 23:38	BGL
Di-n-butylphthalate	ND	80	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
Di-n-butylphthalate	ND	4.0	mg/Kg dry	5		SW-846 8270D	9/5/17	9/6/17 23:38	BGL
3,3-Dichlorobenzidine	ND	40	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
3,3-Dichlorobenzidine	ND	2.0	mg/Kg dry	5		SW-846 8270D	9/5/17	9/6/17 23:38	BGL
2,4-Dichlorophenol	ND	80	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
2,4-Dichlorophenol	ND	4.0	mg/Kg dry	5		SW-846 8270D	9/5/17	9/6/17 23:38	BGL
Diethylphthalate	ND	80	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
Diethylphthalate	ND	4.0	mg/Kg dry	5		SW-846 8270D	9/5/17	9/6/17 23:38	BGL
2,4-Dimethylphenol	ND	80	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
2,4-Dimethylphenol	ND	4.0	mg/Kg dry	5		SW-846 8270D	9/5/17	9/6/17 23:38	BGL
Dimethylphthalate	ND	80	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
Dimethylphthalate	ND	4.0	mg/Kg dry	5		SW-846 8270D	9/5/17	9/6/17 23:38	BGL
4,6-Dinitro-2-methylphenol	ND	80	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
4,6-Dinitro-2-methylphenol	ND	4.0	mg/Kg dry	5		SW-846 8270D	9/5/17	9/6/17 23:38	BGL
2,4-Dinitrophenol	ND	160	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
2,4-Dinitrophenol	ND	7.8	mg/Kg dry	5		SW-846 8270D	9/5/17	9/6/17 23:38	BGL
2,4-Dinitrotoluene	ND	80	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
2,4-Dinitrotoluene	ND	4.0	mg/Kg dry	5		SW-846 8270D	9/5/17	9/6/17 23:38	BGL
2,6-Dinitrotoluene	ND	80	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
2,6-Dinitrotoluene	ND	4.0	mg/Kg dry	5		SW-846 8270D	9/5/17	9/6/17 23:38	BGL
Di-n-octylphthalate	ND	80	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
Di-n-octylphthalate	ND	4.0	mg/Kg dry	5		SW-846 8270D	9/5/17	9/6/17 23:38	BGL
Fluoranthene	460	40	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
Fluoranthene	440	2.0	mg/Kg dry	5	E	SW-846 8270D	9/5/17	9/6/17 23:38	BGL
Fluorene	ND	40	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
Fluorene	39	2.0	mg/Kg dry	5		SW-846 8270D	9/5/17	9/6/17 23:38	BGL
Hexachlorobenzene	ND	80	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
Hexachlorobenzene	ND	4.0	mg/Kg dry	5		SW-846 8270D	9/5/17	9/6/17 23:38	BGL
Hexachlorobutadiene	ND	80	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
Hexachlorobutadiene	ND	4.0	mg/Kg dry	5		SW-846 8270D	9/5/17	9/6/17 23:38	BGL
Hexachlorocyclopentadiene	ND	80	mg/Kg dry	100	V-05	SW-846 8270D	9/5/17	9/7/17 13:16	BGL
Hexachlorocyclopentadiene	ND	4.0	mg/Kg dry	5		SW-846 8270D	9/5/17	9/6/17 23:38	BGL
Hexachloroethane	ND	80	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
Hexachloroethane	ND	4.0	mg/Kg dry	5		SW-846 8270D	9/5/17	9/6/17 23:38	BGL
Indeno(1,2,3-cd)pyrene	140	40	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
Indeno(1,2,3-cd)pyrene	150	2.0	mg/Kg dry	5	E	SW-846 8270D	9/5/17	9/6/17 23:38	BGL
Isophorone	ND	80	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
Isophorone	ND	4.0	mg/Kg dry	5		SW-846 8270D	9/5/17	9/6/17 23:38	BGL
2-Methylnaphthalene	ND	40	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
2-Methylnaphthalene	12	2.0	mg/Kg dry	5		SW-846 8270D	9/5/17	9/6/17 23:38	BGL

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC8-SE-17 Sampled: 8/29/2017 12:15

Sample ID: 17H1544-09

Sample Matrix: Soil

Sample Flags: RL-12

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Methylphenol	ND	80	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
2-Methylphenol	ND	4.0	mg/Kg dry	5		SW-846 8270D	9/5/17	9/6/17 23:38	BGL
3/4-Methylphenol	ND	80	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
3/4-Methylphenol	ND	4.0	mg/Kg dry	5		SW-846 8270D	9/5/17	9/6/17 23:38	BGL
Naphthalene	ND	40	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
Naphthalene	28	2.0	mg/Kg dry	5		SW-846 8270D	9/5/17	9/6/17 23:38	BGL
2-Nitroaniline	ND	80	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
2-Nitroaniline	ND	4.0	mg/Kg dry	5		SW-846 8270D	9/5/17	9/6/17 23:38	BGL
3-Nitroaniline	ND	80	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
3-Nitroaniline	ND	4.0	mg/Kg dry	5		SW-846 8270D	9/5/17	9/6/17 23:38	BGL
4-Nitroaniline	ND	80	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
4-Nitroaniline	ND	4.0	mg/Kg dry	5		SW-846 8270D	9/5/17	9/6/17 23:38	BGL
Nitrobenzene	ND	80	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
Nitrobenzene	ND	4.0	mg/Kg dry	5		SW-846 8270D	9/5/17	9/6/17 23:38	BGL
2-Nitrophenol	ND	80	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
2-Nitrophenol	ND	4.0	mg/Kg dry	5		SW-846 8270D	9/5/17	9/6/17 23:38	BGL
4-Nitrophenol	ND	160	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
4-Nitrophenol	ND	7.8	mg/Kg dry	5		SW-846 8270D	9/5/17	9/6/17 23:38	BGL
N-Nitrosodiphenylamine	ND	80	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
N-Nitrosodiphenylamine	ND	4.0	mg/Kg dry	5		SW-846 8270D	9/5/17	9/6/17 23:38	BGL
N-Nitrosodi-n-propylamine	ND	80	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
N-Nitrosodi-n-propylamine	ND	4.0	mg/Kg dry	5		SW-846 8270D	9/5/17	9/6/17 23:38	BGL
Pentachloronitrobenzene	ND	80	mg/Kg dry	100	V-16	SW-846 8270D	9/5/17	9/7/17 13:16	BGL
Pentachloronitrobenzene	ND	4.0	mg/Kg dry	5	V-16	SW-846 8270D	9/5/17	9/6/17 23:38	BGL
Pentachlorophenol	ND	80	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
Pentachlorophenol	ND	4.0	mg/Kg dry	5		SW-846 8270D	9/5/17	9/6/17 23:38	BGL
Phenanthrene	350	40	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
Phenanthrene	330	2.0	mg/Kg dry	5	E	SW-846 8270D	9/5/17	9/6/17 23:38	BGL
Phenol	ND	80	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
Phenol	ND	4.0	mg/Kg dry	5		SW-846 8270D	9/5/17	9/6/17 23:38	BGL
Pyrene	390	40	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
Pyrene	480	2.0	mg/Kg dry	5	E	SW-846 8270D	9/5/17	9/6/17 23:38	BGL
Pyridine	ND	80	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
Pyridine	ND	4.0	mg/Kg dry	5		SW-846 8270D	9/5/17	9/6/17 23:38	BGL
1,2,4,5-Tetrachlorobenzene	ND	80	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
1,2,4,5-Tetrachlorobenzene	ND	4.0	mg/Kg dry	5		SW-846 8270D	9/5/17	9/6/17 23:38	BGL
1,2,4-Trichlorobenzene	ND	80	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
1,2,4-Trichlorobenzene	ND	4.0	mg/Kg dry	5		SW-846 8270D	9/5/17	9/6/17 23:38	BGL
2,4,5-Trichlorophenol	ND	80	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
2,4,5-Trichlorophenol	ND	4.0	mg/Kg dry	5		SW-846 8270D	9/5/17	9/6/17 23:38	BGL
2,4,6-Trichlorophenol	ND	80	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
2,4,6-Trichlorophenol	ND	4.0	mg/Kg dry	5		SW-846 8270D	9/5/17	9/6/17 23:38	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	*	30-130	S-01	9/7/17 13:16

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC8-SE-17 Sampled: 8/29/2017 12:15

Sample ID: 17H1544-09

Sample Matrix: Soil

Sample Flags: RL-12

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL		Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Surrogates		**% Recovery**		**Recovery Limits**		**Flag/Qual**				
2-Fluorophenol		56.3		30-130					9/6/17 23:38	
Phenol-d6			*	30-130		S-01			9/7/17 13:16	
Phenol-d6		58.0		30-130					9/6/17 23:38	
Nitrobenzene-d5			*	30-130		S-01			9/7/17 13:16	
Nitrobenzene-d5		66.9		30-130					9/6/17 23:38	
2-Fluorobiphenyl			*	30-130		S-01			9/7/17 13:16	
2-Fluorobiphenyl		63.4		30-130					9/6/17 23:38	
2,4,6-Tribromophenol			*	30-130		S-01			9/7/17 13:16	
2,4,6-Tribromophenol		72.8		30-130					9/6/17 23:38	
p-Terphenyl-d14			*	30-130		S-01			9/7/17 13:16	
p-Terphenyl-d14		85.1		30-130					9/6/17 23:38	

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC8-SE-17 Sampled: 8/29/2017 12:15

Sample ID: 17H1544-09

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	1.8	mg/Kg dry	80		SW-846 8082A	9/6/17	9/10/17 1:21	TG
Aroclor-1221 [1]	ND	1.8	mg/Kg dry	80		SW-846 8082A	9/6/17	9/10/17 1:21	TG
Aroclor-1232 [1]	ND	1.8	mg/Kg dry	80		SW-846 8082A	9/6/17	9/10/17 1:21	TG
Aroclor-1242 [1]	ND	1.8	mg/Kg dry	80		SW-846 8082A	9/6/17	9/10/17 1:21	TG
Aroclor-1248 [1]	ND	1.8	mg/Kg dry	80		SW-846 8082A	9/6/17	9/10/17 1:21	TG
Aroclor-1254 [1]	ND	1.8	mg/Kg dry	80		SW-846 8082A	9/6/17	9/10/17 1:21	TG
Aroclor-1260 [1]	14	1.8	mg/Kg dry	80		SW-846 8082A	9/6/17	9/10/17 1:21	TG
Aroclor-1262 [1]	ND	1.8	mg/Kg dry	80		SW-846 8082A	9/6/17	9/10/17 1:21	TG
Aroclor-1268 [1]	ND	1.8	mg/Kg dry	80		SW-846 8082A	9/6/17	9/10/17 1:21	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	*	30-150	S-01	9/10/17 1:21
Decachlorobiphenyl [2]	*	30-150	S-01	9/10/17 1:21
Tetrachloro-m-xylene [1]	*	30-150	S-01	9/10/17 1:21
Tetrachloro-m-xylene [2]	*	30-150	S-01	9/10/17 1:21

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC8-SE-17 Sampled: 8/29/2017 12:15

Sample ID: 17H1544-09

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	7400	1200	mg/Kg dry	50		CTDEP ETPH	9/5/17	9/7/17 20:43	PJG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
o-Terphenyl	*	50-150	S-01	9/7/17 20:43

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC8-SE-17 Sampled: 8/29/2017 12:15

Sample ID: 17H1544-09

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	25	2.9	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 17:38	QNW
Arsenic	25	2.9	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 20:04	QNW
Barium	130	2.9	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 20:04	QNW
Beryllium	ND	0.29	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 17:38	QNW
Cadmium	3.4	0.29	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 17:38	QNW
Chromium	97	0.59	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 20:04	QNW
Copper	570	0.59	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 17:38	QNW
Lead	1800	0.88	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 20:04	QNW
Mercury	0.35	0.029	mg/Kg dry	1		SW-846 7471B	8/30/17	9/5/17 14:41	TJK
Nickel	210	0.59	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 20:04	QNW
Selenium	ND	5.9	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 17:38	QNW
Silver	ND	2.9	mg/Kg dry	5	DL-04	SW-846 6010C-D	9/5/17	9/7/17 18:54	QNW
Thallium	ND	2.9	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/11/17 15:54	QNW
Vanadium	2000	1.2	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 20:04	QNW
Zinc	1100	1.2	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 20:04	QNW

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC8-SE-17 Sampled: 8/29/2017 12:15

Sample ID: 17H1544-09

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	84.9		% Wt	1		SM 2540G	8/31/17	9/1/17 8:37	MRL

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: AS-AOC8-SE-18 Sampled: 8/29/2017 12:30

Sample ID: 17H1544-10

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	0.091	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
Acrylonitrile	ND	0.0055	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
Benzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
Bromobenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
Bromodichloromethane	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
Bromoform	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
Bromomethane	ND	0.0091	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
2-Butanone (MEK)	ND	0.036	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
n-Butylbenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
sec-Butylbenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
tert-Butylbenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
Carbon Disulfide	ND	0.0055	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
Carbon Tetrachloride	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
Chlorobenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
Chlorodibromomethane	ND	0.00091	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
Chloroethane	ND	0.018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
Chloroform	ND	0.0036	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
Chloromethane	ND	0.0091	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
2-Chlorotoluene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
4-Chlorotoluene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
1,2-Dibromoethane (EDB)	ND	0.00091	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
Dibromomethane	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
1,2-Dichlorobenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
1,3-Dichlorobenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
1,4-Dichlorobenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
trans-1,4-Dichloro-2-butene	ND	0.0036	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
1,1-Dichloroethane	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
1,2-Dichloroethane	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
1,1-Dichloroethylene	ND	0.0036	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
cis-1,2-Dichloroethylene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
trans-1,2-Dichloroethylene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
1,2-Dichloropropane	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
1,3-Dichloropropane	ND	0.00091	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
2,2-Dichloropropane	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
1,1-Dichloropropene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
cis-1,3-Dichloropropene	ND	0.00091	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
trans-1,3-Dichloropropene	ND	0.00091	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
Ethylbenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
Hexachlorobutadiene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
2-Hexanone (MBK)	ND	0.018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
Isopropylbenzene (Cumene)	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: AS-AOC8-SE-18 Sampled: 8/29/2017 12:30

Sample ID: 17H1544-10

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	0.0036	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
Methylene Chloride	ND	0.018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
Naphthalene	ND	0.0036	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
n-Propylbenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
Styrene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
1,1,1,2-Tetrachloroethane	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
1,1,2,2-Tetrachloroethane	ND	0.0036	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
Tetrachloroethylene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
Tetrahydrofuran	ND	0.0091	mg/Kg dry	1	V-16	SW-846 8260C	8/30/17	8/30/17 11:40	MFF
Toluene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
1,2,3-Trichlorobenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
1,2,4-Trichlorobenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
1,1,1-Trichloroethane	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
1,1,2-Trichloroethane	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
Trichloroethylene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
Trichlorofluoromethane (Freon 11)	ND	0.0091	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
1,2,3-Trichloropropane	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0091	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
1,2,4-Trimethylbenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
1,3,5-Trimethylbenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
Vinyl Chloride	ND	0.0091	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
m+p Xylene	ND	0.0036	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
o-Xylene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	101	70-130		8/30/17 11:40
Toluene-d8	105	70-130		8/30/17 11:40
4-Bromofluorobenzene	102	70-130		8/30/17 11:40

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: AS-AOC8-SE-18 Sampled: 8/29/2017 12:30

Sample ID: 17H1544-10

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	4.2	4.1	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
Acenaphthene	4.1	0.82	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL
Acenaphthylene	ND	4.1	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
Acenaphthylene	ND	0.82	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL
Aniline	ND	8.2	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
Aniline	ND	1.6	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL
Anthracene	6.6	4.1	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
Anthracene	6.7	0.82	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL
Benzo(a)anthracene	31	4.1	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
Benzo(a)anthracene	31	0.82	mg/Kg dry	4	E	SW-846 8270D	9/5/17	9/7/17 0:02	BGL
Benzo(a)pyrene	31	4.1	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
Benzo(a)pyrene	33	0.82	mg/Kg dry	4	E	SW-846 8270D	9/5/17	9/7/17 0:02	BGL
Benzo(b)fluoranthene	37	4.1	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
Benzo(b)fluoranthene	39	0.82	mg/Kg dry	4	E	SW-846 8270D	9/5/17	9/7/17 0:02	BGL
Benzo(g,h,i)perylene	20	4.1	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
Benzo(g,h,i)perylene	21	0.82	mg/Kg dry	4	E	SW-846 8270D	9/5/17	9/7/17 0:02	BGL
Benzo(k)fluoranthene	15	4.1	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
Benzo(k)fluoranthene	13	0.82	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL
Bis(2-chloroethoxy)methane	ND	8.2	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
Bis(2-chloroethoxy)methane	ND	1.6	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL
Bis(2-chloroethyl)ether	ND	8.2	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
Bis(2-chloroethyl)ether	ND	1.6	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL
Bis(2-chloroisopropyl)ether	ND	8.2	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
Bis(2-chloroisopropyl)ether	ND	1.6	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL
Bis(2-Ethylhexyl)phthalate	ND	8.2	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
Bis(2-Ethylhexyl)phthalate	ND	1.6	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL
4-Bromophenylphenylether	ND	8.2	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
4-Bromophenylphenylether	ND	1.6	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL
Butylbenzylphthalate	ND	8.2	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
Butylbenzylphthalate	ND	1.6	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL
Carbazole	ND	4.1	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
Carbazole	3.8	0.82	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL
4-Chloroaniline	ND	16	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
4-Chloroaniline	ND	3.2	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL
4-Chloro-3-methylphenol	ND	16	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
4-Chloro-3-methylphenol	ND	3.2	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL
2-Chloronaphthalene	ND	8.2	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
2-Chloronaphthalene	ND	1.6	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL
2-Chlorophenol	ND	8.2	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
2-Chlorophenol	ND	1.6	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL
4-Chlorophenylphenylether	ND	8.2	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
4-Chlorophenylphenylether	ND	1.6	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL
Chrysene	32	4.1	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
Chrysene	32	0.82	mg/Kg dry	4	E	SW-846 8270D	9/5/17	9/7/17 0:02	BGL

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: AS-AOC8-SE-18 Sampled: 8/29/2017 12:30

Sample ID: 17H1544-10

Sample Matrix: Soil

Sample Flags: RL-12

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Dibenz(a,h)anthracene	5.1	4.1	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
Dibenz(a,h)anthracene	4.8	0.82	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL
Dibenzofuran	ND	8.2	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
Dibenzofuran	ND	1.6	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL
Di-n-butylphthalate	ND	8.2	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
Di-n-butylphthalate	ND	1.6	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL
3,3-Dichlorobenzidine	ND	4.1	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
3,3-Dichlorobenzidine	ND	0.82	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL
2,4-Dichlorophenol	ND	8.2	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
2,4-Dichlorophenol	ND	1.6	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL
Diethylphthalate	ND	8.2	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
Diethylphthalate	ND	1.6	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL
2,4-Dimethylphenol	ND	8.2	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
2,4-Dimethylphenol	ND	1.6	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL
Dimethylphthalate	ND	8.2	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
Dimethylphthalate	ND	1.6	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL
4,6-Dinitro-2-methylphenol	ND	8.2	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
4,6-Dinitro-2-methylphenol	ND	1.6	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL
2,4-Dinitrophenol	ND	16	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
2,4-Dinitrophenol	ND	3.2	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL
2,4-Dinitrotoluene	ND	8.2	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
2,4-Dinitrotoluene	ND	1.6	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL
2,6-Dinitrotoluene	ND	8.2	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
2,6-Dinitrotoluene	ND	1.6	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL
Di-n-octylphthalate	ND	8.2	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
Di-n-octylphthalate	ND	1.6	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL
Fluoranthene	62	4.1	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
Fluoranthene	68	0.82	mg/Kg dry	4	E	SW-846 8270D	9/5/17	9/7/17 0:02	BGL
Fluorene	ND	4.1	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
Fluorene	2.6	0.82	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL
Hexachlorobenzene	ND	8.2	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
Hexachlorobenzene	ND	1.6	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL
Hexachlorobutadiene	ND	8.2	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
Hexachlorobutadiene	ND	1.6	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL
Hexachlorocyclopentadiene	ND	8.2	mg/Kg dry	20	V-05	SW-846 8270D	9/5/17	9/7/17 14:45	BGL
Hexachlorocyclopentadiene	ND	1.6	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL
Hexachloroethane	ND	8.2	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
Hexachloroethane	ND	1.6	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL
Indeno(1,2,3-cd)pyrene	21	4.1	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
Indeno(1,2,3-cd)pyrene	23	0.82	mg/Kg dry	4	E	SW-846 8270D	9/5/17	9/7/17 0:02	BGL
Isophorone	ND	8.2	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
Isophorone	ND	1.6	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL
2-Methylnaphthalene	ND	4.1	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
2-Methylnaphthalene	ND	0.82	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: AS-AOC8-SE-18 Sampled: 8/29/2017 12:30

Sample ID: 17H1544-10

Sample Matrix: Soil

Sample Flags: RL-12

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Methylphenol	ND	8.2	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
2-Methylphenol	ND	1.6	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL
3/4-Methylphenol	ND	8.2	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
3/4-Methylphenol	ND	1.6	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL
Naphthalene	ND	4.1	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
Naphthalene	1.3	0.82	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL
2-Nitroaniline	ND	8.2	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
2-Nitroaniline	ND	1.6	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL
3-Nitroaniline	ND	8.2	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
3-Nitroaniline	ND	1.6	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL
4-Nitroaniline	ND	8.2	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
4-Nitroaniline	ND	1.6	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL
Nitrobenzene	ND	8.2	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
Nitrobenzene	ND	1.6	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL
2-Nitrophenol	ND	8.2	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
2-Nitrophenol	ND	1.6	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL
4-Nitrophenol	ND	16	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
4-Nitrophenol	ND	3.2	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL
N-Nitrosodiphenylamine	ND	8.2	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
N-Nitrosodiphenylamine	ND	1.6	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL
N-Nitrosodi-n-propylamine	ND	8.2	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
N-Nitrosodi-n-propylamine	ND	1.6	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL
Pentachloronitrobenzene	ND	8.2	mg/Kg dry	20	V-16	SW-846 8270D	9/5/17	9/7/17 14:45	BGL
Pentachloronitrobenzene	ND	1.6	mg/Kg dry	4	V-16	SW-846 8270D	9/5/17	9/7/17 0:02	BGL
Pentachlorophenol	ND	8.2	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
Pentachlorophenol	ND	1.6	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL
Phenanthrene	33	4.1	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
Phenanthrene	38	0.82	mg/Kg dry	4	E	SW-846 8270D	9/5/17	9/7/17 0:02	BGL
Phenol	ND	8.2	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
Phenol	ND	1.6	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL
Pyrene	51	4.1	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
Pyrene	73	0.82	mg/Kg dry	4	E	SW-846 8270D	9/5/17	9/7/17 0:02	BGL
Pyridine	ND	8.2	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
Pyridine	ND	1.6	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL
1,2,4,5-Tetrachlorobenzene	ND	8.2	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
1,2,4,5-Tetrachlorobenzene	ND	1.6	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL
1,2,4-Trichlorobenzene	ND	8.2	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
1,2,4-Trichlorobenzene	ND	1.6	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL
2,4,5-Trichlorophenol	ND	8.2	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
2,4,5-Trichlorophenol	ND	1.6	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL
2,4,6-Trichlorophenol	ND	8.2	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
2,4,6-Trichlorophenol	ND	1.6	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	51.3	30-130		9/7/17 14:45

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: AS-AOC8-SE-18 Sampled: 8/29/2017 12:30

Sample ID: 17H1544-10

Sample Matrix: Soil

Sample Flags: RL-12

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Surrogates		**% Recovery**	**Recovery Limits**		**Flag/Qual**				
2-Fluorophenol		50.3	30-130					9/7/17 0:02	
Phenol-d6		52.5	30-130					9/7/17 14:45	
Phenol-d6		51.9	30-130					9/7/17 0:02	
Nitrobenzene-d5		59.8	30-130					9/7/17 14:45	
Nitrobenzene-d5		58.2	30-130					9/7/17 0:02	
2-Fluorobiphenyl		55.0	30-130					9/7/17 14:45	
2-Fluorobiphenyl		52.0	30-130					9/7/17 0:02	
2,4,6-Tribromophenol		64.4	30-130					9/7/17 14:45	
2,4,6-Tribromophenol		66.6	30-130					9/7/17 0:02	
p-Terphenyl-d14		57.8	30-130					9/7/17 14:45	
p-Terphenyl-d14		68.9	30-130					9/7/17 0:02	

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: AS-AOC8-SE-18 Sampled: 8/29/2017 12:30

Sample ID: 17H1544-10

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	0.93	mg/Kg dry	40		SW-846 8082A	9/6/17	9/10/17 9:26	TG
Aroclor-1221 [1]	ND	0.93	mg/Kg dry	40		SW-846 8082A	9/6/17	9/10/17 9:26	TG
Aroclor-1232 [1]	ND	0.93	mg/Kg dry	40		SW-846 8082A	9/6/17	9/10/17 9:26	TG
Aroclor-1242 [1]	ND	0.93	mg/Kg dry	40		SW-846 8082A	9/6/17	9/10/17 9:26	TG
Aroclor-1248 [1]	ND	0.93	mg/Kg dry	40		SW-846 8082A	9/6/17	9/10/17 9:26	TG
Aroclor-1254 [1]	ND	0.93	mg/Kg dry	40		SW-846 8082A	9/6/17	9/10/17 9:26	TG
Aroclor-1260 [1]	5.7	0.93	mg/Kg dry	40		SW-846 8082A	9/6/17	9/10/17 9:26	TG
Aroclor-1262 [1]	ND	0.93	mg/Kg dry	40		SW-846 8082A	9/6/17	9/10/17 9:26	TG
Aroclor-1268 [1]	ND	0.93	mg/Kg dry	40		SW-846 8082A	9/6/17	9/10/17 9:26	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	*	30-150	S-01	9/10/17 9:26
Decachlorobiphenyl [2]	*	30-150	S-01	9/10/17 9:26
Tetrachloro-m-xylene [1]	*	30-150	S-01	9/10/17 9:26
Tetrachloro-m-xylene [2]	*	30-150	S-01	9/10/17 9:26

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: AS-AOC8-SE-18 Sampled: 8/29/2017 12:30

Sample ID: 17H1544-10

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	4000	1200	mg/Kg dry	50		CTDEP ETPH	9/5/17	9/7/17 21:01	PJG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
o-Terphenyl	*	50-150	S-01	9/7/17 21:01

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Date Received: 8/29/2017

Field Sample #: AS-AOC8-SE-18 Sampled: 8/29/2017 12:30

Sample ID: 17H1544-10

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	10	3.0	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 17:42	QNW
Arsenic	18	3.0	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 20:10	QNW
Barium	140	3.0	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 20:10	QNW
Beryllium	ND	0.30	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 17:42	QNW
Cadmium	2.9	0.30	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 17:42	QNW
Chromium	47	0.59	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 20:10	QNW
Copper	210	0.59	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 17:42	QNW
Lead	470	0.89	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 20:10	QNW
Mercury	0.35	0.030	mg/Kg dry	1		SW-846 7471B	8/30/17	9/5/17 14:42	TJK
Nickel	240	0.59	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 20:10	QNW
Selenium	ND	5.9	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 17:42	QNW
Silver	ND	1.2	mg/Kg dry	2	DL-04	SW-846 6010C-D	9/5/17	9/7/17 19:12	QNW
Thallium	ND	3.0	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/11/17 15:57	QNW
Vanadium	1700	1.2	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 20:10	QNW
Zinc	980	1.2	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 20:10	QNW

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: AS-AOC8-SE-18 Sampled: 8/29/2017 12:30

Sample ID: 17H1544-10

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	83.3		% Wt	1		SM 2540G	8/31/17	9/1/17 8:37	MRL

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC8-SE-19 Sampled: 8/29/2017 12:45

Sample ID: 17H1544-11

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.098	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
Acrylonitrile	ND	0.0059	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
Benzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
Bromobenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
Bromodichloromethane	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
Bromoform	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
Bromomethane	ND	0.0098	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
2-Butanone (MEK)	ND	0.039	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
n-Butylbenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
sec-Butylbenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
tert-Butylbenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
Carbon Disulfide	ND	0.0059	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
Carbon Tetrachloride	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
Chlorobenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
Chlorodibromomethane	ND	0.00098	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
Chloroethane	ND	0.020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
Chloroform	ND	0.0039	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
Chloromethane	ND	0.0098	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
2-Chlorotoluene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
4-Chlorotoluene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
1,2-Dibromoethane (EDB)	ND	0.00098	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
Dibromomethane	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
1,2-Dichlorobenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
1,3-Dichlorobenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
1,4-Dichlorobenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
trans-1,4-Dichloro-2-butene	ND	0.0039	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
1,1-Dichloroethane	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
1,2-Dichloroethane	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
1,1-Dichloroethylene	ND	0.0039	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
cis-1,2-Dichloroethylene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
trans-1,2-Dichloroethylene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
1,2-Dichloropropane	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
1,3-Dichloropropane	ND	0.00098	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
2,2-Dichloropropane	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
1,1-Dichloropropene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
cis-1,3-Dichloropropene	ND	0.00098	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
trans-1,3-Dichloropropene	ND	0.00098	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
Ethylbenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
Hexachlorobutadiene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
2-Hexanone (MBK)	ND	0.020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
Isopropylbenzene (Cumene)	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC8-SE-19 Sampled: 8/29/2017 12:45

Sample ID: 17H1544-11

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Methyl tert-Butyl Ether (MTBE)	ND	0.0039	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
Methylene Chloride	ND	0.020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
Naphthalene	ND	0.0039	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
n-Propylbenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
Styrene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
1,1,1,2-Tetrachloroethane	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
1,1,2,2-Tetrachloroethane	ND	0.0039	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
Tetrachloroethylene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
Tetrahydrofuran	ND	0.0098	mg/Kg dry	1	V-16	SW-846 8260C	8/30/17	8/30/17 12:36	MFF
Toluene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
1,2,3-Trichlorobenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
1,2,4-Trichlorobenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
1,1,1-Trichloroethane	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
1,1,2-Trichloroethane	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
Trichloroethylene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
Trichlorofluoromethane (Freon 11)	ND	0.0098	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
1,2,3-Trichloropropane	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0098	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
1,2,4-Trimethylbenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
1,3,5-Trimethylbenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
Vinyl Chloride	ND	0.0098	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
m+p Xylene	ND	0.0039	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
o-Xylene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	102	70-130		8/30/17 12:36
Toluene-d8	104	70-130		8/30/17 12:36
4-Bromofluorobenzene	104	70-130		8/30/17 12:36

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC8-SE-19 Sampled: 8/29/2017 12:45

Sample ID: 17H1544-11

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	36	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
Acenaphthene	24	0.72	mg/Kg dry	4	E	SW-846 8270D	9/5/17	9/7/17 0:25	BGL
Acenaphthene	21	7.2	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
Acenaphthylene	ND	36	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
Acenaphthylene	2.0	0.72	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:25	BGL
Acenaphthylene	ND	7.2	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
Aniline	ND	72	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
Aniline	ND	1.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:25	BGL
Aniline	ND	14	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
Anthracene	36	36	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
Anthracene	41	0.72	mg/Kg dry	4	E	SW-846 8270D	9/5/17	9/7/17 0:25	BGL
Anthracene	37	7.2	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
Benzo(a)anthracene	110	36	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
Benzo(a)anthracene	110	0.72	mg/Kg dry	4	E	SW-846 8270D	9/5/17	9/7/17 0:25	BGL
Benzo(a)anthracene	110	7.2	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
Benzo(a)pyrene	93	36	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
Benzo(a)pyrene	110	0.72	mg/Kg dry	4	E	SW-846 8270D	9/5/17	9/7/17 0:25	BGL
Benzo(a)pyrene	98	7.2	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
Benzo(b)fluoranthene	110	36	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
Benzo(b)fluoranthene	150	0.72	mg/Kg dry	4	E	SW-846 8270D	9/5/17	9/7/17 0:25	BGL
Benzo(b)fluoranthene	120	7.2	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
Benzo(g,h,i)perylene	45	36	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
Benzo(g,h,i)perylene	52	0.72	mg/Kg dry	4	E	SW-846 8270D	9/5/17	9/7/17 0:25	BGL
Benzo(g,h,i)perylene	46	7.2	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
Benzo(k)fluoranthene	44	36	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
Benzo(k)fluoranthene	38	0.72	mg/Kg dry	4	E	SW-846 8270D	9/5/17	9/7/17 0:25	BGL
Benzo(k)fluoranthene	45	7.2	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
Bis(2-chloroethoxy)methane	ND	72	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
Bis(2-chloroethoxy)methane	ND	1.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:25	BGL
Bis(2-chloroethoxy)methane	ND	14	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
Bis(2-chloroethyl)ether	ND	72	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
Bis(2-chloroethyl)ether	ND	1.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:25	BGL
Bis(2-chloroethyl)ether	ND	14	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
Bis(2-chloroisopropyl)ether	ND	72	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
Bis(2-chloroisopropyl)ether	ND	1.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:25	BGL
Bis(2-chloroisopropyl)ether	ND	14	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
Bis(2-Ethylhexyl)phthalate	ND	72	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
Bis(2-Ethylhexyl)phthalate	ND	1.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:25	BGL
Bis(2-Ethylhexyl)phthalate	ND	14	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
4-Bromophenylphenylether	ND	72	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
4-Bromophenylphenylether	ND	1.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:25	BGL
4-Bromophenylphenylether	ND	14	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
Butylbenzylphthalate	ND	72	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
Butylbenzylphthalate	ND	1.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:25	BGL

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC8-SE-19 Sampled: 8/29/2017 12:45

Sample ID: 17H1544-11

Sample Matrix: Soil

Sample Flags: RL-12

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Butylbenzylphthalate	ND	14	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
Carbazole	ND	36	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
Carbazole	24	0.72	mg/Kg dry	4	E	SW-846 8270D	9/5/17	9/7/17 0:25	BGL
Carbazole	23	7.2	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
4-Chloroaniline	ND	140	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
4-Chloroaniline	ND	2.8	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:25	BGL
4-Chloroaniline	ND	28	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
4-Chloro-3-methylphenol	ND	140	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
4-Chloro-3-methylphenol	ND	2.8	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:25	BGL
4-Chloro-3-methylphenol	ND	28	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
2-Chloronaphthalene	ND	72	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
2-Chloronaphthalene	ND	1.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:25	BGL
2-Chloronaphthalene	ND	14	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
2-Chlorophenol	ND	72	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
2-Chlorophenol	ND	1.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:25	BGL
2-Chlorophenol	ND	14	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
4-Chlorophenylphenylether	ND	72	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
4-Chlorophenylphenylether	ND	1.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:25	BGL
4-Chlorophenylphenylether	ND	14	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
Chrysene	110	36	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
Chrysene	100	0.72	mg/Kg dry	4	E	SW-846 8270D	9/5/17	9/7/17 0:25	BGL
Chrysene	110	7.2	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
Dibenz(a,h)anthracene	ND	36	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
Dibenz(a,h)anthracene	17	0.72	mg/Kg dry	4	E	SW-846 8270D	9/5/17	9/7/17 0:25	BGL
Dibenz(a,h)anthracene	13	7.2	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
Dibenzofuran	ND	72	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
Dibenzofuran	8.8	1.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:25	BGL
Dibenzofuran	ND	14	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
Di-n-butylphthalate	ND	72	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
Di-n-butylphthalate	ND	1.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:25	BGL
Di-n-butylphthalate	ND	14	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
3,3-Dichlorobenzidine	ND	36	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
3,3-Dichlorobenzidine	ND	0.72	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:25	BGL
3,3-Dichlorobenzidine	ND	7.2	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
2,4-Dichlorophenol	ND	72	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
2,4-Dichlorophenol	ND	1.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:25	BGL
2,4-Dichlorophenol	ND	14	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
Diethylphthalate	ND	72	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
Diethylphthalate	ND	1.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:25	BGL
Diethylphthalate	ND	14	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
2,4-Dimethylphenol	ND	72	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
2,4-Dimethylphenol	ND	1.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:25	BGL
2,4-Dimethylphenol	ND	14	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
Dimethylphthalate	ND	72	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC8-SE-19 Sampled: 8/29/2017 12:45

Sample ID: 17H1544-11

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Dimethylphthalate	ND	1.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:25	BGL
Dimethylphthalate	ND	14	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
4,6-Dinitro-2-methylphenol	ND	72	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
4,6-Dinitro-2-methylphenol	ND	1.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:25	BGL
4,6-Dinitro-2-methylphenol	ND	14	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
2,4-Dinitrophenol	ND	140	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
2,4-Dinitrophenol	ND	2.8	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:25	BGL
2,4-Dinitrophenol	ND	28	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
2,4-Dinitrotoluene	ND	72	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
2,4-Dinitrotoluene	ND	1.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:25	BGL
2,4-Dinitrotoluene	ND	14	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
2,6-Dinitrotoluene	ND	72	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
2,6-Dinitrotoluene	ND	1.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:25	BGL
2,6-Dinitrotoluene	ND	14	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
Di-n-octylphthalate	ND	72	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
Di-n-octylphthalate	ND	1.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:25	BGL
Di-n-octylphthalate	ND	14	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
Fluoranthene	250	36	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
Fluoranthene	170	0.72	mg/Kg dry	4	E	SW-846 8270D	9/5/17	9/7/17 0:25	BGL
Fluoranthene	300	7.2	mg/Kg dry	40	E	SW-846 8270D	9/5/17	9/7/17 15:14	BGL
Fluorene	ND	36	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
Fluorene	17	0.72	mg/Kg dry	4	E	SW-846 8270D	9/5/17	9/7/17 0:25	BGL
Fluorene	15	7.2	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
Hexachlorobenzene	ND	72	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
Hexachlorobenzene	ND	1.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:25	BGL
Hexachlorobenzene	ND	14	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
Hexachlorobutadiene	ND	72	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
Hexachlorobutadiene	ND	1.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:25	BGL
Hexachlorobutadiene	ND	14	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
Hexachlorocyclopentadiene	ND	72	mg/Kg dry	200	V-05	SW-846 8270D	9/5/17	9/7/17 15:44	BGL
Hexachlorocyclopentadiene	ND	1.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:25	BGL
Hexachlorocyclopentadiene	ND	14	mg/Kg dry	40	V-05	SW-846 8270D	9/5/17	9/7/17 15:14	BGL
Hexachloroethane	ND	72	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
Hexachloroethane	ND	1.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:25	BGL
Hexachloroethane	ND	14	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
Indeno(1,2,3-cd)pyrene	51	36	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
Indeno(1,2,3-cd)pyrene	65	0.72	mg/Kg dry	4	E	SW-846 8270D	9/5/17	9/7/17 0:25	BGL
Indeno(1,2,3-cd)pyrene	54	7.2	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
Isophorone	ND	72	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
Isophorone	ND	1.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:25	BGL
Isophorone	ND	14	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
2-Methylnaphthalene	ND	36	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
2-Methylnaphthalene	2.5	0.72	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:25	BGL
2-Methylnaphthalene	ND	7.2	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC8-SE-19 Sampled: 8/29/2017 12:45

Sample ID: 17H1544-11

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Methylphenol	ND	72	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
2-Methylphenol	ND	1.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:25	BGL
2-Methylphenol	ND	14	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
3/4-Methylphenol	ND	72	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
3/4-Methylphenol	ND	1.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:25	BGL
3/4-Methylphenol	ND	14	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
Naphthalene	ND	36	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
Naphthalene	5.0	0.72	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:25	BGL
Naphthalene	ND	7.2	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
2-Nitroaniline	ND	72	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
2-Nitroaniline	ND	1.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:25	BGL
2-Nitroaniline	ND	14	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
3-Nitroaniline	ND	72	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
3-Nitroaniline	ND	1.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:25	BGL
3-Nitroaniline	ND	14	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
4-Nitroaniline	ND	72	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
4-Nitroaniline	ND	1.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:25	BGL
4-Nitroaniline	ND	14	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
Nitrobenzene	ND	72	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
Nitrobenzene	ND	1.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:25	BGL
Nitrobenzene	ND	14	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
2-Nitrophenol	ND	72	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
2-Nitrophenol	ND	1.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:25	BGL
2-Nitrophenol	ND	14	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
4-Nitrophenol	ND	140	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
4-Nitrophenol	ND	2.8	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:25	BGL
4-Nitrophenol	ND	28	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
N-Nitrosodiphenylamine	ND	72	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
N-Nitrosodiphenylamine	ND	1.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:25	BGL
N-Nitrosodiphenylamine	ND	14	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
N-Nitrosodi-n-propylamine	ND	72	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
N-Nitrosodi-n-propylamine	ND	1.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:25	BGL
N-Nitrosodi-n-propylamine	ND	14	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
Pentachloronitrobenzene	ND	72	mg/Kg dry	200	V-16	SW-846 8270D	9/5/17	9/7/17 15:44	BGL
Pentachloronitrobenzene	ND	1.4	mg/Kg dry	4	V-16	SW-846 8270D	9/5/17	9/7/17 0:25	BGL
Pentachloronitrobenzene	ND	14	mg/Kg dry	40	V-16	SW-846 8270D	9/5/17	9/7/17 15:14	BGL
Pentachlorophenol	ND	72	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
Pentachlorophenol	ND	1.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:25	BGL
Pentachlorophenol	ND	14	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
Phenanthrene	190	36	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
Phenanthrene	130	0.72	mg/Kg dry	4	E	SW-846 8270D	9/5/17	9/7/17 0:25	BGL
Phenanthrene	220	7.2	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
Phenol	ND	72	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC8-SE-19 Sampled: 8/29/2017 12:45

Sample ID: 17H1544-11

Sample Matrix: Soil

Sample Flags: RL-12

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Phenol	ND	1.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:25	BGL
Phenol	ND	14	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
Pyrene	200	36	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
Pyrene	190	0.72	mg/Kg dry	4	E	SW-846 8270D	9/5/17	9/7/17 0:25	BGL
Pyrene	220	7.2	mg/Kg dry	40	E	SW-846 8270D	9/5/17	9/7/17 15:14	BGL
Pyridine	ND	72	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
Pyridine	ND	1.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:25	BGL
Pyridine	ND	14	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
1,2,4,5-Tetrachlorobenzene	ND	72	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
1,2,4,5-Tetrachlorobenzene	ND	1.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:25	BGL
1,2,4,5-Tetrachlorobenzene	ND	14	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
1,2,4-Trichlorobenzene	ND	72	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
1,2,4-Trichlorobenzene	ND	1.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:25	BGL
1,2,4-Trichlorobenzene	ND	14	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
2,4,5-Trichlorophenol	ND	72	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
2,4,5-Trichlorophenol	ND	1.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:25	BGL
2,4,5-Trichlorophenol	ND	14	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
2,4,6-Trichlorophenol	ND	72	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
2,4,6-Trichlorophenol	ND	1.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:25	BGL
2,4,6-Trichlorophenol	ND	14	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	*	30-130	S-01	9/7/17 15:44
2-Fluorophenol	56.3	30-130		9/7/17 0:25
2-Fluorophenol	58.6	30-130		9/7/17 15:14
Phenol-d6	*	30-130	S-01	9/7/17 15:44
Phenol-d6	57.2	30-130		9/7/17 0:25
Phenol-d6	56.2	30-130		9/7/17 15:14
Nitrobenzene-d5	*	30-130	S-01	9/7/17 15:44
Nitrobenzene-d5	60.8	30-130		9/7/17 0:25
Nitrobenzene-d5	64.4	30-130		9/7/17 15:14
2-Fluorobiphenyl	*	30-130	S-01	9/7/17 15:44
2-Fluorobiphenyl	58.2	30-130		9/7/17 0:25
2-Fluorobiphenyl	59.2	30-130		9/7/17 15:14
2,4,6-Tribromophenol	*	30-130	S-01	9/7/17 15:44
2,4,6-Tribromophenol	74.5	30-130		9/7/17 0:25
2,4,6-Tribromophenol	67.4	30-130		9/7/17 15:14
p-Terphenyl-d14	*	30-130	S-01	9/7/17 15:44
p-Terphenyl-d14	77.1	30-130		9/7/17 0:25
p-Terphenyl-d14	70.4	30-130		9/7/17 15:14

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC8-SE-19 Sampled: 8/29/2017 12:45

Sample ID: 17H1544-11

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	0.21	mg/Kg dry	10		SW-846 8082A	9/6/17	9/10/17 1:46	TG
Aroclor-1221 [1]	ND	0.21	mg/Kg dry	10		SW-846 8082A	9/6/17	9/10/17 1:46	TG
Aroclor-1232 [1]	ND	0.21	mg/Kg dry	10		SW-846 8082A	9/6/17	9/10/17 1:46	TG
Aroclor-1242 [1]	ND	0.21	mg/Kg dry	10		SW-846 8082A	9/6/17	9/10/17 1:46	TG
Aroclor-1248 [1]	ND	0.21	mg/Kg dry	10		SW-846 8082A	9/6/17	9/10/17 1:46	TG
Aroclor-1254 [1]	ND	0.21	mg/Kg dry	10		SW-846 8082A	9/6/17	9/10/17 1:46	TG
Aroclor-1260 [1]	1.5	0.21	mg/Kg dry	10		SW-846 8082A	9/6/17	9/10/17 1:46	TG
Aroclor-1262 [1]	ND	0.21	mg/Kg dry	10		SW-846 8082A	9/6/17	9/10/17 1:46	TG
Aroclor-1268 [1]	ND	0.21	mg/Kg dry	10		SW-846 8082A	9/6/17	9/10/17 1:46	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	40.9	30-150		9/10/17 1:46
Decachlorobiphenyl [2]	130	30-150		9/10/17 1:46
Tetrachloro-m-xylene [1]	39.8	30-150		9/10/17 1:46
Tetrachloro-m-xylene [2]	44.8	30-150		9/10/17 1:46

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC8-SE-19 Sampled: 8/29/2017 12:45

Sample ID: 17H1544-11

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	31	11	mg/Kg dry	1		CTDEP ETPH	9/5/17	9/8/17 2:18	PJG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
o-Terphenyl	84.9	50-150		9/8/17 2:18

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC8-SE-19 Sampled: 8/29/2017 12:45

Sample ID: 17H1544-11

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	20	2.5	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 17:50	QNW
Arsenic	19	2.5	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 20:43	QNW
Barium	150	2.5	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 20:43	QNW
Beryllium	ND	0.25	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 17:50	QNW
Cadmium	2.4	0.25	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 17:50	QNW
Chromium	80	0.51	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 20:43	QNW
Copper	450	0.51	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 17:50	QNW
Lead	870	0.76	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 20:43	QNW
Mercury	0.11	0.026	mg/Kg dry	1		SW-846 7471B	8/30/17	9/5/17 14:44	TJK
Nickel	120	0.51	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 20:43	QNW
Selenium	ND	5.1	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 17:50	QNW
Silver	ND	1.0	mg/Kg dry	2	DL-04	SW-846 6010C-D	9/5/17	9/11/17 16:02	QNW
Thallium	ND	2.5	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/11/17 16:05	QNW
Vanadium	470	1.0	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 20:43	QNW
Zinc	1500	1.0	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 20:43	QNW

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC8-SE-19 Sampled: 8/29/2017 12:45

Sample ID: 17H1544-11

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	94.9		% Wt	1		SM 2540G	8/31/17	9/1/17 8:37	MRL

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC8-SE-24 Sampled: 8/29/2017 13:00

Sample ID: 17H1544-12

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	4.8	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
Acrylonitrile	ND	0.48	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
Benzene	ND	0.096	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
Bromobenzene	ND	0.096	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
Bromodichloromethane	ND	0.096	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
Bromoform	ND	0.096	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
Bromomethane	ND	0.19	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
2-Butanone (MEK)	ND	1.9	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
n-Butylbenzene	0.15	0.096	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
sec-Butylbenzene	0.13	0.096	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
tert-Butylbenzene	ND	0.096	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
Carbon Disulfide	ND	0.29	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
Carbon Tetrachloride	ND	0.096	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
Chlorobenzene	ND	0.096	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
Chlorodibromomethane	ND	0.048	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
Chloroethane	ND	0.19	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
Chloroform	ND	0.19	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
Chloromethane	ND	0.19	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
2-Chlorotoluene	ND	0.096	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
4-Chlorotoluene	ND	0.096	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.48	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
1,2-Dibromoethane (EDB)	ND	0.048	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
Dibromomethane	ND	0.096	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
1,2-Dichlorobenzene	ND	0.096	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
1,3-Dichlorobenzene	ND	0.096	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
1,4-Dichlorobenzene	ND	0.096	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
trans-1,4-Dichloro-2-butene	ND	0.19	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
Dichlorodifluoromethane (Freon 12)	ND	0.19	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
1,1-Dichloroethane	ND	0.096	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
1,2-Dichloroethane	ND	0.19	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
1,1-Dichloroethylene	ND	0.096	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
cis-1,2-Dichloroethylene	ND	0.096	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
trans-1,2-Dichloroethylene	ND	0.096	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
1,2-Dichloropropane	ND	0.096	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
1,3-Dichloropropane	ND	0.048	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
2,2-Dichloropropane	ND	0.096	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
1,1-Dichloropropene	ND	0.19	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
cis-1,3-Dichloropropene	ND	0.048	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
trans-1,3-Dichloropropene	ND	0.048	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
Ethylbenzene	ND	0.096	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
Hexachlorobutadiene	ND	0.096	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
2-Hexanone (MBK)	ND	0.96	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
Isopropylbenzene (Cumene)	ND	0.096	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
p-Isopropyltoluene (p-Cymene)	0.11	0.096	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC8-SE-24 Sampled: 8/29/2017 13:00

Sample ID: 17H1544-12

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	0.096	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
Methylene Chloride	ND	0.48	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
4-Methyl-2-pentanone (MIBK)	ND	0.96	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
Naphthalene	0.73	0.19	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
n-Propylbenzene	ND	0.096	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
Styrene	ND	0.096	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
1,1,1,2-Tetrachloroethane	ND	0.096	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
1,1,2,2-Tetrachloroethane	ND	0.048	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
Tetrachloroethylene	ND	0.096	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
Tetrahydrofuran	ND	0.96	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
Toluene	ND	0.096	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
1,2,3-Trichlorobenzene	ND	0.48	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
1,2,4-Trichlorobenzene	ND	0.096	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
1,1,1-Trichloroethane	ND	0.096	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
1,1,2-Trichloroethane	ND	0.096	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
Trichloroethylene	ND	0.096	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
Trichlorofluoromethane (Freon 11)	ND	0.19	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
1,2,3-Trichloropropane	ND	0.19	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.096	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
1,2,4-Trimethylbenzene	0.44	0.096	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
1,3,5-Trimethylbenzene	0.15	0.096	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
Vinyl Chloride	ND	0.19	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
m+p Xylene	ND	0.19	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
o-Xylene	ND	0.096	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	119	70-130		9/5/17 17:08
Toluene-d8	104	70-130		9/5/17 17:08
4-Bromofluorobenzene	96.0	70-130		9/5/17 17:08

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC8-SE-24 Sampled: 8/29/2017 13:00

Sample ID: 17H1544-12

Sample Matrix: Soil

Sample Flags: RL-12

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	4.9	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
Acenaphthylene	ND	4.9	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
Aniline	ND	9.8	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
Anthracene	ND	4.9	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
Benzo(a)anthracene	ND	4.9	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
Benzo(a)pyrene	ND	4.9	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
Benzo(b)fluoranthene	ND	4.9	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
Benzo(g,h,i)perylene	ND	4.9	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
Benzo(k)fluoranthene	ND	4.9	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
Bis(2-chloroethoxy)methane	ND	9.8	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
Bis(2-chloroethyl)ether	ND	9.8	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
Bis(2-chloroisopropyl)ether	ND	9.8	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
Bis(2-Ethylhexyl)phthalate	ND	9.8	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
4-Bromophenylphenylether	ND	9.8	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
Butylbenzylphthalate	ND	9.8	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
Carbazole	ND	4.9	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
4-Chloroaniline	ND	19	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
4-Chloro-3-methylphenol	ND	19	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
2-Chloronaphthalene	ND	9.8	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
2-Chlorophenol	ND	9.8	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
4-Chlorophenylphenylether	ND	9.8	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
Chrysene	ND	4.9	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
Dibenz(a,h)anthracene	ND	4.9	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
Dibenzofuran	ND	9.8	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
Di-n-butylphthalate	ND	9.8	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
3,3-Dichlorobenzidine	ND	4.9	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
2,4-Dichlorophenol	ND	9.8	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
Diethylphthalate	ND	9.8	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
2,4-Dimethylphenol	ND	9.8	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
Dimethylphthalate	ND	9.8	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
4,6-Dinitro-2-methylphenol	ND	9.8	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
2,4-Dinitrophenol	ND	19	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
2,4-Dinitrotoluene	ND	9.8	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
2,6-Dinitrotoluene	ND	9.8	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
Di-n-octylphthalate	ND	9.8	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
Fluoranthene	5.0	4.9	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
Fluorene	ND	4.9	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
Hexachlorobenzene	ND	9.8	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
Hexachlorobutadiene	ND	9.8	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
Hexachlorocyclopentadiene	ND	9.8	mg/Kg dry	10	V-05	SW-846 8270D	9/5/17	9/7/17 20:30	BGL
Hexachloroethane	ND	9.8	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
Indeno(1,2,3-cd)pyrene	ND	4.9	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
Isophorone	ND	9.8	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
2-Methylnaphthalene	ND	4.9	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC8-SE-24 Sampled: 8/29/2017 13:00

Sample ID: 17H1544-12

Sample Matrix: Soil

Sample Flags: RL-12

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Methylphenol	ND	9.8	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
3/4-Methylphenol	ND	9.8	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
Naphthalene	ND	4.9	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
2-Nitroaniline	ND	9.8	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
3-Nitroaniline	ND	9.8	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
4-Nitroaniline	ND	9.8	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
Nitrobenzene	ND	9.8	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
2-Nitrophenol	ND	9.8	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
4-Nitrophenol	ND	19	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
N-Nitrosodiphenylamine	ND	9.8	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
N-Nitrosodi-n-propylamine	ND	9.8	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
Pentachloronitrobenzene	ND	9.8	mg/Kg dry	10	V-16	SW-846 8270D	9/5/17	9/7/17 20:30	BGL
Pentachlorophenol	ND	9.8	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
Phenanthrene	ND	4.9	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
Phenol	ND	9.8	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
Pyrene	ND	4.9	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
Pyridine	ND	9.8	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
1,2,4,5-Tetrachlorobenzene	ND	9.8	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
1,2,4-Trichlorobenzene	ND	9.8	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
2,4,5-Trichlorophenol	ND	9.8	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
2,4,6-Trichlorophenol	ND	9.8	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	61.7	30-130		9/7/17 20:30
Phenol-d6	65.3	30-130		9/7/17 20:30
Nitrobenzene-d5	75.0	30-130		9/7/17 20:30
2-Fluorobiphenyl	66.0	30-130		9/7/17 20:30
2,4,6-Tribromophenol	87.7	30-130		9/7/17 20:30
p-Terphenyl-d14	70.0	30-130		9/7/17 20:30

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC8-SE-24 Sampled: 8/29/2017 13:00

Sample ID: 17H1544-12

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	9/6/17	9/10/17 1:59	TG
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	9/6/17	9/10/17 1:59	TG
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	9/6/17	9/10/17 1:59	TG
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	9/6/17	9/10/17 1:59	TG
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	9/6/17	9/10/17 1:59	TG
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	9/6/17	9/10/17 1:59	TG
Aroclor-1260 [1]	0.32	0.11	mg/Kg dry	4		SW-846 8082A	9/6/17	9/10/17 1:59	TG
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	9/6/17	9/10/17 1:59	TG
Aroclor-1268 [1]	0.14	0.11	mg/Kg dry	4		SW-846 8082A	9/6/17	9/10/17 1:59	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	51.6	30-150		9/10/17 1:59
Decachlorobiphenyl [2]	58.7	30-150		9/10/17 1:59
Tetrachloro-m-xylene [1]	58.3	30-150		9/10/17 1:59
Tetrachloro-m-xylene [2]	63.7	30-150		9/10/17 1:59

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC8-SE-24 Sampled: 8/29/2017 13:00

Sample ID: 17H1544-12

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	1600	1400	mg/Kg dry	50		CTDEP ETPH	9/5/17	9/7/17 21:18	PJG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
o-Terphenyl	*	50-150	S-01	9/7/17 21:18

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC8-SE-24 Sampled: 8/29/2017 13:00

Sample ID: 17H1544-12

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	3.8	3.4	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 17:54	QNW
Arsenic	ND	3.4	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 20:49	QNW
Barium	210	3.4	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 20:49	QNW
Beryllium	ND	0.34	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 17:54	QNW
Cadmium	2.0	0.34	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 17:54	QNW
Chromium	32	0.67	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 20:49	QNW
Copper	220	0.67	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 17:54	QNW
Lead	460	1.0	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 20:49	QNW
Mercury	0.098	0.036	mg/Kg dry	1		SW-846 7471B	8/30/17	9/5/17 14:46	TJK
Nickel	31	0.67	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 20:49	QNW
Selenium	ND	6.7	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 17:54	QNW
Silver	ND	0.67	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 20:49	QNW
Thallium	ND	3.4	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 20:49	QNW
Vanadium	98	1.3	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 20:49	QNW
Zinc	950	1.3	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 20:49	QNW

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC8-SE-24 Sampled: 8/29/2017 13:00

Sample ID: 17H1544-12

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	69.5		% Wt	1		SM 2540G	8/31/17	9/1/17 8:37	MRL

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-CO-26 Sampled: 8/29/2017 09:10

Sample ID: 17H1544-13

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	9/6/17	9/9/17 0:59	PJG
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	9/6/17	9/9/17 0:59	PJG
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	9/6/17	9/9/17 0:59	PJG
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	9/6/17	9/9/17 0:59	PJG
Aroclor-1248 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	9/6/17	9/9/17 0:59	PJG
Aroclor-1254 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	9/6/17	9/9/17 0:59	PJG
Aroclor-1260 [2]	1.1	0.10	mg/Kg	1		SW-846 8082A	9/6/17	9/9/17 0:59	PJG
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	9/6/17	9/9/17 0:59	PJG
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	9/6/17	9/9/17 0:59	PJG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	102	30-150		9/9/17 0:59
Decachlorobiphenyl [2]	117	30-150		9/9/17 0:59
Tetrachloro-m-xylene [1]	90.2	30-150		9/9/17 0:59
Tetrachloro-m-xylene [2]	97.3	30-150		9/9/17 0:59

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-CO-27 Sampled: 8/29/2017 09:40

Sample ID: 17H1544-14

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	9/6/17	9/9/17 1:17	PJG
Aroclor-1221 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	9/6/17	9/9/17 1:17	PJG
Aroclor-1232 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	9/6/17	9/9/17 1:17	PJG
Aroclor-1242 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	9/6/17	9/9/17 1:17	PJG
Aroclor-1248 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	9/6/17	9/9/17 1:17	PJG
Aroclor-1254 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	9/6/17	9/9/17 1:17	PJG
Aroclor-1260 [2]	0.93	0.098	mg/Kg	1		SW-846 8082A	9/6/17	9/9/17 1:17	PJG
Aroclor-1262 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	9/6/17	9/9/17 1:17	PJG
Aroclor-1268 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	9/6/17	9/9/17 1:17	PJG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	106	30-150		9/9/17 1:17
Decachlorobiphenyl [2]	119	30-150		9/9/17 1:17
Tetrachloro-m-xylene [1]	91.3	30-150		9/9/17 1:17
Tetrachloro-m-xylene [2]	98.4	30-150		9/9/17 1:17

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-CO-29 Sampled: 8/29/2017 10:05

Sample ID: 17H1544-15

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.45	mg/Kg	5		SW-846 8082A	9/6/17	9/9/17 21:40	PJG
Aroclor-1221 [1]	ND	0.45	mg/Kg	5		SW-846 8082A	9/6/17	9/9/17 21:40	PJG
Aroclor-1232 [1]	ND	0.45	mg/Kg	5		SW-846 8082A	9/6/17	9/9/17 21:40	PJG
Aroclor-1242 [1]	ND	0.45	mg/Kg	5		SW-846 8082A	9/6/17	9/9/17 21:40	PJG
Aroclor-1248 [1]	ND	0.45	mg/Kg	5		SW-846 8082A	9/6/17	9/9/17 21:40	PJG
Aroclor-1254 [1]	ND	0.45	mg/Kg	5		SW-846 8082A	9/6/17	9/9/17 21:40	PJG
Aroclor-1260 [2]	2.9	0.45	mg/Kg	5		SW-846 8082A	9/6/17	9/9/17 21:40	PJG
Aroclor-1262 [1]	ND	0.45	mg/Kg	5		SW-846 8082A	9/6/17	9/9/17 21:40	PJG
Aroclor-1268 [1]	ND	0.45	mg/Kg	5		SW-846 8082A	9/6/17	9/9/17 21:40	PJG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	108	30-150		9/9/17 21:40
Decachlorobiphenyl [2]	118	30-150		9/9/17 21:40
Tetrachloro-m-xylene [1]	97.4	30-150		9/9/17 21:40
Tetrachloro-m-xylene [2]	101	30-150		9/9/17 21:40

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC8-CO-16B Sampled: 8/29/2017 12:05

Sample ID: 17H1544-16

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	190	mg/Kg	2000		SW-846 8082A	9/6/17	9/9/17 22:15	PJG
Aroclor-1221 [1]	ND	190	mg/Kg	2000		SW-846 8082A	9/6/17	9/9/17 22:15	PJG
Aroclor-1232 [1]	ND	190	mg/Kg	2000		SW-846 8082A	9/6/17	9/9/17 22:15	PJG
Aroclor-1242 [1]	ND	190	mg/Kg	2000		SW-846 8082A	9/6/17	9/9/17 22:15	PJG
Aroclor-1248 [1]	ND	190	mg/Kg	2000		SW-846 8082A	9/6/17	9/9/17 22:15	PJG
Aroclor-1254 [1]	ND	190	mg/Kg	2000		SW-846 8082A	9/6/17	9/9/17 22:15	PJG
Aroclor-1260 [2]	1800	190	mg/Kg	2000		SW-846 8082A	9/6/17	9/9/17 22:15	PJG
Aroclor-1262 [1]	ND	190	mg/Kg	2000		SW-846 8082A	9/6/17	9/9/17 22:15	PJG
Aroclor-1268 [1]	ND	190	mg/Kg	2000		SW-846 8082A	9/6/17	9/9/17 22:15	PJG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	*	30-150	S-01	9/9/17 22:15
Decachlorobiphenyl [2]	*	30-150	S-01	9/9/17 22:15
Tetrachloro-m-xylene [1]	*	30-150	S-01	9/9/17 22:15
Tetrachloro-m-xylene [2]	*	30-150	S-01	9/9/17 22:15

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC8-CO-17B Sampled: 8/29/2017 12:20

Sample ID: 17H1544-17

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	9/6/17	9/9/17 22:33	PJG
Aroclor-1221 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	9/6/17	9/9/17 22:33	PJG
Aroclor-1232 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	9/6/17	9/9/17 22:33	PJG
Aroclor-1242 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	9/6/17	9/9/17 22:33	PJG
Aroclor-1248 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	9/6/17	9/9/17 22:33	PJG
Aroclor-1254 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	9/6/17	9/9/17 22:33	PJG
Aroclor-1260 [1]	1.9	0.48	mg/Kg	5		SW-846 8082A	9/6/17	9/9/17 22:33	PJG
Aroclor-1262 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	9/6/17	9/9/17 22:33	PJG
Aroclor-1268 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	9/6/17	9/9/17 22:33	PJG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	132	30-150		9/9/17 22:33
Decachlorobiphenyl [2]	145	30-150		9/9/17 22:33
Tetrachloro-m-xylene [1]	117	30-150		9/9/17 22:33
Tetrachloro-m-xylene [2]	121	30-150		9/9/17 22:33

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC8-CO-18B Sampled: 8/29/2017 12:35

Sample ID: 17H1544-18

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	9/6/17	9/9/17 22:51	PJG
Aroclor-1221 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	9/6/17	9/9/17 22:51	PJG
Aroclor-1232 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	9/6/17	9/9/17 22:51	PJG
Aroclor-1242 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	9/6/17	9/9/17 22:51	PJG
Aroclor-1248 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	9/6/17	9/9/17 22:51	PJG
Aroclor-1254 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	9/6/17	9/9/17 22:51	PJG
Aroclor-1260 [1]	2.0	0.48	mg/Kg	5		SW-846 8082A	9/6/17	9/9/17 22:51	PJG
Aroclor-1262 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	9/6/17	9/9/17 22:51	PJG
Aroclor-1268 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	9/6/17	9/9/17 22:51	PJG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	64.2	30-150		9/9/17 22:51
Decachlorobiphenyl [2]	72.2	30-150		9/9/17 22:51
Tetrachloro-m-xylene [1]	62.8	30-150		9/9/17 22:51
Tetrachloro-m-xylene [2]	64.1	30-150		9/9/17 22:51

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC8-CO-19B Sampled: 8/29/2017 12:50

Sample ID: 17H1544-19

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	9/6/17	9/9/17 23:09	PJG
Aroclor-1221 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	9/6/17	9/9/17 23:09	PJG
Aroclor-1232 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	9/6/17	9/9/17 23:09	PJG
Aroclor-1242 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	9/6/17	9/9/17 23:09	PJG
Aroclor-1248 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	9/6/17	9/9/17 23:09	PJG
Aroclor-1254 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	9/6/17	9/9/17 23:09	PJG
Aroclor-1260 [2]	0.79	0.097	mg/Kg	1		SW-846 8082A	9/6/17	9/9/17 23:09	PJG
Aroclor-1262 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	9/6/17	9/9/17 23:09	PJG
Aroclor-1268 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	9/6/17	9/9/17 23:09	PJG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	104	30-150		9/9/17 23:09
Decachlorobiphenyl [2]	130	30-150		9/9/17 23:09
Tetrachloro-m-xylene [1]	93.0	30-150		9/9/17 23:09
Tetrachloro-m-xylene [2]	101	30-150		9/9/17 23:09

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-Dup1 Sampled: 8/29/2017 00:00

Sample ID: 17H1544-20

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	0.092	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
Acrylonitrile	ND	0.0055	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
Benzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
Bromobenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
Bromodichloromethane	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
Bromoform	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
Bromomethane	ND	0.0092	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
2-Butanone (MEK)	ND	0.037	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
n-Butylbenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
sec-Butylbenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
tert-Butylbenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
Carbon Disulfide	ND	0.0055	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
Carbon Tetrachloride	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
Chlorobenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
Chlorodibromomethane	ND	0.00092	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
Chloroethane	ND	0.018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
Chloroform	ND	0.0037	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
Chloromethane	ND	0.0092	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
2-Chlorotoluene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
4-Chlorotoluene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
1,2-Dibromoethane (EDB)	ND	0.00092	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
Dibromomethane	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
1,2-Dichlorobenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
1,3-Dichlorobenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
1,4-Dichlorobenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
trans-1,4-Dichloro-2-butene	ND	0.0037	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
1,1-Dichloroethane	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
1,2-Dichloroethane	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
1,1-Dichloroethylene	ND	0.0037	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
cis-1,2-Dichloroethylene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
trans-1,2-Dichloroethylene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
1,2-Dichloropropane	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
1,3-Dichloropropane	ND	0.00092	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
2,2-Dichloropropane	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
1,1-Dichloropropene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
cis-1,3-Dichloropropene	ND	0.00092	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
trans-1,3-Dichloropropene	ND	0.00092	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
Ethylbenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
Hexachlorobutadiene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
2-Hexanone (MBK)	ND	0.018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
Isopropylbenzene (Cumene)	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-Dup1 Sampled: 8/29/2017 00:00

Sample ID: 17H1544-20

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	0.0037	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
Methylene Chloride	ND	0.018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
Naphthalene	ND	0.0037	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
n-Propylbenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
Styrene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
1,1,1,2-Tetrachloroethane	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
1,1,2,2-Tetrachloroethane	ND	0.0037	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
Tetrachloroethylene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
Tetrahydrofuran	ND	0.0092	mg/Kg dry	1	V-16	SW-846 8260C	8/30/17	8/30/17 10:44	MFF
Toluene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
1,2,3-Trichlorobenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
1,2,4-Trichlorobenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
1,1,1-Trichloroethane	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
1,1,2-Trichloroethane	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
Trichloroethylene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
Trichlorofluoromethane (Freon 11)	ND	0.0092	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
1,2,3-Trichloropropane	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0092	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
1,2,4-Trimethylbenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
1,3,5-Trimethylbenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
Vinyl Chloride	ND	0.0092	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
m+p Xylene	ND	0.0037	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
o-Xylene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	103	70-130		8/30/17 10:44
Toluene-d8	106	70-130		8/30/17 10:44
4-Bromofluorobenzene	102	70-130		8/30/17 10:44

con-test® ANALYTICAL LABORATORY

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-Dup1 Sampled: 8/29/2017 00:00

Sample ID: 17H1544-20

Sample Matrix: Soil

Sample Flags: RL-12

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.85	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
Acenaphthylene	ND	0.85	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
Aniline	ND	1.7	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
Anthracene	ND	0.85	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
Benzo(a)anthracene	1.4	0.85	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
Benzo(a)pyrene	1.5	0.85	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
Benzo(b)fluoranthene	1.9	0.85	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
Benzo(g,h,i)perylene	0.90	0.85	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
Benzo(k)fluoranthene	ND	0.85	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
Bis(2-chloroethoxy)methane	ND	1.7	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
Bis(2-chloroethyl)ether	ND	1.7	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
Bis(2-chloroisopropyl)ether	ND	1.7	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
Bis(2-Ethylhexyl)phthalate	ND	1.7	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
4-Bromophenylphenylether	ND	1.7	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
Butylbenzylphthalate	ND	1.7	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
Carbazole	ND	0.85	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
4-Chloroaniline	ND	3.3	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
4-Chloro-3-methylphenol	ND	3.3	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
2-Chloronaphthalene	ND	1.7	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
2-Chlorophenol	ND	1.7	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
4-Chlorophenylphenylether	ND	1.7	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
Chrysene	1.6	0.85	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
Dibenz(a,h)anthracene	ND	0.85	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
Dibenzofuran	ND	1.7	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
Di-n-butylphthalate	ND	1.7	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
3,3-Dichlorobenzidine	ND	0.85	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
2,4-Dichlorophenol	ND	1.7	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
Diethylphthalate	ND	1.7	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
2,4-Dimethylphenol	ND	1.7	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
Dimethylphthalate	ND	1.7	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
4,6-Dinitro-2-methylphenol	ND	1.7	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
2,4-Dinitrophenol	ND	3.3	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
2,4-Dinitrotoluene	ND	1.7	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
2,6-Dinitrotoluene	ND	1.7	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
Di-n-octylphthalate	ND	1.7	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
Fluoranthene	2.3	0.85	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
Fluorene	ND	0.85	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
Hexachlorobenzene	ND	1.7	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
Hexachlorobutadiene	ND	1.7	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
Hexachlorocyclopentadiene	ND	1.7	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
Hexachloroethane	ND	1.7	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
Indeno(1,2,3-cd)pyrene	0.95	0.85	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
Isophorone	ND	1.7	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
2-Methylnaphthalene	ND	0.85	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-Dup1 Sampled: 8/29/2017 00:00

Sample ID: 17H1544-20

Sample Matrix: Soil

Sample Flags: RL-12

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Methylphenol	ND	1.7	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
3/4-Methylphenol	ND	1.7	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
Naphthalene	ND	0.85	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
2-Nitroaniline	ND	1.7	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
3-Nitroaniline	ND	1.7	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
4-Nitroaniline	ND	1.7	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
Nitrobenzene	ND	1.7	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
2-Nitrophenol	ND	1.7	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
4-Nitrophenol	ND	3.3	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
N-Nitrosodiphenylamine	ND	1.7	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
N-Nitrosodi-n-propylamine	ND	1.7	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
Pentachloronitrobenzene	ND	1.7	mg/Kg dry	4	V-16	SW-846 8270D	9/5/17	9/7/17 1:13	BGL
Pentachlorophenol	ND	1.7	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
Phenanthrene	ND	0.85	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
Phenol	ND	1.7	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
Pyrene	2.6	0.85	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
Pyridine	ND	1.7	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
1,2,4,5-Tetrachlorobenzene	ND	1.7	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
1,2,4-Trichlorobenzene	ND	1.7	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
2,4,5-Trichlorophenol	ND	1.7	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
2,4,6-Trichlorophenol	ND	1.7	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	64.0	30-130		9/7/17 1:13
Phenol-d6	69.6	30-130		9/7/17 1:13
Nitrobenzene-d5	76.4	30-130		9/7/17 1:13
2-Fluorobiphenyl	63.6	30-130		9/7/17 1:13
2,4,6-Tribromophenol	89.5	30-130		9/7/17 1:13
p-Terphenyl-d14	83.2	30-130		9/7/17 1:13

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-Dup1 Sampled: 8/29/2017 00:00

Sample ID: 17H1544-20

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	mg/Kg dry	8		SW-846 8082A	9/6/17	9/10/17 2:12	TG
Aroclor-1221 [1]	ND	0.20	mg/Kg dry	8		SW-846 8082A	9/6/17	9/10/17 2:12	TG
Aroclor-1232 [1]	ND	0.20	mg/Kg dry	8		SW-846 8082A	9/6/17	9/10/17 2:12	TG
Aroclor-1242 [1]	ND	0.20	mg/Kg dry	8		SW-846 8082A	9/6/17	9/10/17 2:12	TG
Aroclor-1248 [1]	ND	0.20	mg/Kg dry	8		SW-846 8082A	9/6/17	9/10/17 2:12	TG
Aroclor-1254 [1]	ND	0.20	mg/Kg dry	8		SW-846 8082A	9/6/17	9/10/17 2:12	TG
Aroclor-1260 [1]	1.6	0.20	mg/Kg dry	8		SW-846 8082A	9/6/17	9/10/17 2:12	TG
Aroclor-1262 [1]	ND	0.20	mg/Kg dry	8		SW-846 8082A	9/6/17	9/10/17 2:12	TG
Aroclor-1268 [1]	ND	0.20	mg/Kg dry	8		SW-846 8082A	9/6/17	9/10/17 2:12	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	73.2	30-150		9/10/17 2:12
Decachlorobiphenyl [2]	83.6	30-150		9/10/17 2:12
Tetrachloro-m-xylene [1]	85.0	30-150		9/10/17 2:12
Tetrachloro-m-xylene [2]	90.9	30-150		9/10/17 2:12

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-Dup1 Sampled: 8/29/2017 00:00

Sample ID: 17H1544-20

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	560	250	mg/Kg dry	20		CTDEP ETPH	9/5/17	9/7/17 21:36	PJG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
o-Terphenyl	*	50-150	S-01	9/7/17 21:36

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-Dup1 Sampled: 8/29/2017 00:00

Sample ID: 17H1544-20

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	18	3.1	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 17:57	QNW
Arsenic	16	3.1	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 20:55	QNW
Barium	70	3.1	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 20:55	QNW
Beryllium	ND	0.31	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 17:57	QNW
Cadmium	1.4	0.31	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 17:57	QNW
Chromium	91	0.63	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 20:55	QNW
Copper	410	0.63	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 17:57	QNW
Lead	180	0.94	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 20:55	QNW
Mercury	0.21	0.031	mg/Kg dry	1		SW-846 7471B	8/30/17	9/5/17 14:47	TJK
Nickel	150	0.63	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 20:55	QNW
Selenium	ND	6.3	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 17:57	QNW
Silver	ND	1.3	mg/Kg dry	2	DL-04	SW-846 6010C-D	9/5/17	9/11/17 16:09	QNW
Thallium	ND	3.1	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/11/17 16:14	QNW
Vanadium	470	1.3	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 20:55	QNW
Zinc	330	1.3	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 20:55	QNW

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-Dup1 Sampled: 8/29/2017 00:00

Sample ID: 17H1544-20

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	80.2		% Wt	1		SM 2540G	8/31/17	9/1/17 8:37	MRL

con-test® ANALYTICAL LABORATORY

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

Sample Extraction Data

Prep Method: SW-846 3546-CTDEP ETPH

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17H1544-01 [WS-AOC13-SE-26]	B185490	30.0	1.00	09/05/17
17H1544-02 [WS-AOC13-SE-27]	B185490	30.0	1.00	09/05/17
17H1544-03 [WS-AOC13-SE-28]	B185490	30.0	1.00	09/05/17
17H1544-04 [WS-AOC13-SE-29]	B185490	30.0	1.00	09/05/17
17H1544-05 [WS-AOC13-SE-30]	B185490	30.0	1.00	09/05/17
17H1544-06 [WS-AOC13-SE-31]	B185490	30.0	1.00	09/05/17
17H1544-07 [WS-AOC3-SE-6]	B185490	30.0	1.00	09/05/17
17H1544-08 [WS-AOC8-SE-16]	B185490	30.0	2.00	09/05/17
17H1544-09 [WS-AOC8-SE-17]	B185490	30.0	2.00	09/05/17
17H1544-10 [AS-AOC8-SE-18]	B185490	30.0	2.00	09/05/17
17H1544-11 [WS-AOC8-SE-19]	B185490	30.0	1.00	09/05/17
17H1544-12 [WS-AOC8-SE-24]	B185490	30.0	2.00	09/05/17
17H1544-20 [WS-AOC13-SE-Dup1]	B185490	30.0	1.00	09/05/17

Prep Method: % Solids-SM 2540G

Lab Number [Field ID]	Batch	Date
17H1544-01 [WS-AOC13-SE-26]	B185325	08/31/17
17H1544-02 [WS-AOC13-SE-27]	B185325	08/31/17
17H1544-03 [WS-AOC13-SE-28]	B185325	08/31/17
17H1544-04 [WS-AOC13-SE-29]	B185325	08/31/17
17H1544-05 [WS-AOC13-SE-30]	B185325	08/31/17
17H1544-06 [WS-AOC13-SE-31]	B185325	08/31/17
17H1544-07 [WS-AOC3-SE-6]	B185325	08/31/17
17H1544-08 [WS-AOC8-SE-16]	B185325	08/31/17
17H1544-09 [WS-AOC8-SE-17]	B185325	08/31/17
17H1544-10 [AS-AOC8-SE-18]	B185325	08/31/17
17H1544-11 [WS-AOC8-SE-19]	B185325	08/31/17
17H1544-12 [WS-AOC8-SE-24]	B185325	08/31/17
17H1544-20 [WS-AOC13-SE-Dup1]	B185325	08/31/17

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17H1544-01 [WS-AOC13-SE-26]	B185527	1.04	50.0	09/05/17
17H1544-02 [WS-AOC13-SE-27]	B185527	1.02	50.0	09/05/17
17H1544-03 [WS-AOC13-SE-28]	B185527	1.00	50.0	09/05/17
17H1544-04 [WS-AOC13-SE-29]	B185527	1.05	50.0	09/05/17
17H1544-05 [WS-AOC13-SE-30]	B185527	1.08	50.0	09/05/17
17H1544-06 [WS-AOC13-SE-31]	B185527	1.04	50.0	09/05/17
17H1544-07 [WS-AOC3-SE-6]	B185527	1.02	50.0	09/05/17
17H1544-08 [WS-AOC8-SE-16]	B185527	1.01	50.0	09/05/17
17H1544-09 [WS-AOC8-SE-17]	B185527	1.00	50.0	09/05/17
17H1544-10 [AS-AOC8-SE-18]	B185527	1.01	50.0	09/05/17
17H1544-11 [WS-AOC8-SE-19]	B185527	1.04	50.0	09/05/17
17H1544-12 [WS-AOC8-SE-24]	B185527	1.07	50.0	09/05/17
17H1544-20 [WS-AOC13-SE-Dup1]	B185527	0.996	50.0	09/05/17

Prep Method: SW-846 7471-SW-846 7471B

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date

con-test® ANALYTICAL LABORATORY

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Sample Extraction Data

Prep Method: SW-846 7471-SW-846 7471B

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17H1544-01 [WS-AOC13-SE-26]	B185230	0.606	50.0	08/30/17
17H1544-02 [WS-AOC13-SE-27]	B185230	0.591	50.0	08/30/17
17H1544-03 [WS-AOC13-SE-28]	B185230	0.620	50.0	08/30/17
17H1544-04 [WS-AOC13-SE-29]	B185230	0.625	50.0	08/30/17
17H1544-05 [WS-AOC13-SE-30]	B185230	0.598	50.0	08/30/17
17H1544-06 [WS-AOC13-SE-31]	B185230	0.593	50.0	08/30/17
17H1544-07 [WS-AOC3-SE-6]	B185230	0.625	50.0	08/30/17
17H1544-08 [WS-AOC8-SE-16]	B185230	0.603	50.0	08/30/17
17H1544-09 [WS-AOC8-SE-17]	B185230	0.604	50.0	08/30/17
17H1544-10 [AS-AOC8-SE-18]	B185230	0.605	50.0	08/30/17
17H1544-11 [WS-AOC8-SE-19]	B185230	0.602	50.0	08/30/17
17H1544-12 [WS-AOC8-SE-24]	B185230	0.599	50.0	08/30/17
17H1544-20 [WS-AOC13-SE-Dup1]	B185230	0.605	50.0	08/30/17

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17H1544-13 [WS-AOC13-CO-26]	B185577	2.01	10.0	09/06/17
17H1544-14 [WS-AOC13-CO-27]	B185577	2.05	10.0	09/06/17
17H1544-15 [WS-AOC13-CO-29]	B185577	2.23	10.0	09/06/17
17H1544-16 [WS-AOC8-CO-16B]	B185577	2.07	10.0	09/06/17
17H1544-17 [WS-AOC8-CO-17B]	B185577	2.09	10.0	09/06/17
17H1544-18 [WS-AOC8-CO-18B]	B185577	2.08	10.0	09/06/17
17H1544-19 [WS-AOC8-CO-19B]	B185577	2.07	10.0	09/06/17

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17H1544-01 [WS-AOC13-SE-26]	B185576	10.0	10.0	09/06/17
17H1544-02 [WS-AOC13-SE-27]	B185576	10.3	10.0	09/06/17
17H1544-03 [WS-AOC13-SE-28]	B185576	10.1	10.0	09/06/17
17H1544-04 [WS-AOC13-SE-29]	B185576	10.0	10.0	09/06/17
17H1544-05 [WS-AOC13-SE-30]	B185576	10.0	10.0	09/06/17
17H1544-06 [WS-AOC13-SE-31]	B185576	10.2	10.0	09/06/17
17H1544-07 [WS-AOC3-SE-6]	B185576	10.1	10.0	09/06/17
17H1544-08 [WS-AOC8-SE-16]	B185576	10.2	10.0	09/06/17
17H1544-09 [WS-AOC8-SE-17]	B185576	10.2	10.0	09/06/17
17H1544-10 [AS-AOC8-SE-18]	B185576	10.3	10.0	09/06/17
17H1544-11 [WS-AOC8-SE-19]	B185576	10.0	10.0	09/06/17
17H1544-12 [WS-AOC8-SE-24]	B185576	10.2	10.0	09/06/17
17H1544-20 [WS-AOC13-SE-Dup1]	B185576	10.1	10.0	09/06/17

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

Lab Number [Field ID]	Batch	Sample Amount(g)	Methanol Volume(mL)	Methanol Aliquot(mL)	Final Volume(mL)	Date
17H1544-07 [WS-AOC3-SE-6]	B185016	5.72	7.52	1	50	08/30/17
17H1544-12 [WS-AOC8-SE-24]	B185016	4.88	6.49	1	50	08/30/17

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Sample Extraction Data

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17H1544-01 [WS-AOC13-SE-26]	B185200	6.54	10.0	08/30/17
17H1544-02 [WS-AOC13-SE-27]	B185200	5.46	10.0	08/30/17
17H1544-03 [WS-AOC13-SE-28]	B185200	6.98	10.0	08/30/17
17H1544-04 [WS-AOC13-SE-29]	B185200	7.23	10.0	08/30/17
17H1544-05 [WS-AOC13-SE-30]	B185200	5.99	10.0	08/30/17
17H1544-06 [WS-AOC13-SE-31]	B185200	7.12	10.0	08/30/17
17H1544-08 [WS-AOC8-SE-16]	B185200	5.56	10.0	08/30/17
17H1544-09 [WS-AOC8-SE-17]	B185200	5.73	10.0	08/30/17
17H1544-10 [AS-AOC8-SE-18]	B185200	6.60	10.0	08/30/17
17H1544-11 [WS-AOC8-SE-19]	B185200	5.36	10.0	08/30/17
17H1544-20 [WS-AOC13-SE-Dup1]	B185200	6.80	10.0	08/30/17

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17H1544-01 [WS-AOC13-SE-26]	B185495	30.0	1.00	09/05/17
17H1544-02 [WS-AOC13-SE-27]	B185495	30.0	1.00	09/05/17
17H1544-03 [WS-AOC13-SE-28]	B185495	30.0	1.00	09/05/17
17H1544-03RE1 [WS-AOC13-SE-28]	B185495	30.0	1.00	09/05/17
17H1544-04 [WS-AOC13-SE-29]	B185495	30.0	1.00	09/05/17
17H1544-04RE1 [WS-AOC13-SE-29]	B185495	30.0	1.00	09/05/17
17H1544-05 [WS-AOC13-SE-30]	B185495	30.0	1.00	09/05/17
17H1544-05RE1 [WS-AOC13-SE-30]	B185495	30.0	1.00	09/05/17
17H1544-06 [WS-AOC13-SE-31]	B185495	30.0	1.00	09/05/17
17H1544-06RE1 [WS-AOC13-SE-31]	B185495	30.0	1.00	09/05/17
17H1544-07 [WS-AOC3-SE-6]	B185495	30.0	1.00	09/05/17
17H1544-08 [WS-AOC8-SE-16]	B185495	30.0	2.00	09/05/17
17H1544-08RE1 [WS-AOC8-SE-16]	B185495	30.0	2.00	09/05/17
17H1544-09 [WS-AOC8-SE-17]	B185495	30.0	2.00	09/05/17
17H1544-09RE1 [WS-AOC8-SE-17]	B185495	30.0	2.00	09/05/17
17H1544-10 [AS-AOC8-SE-18]	B185495	30.0	1.00	09/05/17
17H1544-10RE1 [AS-AOC8-SE-18]	B185495	30.0	1.00	09/05/17
17H1544-11 [WS-AOC8-SE-19]	B185495	30.0	1.00	09/05/17
17H1544-11RE1 [WS-AOC8-SE-19]	B185495	30.0	1.00	09/05/17
17H1544-11RE2 [WS-AOC8-SE-19]	B185495	30.0	1.00	09/05/17
17H1544-12 [WS-AOC8-SE-24]	B185495	30.0	2.00	09/05/17
17H1544-20 [WS-AOC13-SE-Dup1]	B185495	30.0	1.00	09/05/17

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B185016 - SW-846 5035										
Blank (B185016-BLK1)				Prepared: 08/28/17 Analyzed: 09/05/17						
Acetone	ND	2.5	mg/Kg wet							
Acrylonitrile	ND	0.25	mg/Kg wet							
Benzene	ND	0.050	mg/Kg wet							
Bromobenzene	ND	0.050	mg/Kg wet							
Bromodichloromethane	ND	0.050	mg/Kg wet							
Bromoform	ND	0.050	mg/Kg wet							
Bromomethane	ND	0.10	mg/Kg wet							
2-Butanone (MEK)	ND	1.0	mg/Kg wet							
n-Butylbenzene	ND	0.050	mg/Kg wet							
sec-Butylbenzene	ND	0.050	mg/Kg wet							
tert-Butylbenzene	ND	0.050	mg/Kg wet							
Carbon Disulfide	ND	0.15	mg/Kg wet							
Carbon Tetrachloride	ND	0.050	mg/Kg wet							
Chlorobenzene	ND	0.050	mg/Kg wet							
Chlorodibromomethane	ND	0.025	mg/Kg wet							
Chloroethane	ND	0.10	mg/Kg wet							
Chloroform	ND	0.10	mg/Kg wet							
Chloromethane	ND	0.10	mg/Kg wet							
2-Chlorotoluene	ND	0.050	mg/Kg wet							
4-Chlorotoluene	ND	0.050	mg/Kg wet							
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.25	mg/Kg wet							
1,2-Dibromoethane (EDB)	ND	0.025	mg/Kg wet							
Dibromomethane	ND	0.050	mg/Kg wet							
1,2-Dichlorobenzene	ND	0.050	mg/Kg wet							
1,3-Dichlorobenzene	ND	0.050	mg/Kg wet							
1,4-Dichlorobenzene	ND	0.050	mg/Kg wet							
trans-1,4-Dichloro-2-butene	ND	0.10	mg/Kg wet							
Dichlorodifluoromethane (Freon 12)	ND	0.10	mg/Kg wet							
1,1-Dichloroethane	ND	0.050	mg/Kg wet							
1,2-Dichloroethane	ND	0.050	mg/Kg wet							
1,1-Dichloroethylene	ND	0.050	mg/Kg wet							
cis-1,2-Dichloroethylene	ND	0.050	mg/Kg wet							
trans-1,2-Dichloroethylene	ND	0.050	mg/Kg wet							
1,2-Dichloropropane	ND	0.050	mg/Kg wet							
1,3-Dichloropropane	ND	0.025	mg/Kg wet							
2,2-Dichloropropane	ND	0.050	mg/Kg wet							
1,1-Dichloropropene	ND	0.10	mg/Kg wet							
cis-1,3-Dichloropropene	ND	0.025	mg/Kg wet							
trans-1,3-Dichloropropene	ND	0.025	mg/Kg wet							
Ethylbenzene	ND	0.050	mg/Kg wet							
Hexachlorobutadiene	ND	0.050	mg/Kg wet							
2-Hexanone (MBK)	ND	0.50	mg/Kg wet							
Isopropylbenzene (Cumene)	ND	0.050	mg/Kg wet							
p-Isopropyltoluene (p-Cymene)	ND	0.050	mg/Kg wet							
Methyl tert-Butyl Ether (MTBE)	ND	0.050	mg/Kg wet							
Methylene Chloride	ND	0.25	mg/Kg wet							
4-Methyl-2-pentanone (MIBK)	ND	0.50	mg/Kg wet							
Naphthalene	ND	0.10	mg/Kg wet							
n-Propylbenzene	ND	0.050	mg/Kg wet							
Styrene	ND	0.050	mg/Kg wet							
1,1,1,2-Tetrachloroethane	ND	0.050	mg/Kg wet							
1,1,2,2-Tetrachloroethane	ND	0.025	mg/Kg wet							

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes
Batch B185016 - SW-846 5035											
Blank (B185016-BLK1)				Prepared: 08/28/17 Analyzed: 09/05/17							
Tetrachloroethylene	ND	0.050	mg/Kg wet								
Tetrahydrofuran	ND	0.50	mg/Kg wet								
Toluene	ND	0.050	mg/Kg wet								
1,2,3-Trichlorobenzene	ND	0.25	mg/Kg wet								
1,2,4-Trichlorobenzene	ND	0.050	mg/Kg wet								
1,1,1-Trichloroethane	ND	0.050	mg/Kg wet								
1,1,2-Trichloroethane	ND	0.050	mg/Kg wet								
Trichloroethylene	ND	0.050	mg/Kg wet								
Trichlorofluoromethane (Freon 11)	ND	0.10	mg/Kg wet								
1,2,3-Trichloropropane	ND	0.10	mg/Kg wet								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.050	mg/Kg wet								
1,2,4-Trimethylbenzene	ND	0.050	mg/Kg wet								
1,3,5-Trimethylbenzene	ND	0.050	mg/Kg wet								
Vinyl Chloride	ND	0.10	mg/Kg wet								
m+p Xylene	ND	0.10	mg/Kg wet								
o-Xylene	ND	0.050	mg/Kg wet								
Surrogate: 1,2-Dichloroethane-d4	*0.0275*		mg/Kg wet	0.0250		110		70-130			
Surrogate: Toluene-d8	*0.0253*		mg/Kg wet	0.0250		101		70-130			
Surrogate: 4-Bromofluorobenzene	*0.0231*		mg/Kg wet	0.0250		92.4		70-130			
LCS (B185016-BS1)				Prepared: 08/28/17 Analyzed: 09/05/17							
Acetone	0.125	0.057	mg/Kg wet	0.113		110		70-130			
Acrylonitrile	0.0123	0.0057	mg/Kg wet	0.0113		109		70-130			
Benzene	0.0126	0.0011	mg/Kg wet	0.0113		111		70-130			
Bromobenzene	0.0128	0.0011	mg/Kg wet	0.0113		113		70-130			
Bromodichloromethane	0.0128	0.0011	mg/Kg wet	0.0113		113		70-130			
Bromoform	0.0117	0.0011	mg/Kg wet	0.0113		104		70-130			
Bromomethane	0.0147	0.0023	mg/Kg wet	0.0113		129		70-130			
2-Butanone (MEK)	0.139	0.023	mg/Kg wet	0.113		123		70-130			
n-Butylbenzene	0.0142	0.0011	mg/Kg wet	0.0113		125		70-130			
sec-Butylbenzene	0.0133	0.0011	mg/Kg wet	0.0113		118		70-130			
tert-Butylbenzene	0.0132	0.0011	mg/Kg wet	0.0113		117		70-130			
Carbon Disulfide	0.140	0.0034	mg/Kg wet	0.113		124		70-130			
Carbon Tetrachloride	0.0131	0.0011	mg/Kg wet	0.0113		116		70-130			
Chlorobenzene	0.0120	0.0011	mg/Kg wet	0.0113		106		70-130			
Chlorodibromomethane	0.0137	0.00057	mg/Kg wet	0.0113		121		70-130			
Chloroethane	0.0130	0.0023	mg/Kg wet	0.0113		115		70-130			
Chloroform	0.0124	0.0023	mg/Kg wet	0.0113		109		70-130			
Chloromethane	0.0159	0.0023	mg/Kg wet	0.0113		**141**	*	70-130			L-01
2-Chlorotoluene	0.0108	0.0011	mg/Kg wet	0.0113		95.1		70-130			
4-Chlorotoluene	0.0120	0.0011	mg/Kg wet	0.0113		106		70-130			
1,2-Dibromo-3-chloropropane (DBCP)	0.0148	0.0057	mg/Kg wet	0.0113		**131**	*	70-130			L-01
1,2-Dibromoethane (EDB)	0.0127	0.00057	mg/Kg wet	0.0113		112		70-130			
Dibromomethane	0.0121	0.0011	mg/Kg wet	0.0113		107		70-130			
1,2-Dichlorobenzene	0.0131	0.0011	mg/Kg wet	0.0113		115		70-130			
1,3-Dichlorobenzene	0.0127	0.0011	mg/Kg wet	0.0113		112		70-130			
1,4-Dichlorobenzene	0.0119	0.0011	mg/Kg wet	0.0113		105		70-130			
trans-1,4-Dichloro-2-butene	0.0143	0.0023	mg/Kg wet	0.0113		126		70-130			
Dichlorodifluoromethane (Freon 12)	0.0139	0.0023	mg/Kg wet	0.0113		122		70-130			
1,1-Dichloroethane	0.0137	0.0011	mg/Kg wet	0.0113		121		70-130			
1,2-Dichloroethane	0.0120	0.0011	mg/Kg wet	0.0113		106		70-130			
1,1-Dichloroethylene	0.0130	0.0011	mg/Kg wet	0.0113		115		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 B185016 - SW-846 5035										
LCS (B185016-BS1)				Prepared: 08/28/17 Analyzed: 09/05/17						
cis-1,2-Dichloroethylene	0.0130	0.0011	mg/Kg wet	0.0113		115	70-130			
trans-1,2-Dichloroethylene	0.0135	0.0011	mg/Kg wet	0.0113		119	70-130			
1,2-Dichloropropane	0.0116	0.0011	mg/Kg wet	0.0113		102	70-130			
1,3-Dichloropropane	0.0123	0.00057	mg/Kg wet	0.0113		108	70-130			
2,2-Dichloropropane	0.0130	0.0011	mg/Kg wet	0.0113		115	70-130			
1,1-Dichloropropene	0.0134	0.0023	mg/Kg wet	0.0113		118	70-130			
cis-1,3-Dichloropropene	0.0125	0.00057	mg/Kg wet	0.0113		110	70-130			
trans-1,3-Dichloropropene	0.0115	0.00057	mg/Kg wet	0.0113		101	70-130			
Ethylbenzene	0.0126	0.0011	mg/Kg wet	0.0113		111	70-130			
Hexachlorobutadiene	0.0131	0.0011	mg/Kg wet	0.0113		116	70-130			
2-Hexanone (MBK)	0.141	0.011	mg/Kg wet	0.113		124	70-130			
Isopropylbenzene (Cumene)	0.0124	0.0011	mg/Kg wet	0.0113		109	70-130			
p-Isopropyltoluene (p-Cymene)	0.0139	0.0011	mg/Kg wet	0.0113		122	70-130			
Methyl tert-Butyl Ether (MTBE)	0.0122	0.0011	mg/Kg wet	0.0113		107	70-130			
Methylene Chloride	0.0125	0.0057	mg/Kg wet	0.0113		111	70-130			
4-Methyl-2-pentanone (MIBK)	0.131	0.011	mg/Kg wet	0.113		115	70-130			
Naphthalene	0.0133	0.0023	mg/Kg wet	0.0113		117	70-130			
n-Propylbenzene	0.0127	0.0011	mg/Kg wet	0.0113		112	70-130			
Styrene	0.0121	0.0011	mg/Kg wet	0.0113		107	70-130			
1,1,1,2-Tetrachloroethane	0.0124	0.0011	mg/Kg wet	0.0113		110	70-130			
1,1,2,2-Tetrachloroethane	0.0127	0.00057	mg/Kg wet	0.0113		112	70-130			
Tetrachloroethylene	0.0124	0.0011	mg/Kg wet	0.0113		109	70-130			
Tetrahydrofuran	0.0123	0.011	mg/Kg wet	0.0113		108	70-130			
Toluene	0.0122	0.0011	mg/Kg wet	0.0113		108	70-130			
1,2,3-Trichlorobenzene	0.0128	0.0057	mg/Kg wet	0.0113		113	70-130			
1,2,4-Trichlorobenzene	0.0130	0.0011	mg/Kg wet	0.0113		115	70-130			
1,1,1-Trichloroethane	0.0133	0.0011	mg/Kg wet	0.0113		117	70-130			
1,1,2-Trichloroethane	0.0126	0.0011	mg/Kg wet	0.0113		111	70-130			
Trichloroethylene	0.0124	0.0011	mg/Kg wet	0.0113		110	70-130			
Trichlorofluoromethane (Freon 11)	0.0126	0.0023	mg/Kg wet	0.0113		112	70-130			
1,2,3-Trichloropropane	0.0130	0.0023	mg/Kg wet	0.0113		114	70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.0124	0.0011	mg/Kg wet	0.0113		109	70-130			
1,2,4-Trimethylbenzene	0.0134	0.0011	mg/Kg wet	0.0113		118	70-130			
1,3,5-Trimethylbenzene	0.0127	0.0011	mg/Kg wet	0.0113		112	70-130			
Vinyl Chloride	0.0104	0.0023	mg/Kg wet	0.0113		92.2	70-130			
m+p Xylene	0.0253	0.0023	mg/Kg wet	0.0227		112	70-130			
o-Xylene	0.0125	0.0011	mg/Kg wet	0.0113		110	70-130			
Surrogate: 1,2-Dichloroethane-d4	*0.0318*		mg/Kg wet	0.0283		112	70-130			
Surrogate: Toluene-d8	*0.0288*		mg/Kg wet	0.0283		102	70-130			
Surrogate: 4-Bromofluorobenzene	*0.0274*		mg/Kg wet	0.0283		96.8	70-130			
Batch B185200 - SW-846 5035										
Blank (B185200-BLK1)				Prepared & Analyzed: 08/30/17						
Acetone	ND	0.10	mg/Kg wet							
Acrylonitrile	ND	0.0060	mg/Kg wet							
Benzene	ND	0.0020	mg/Kg wet							
Bromobenzene	ND	0.0020	mg/Kg wet							
Bromodichloromethane	ND	0.0020	mg/Kg wet							
Bromoform	ND	0.0020	mg/Kg wet							
Bromomethane	ND	0.010	mg/Kg wet							
2-Butanone (MEK)	ND	0.040	mg/Kg wet							

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B185200 - SW-846 5035										
Blank (B185200-BLK1)				Prepared & Analyzed: 08/30/17						
n-Butylbenzene	ND	0.0020	mg/Kg wet							
sec-Butylbenzene	ND	0.0020	mg/Kg wet							
tert-Butylbenzene	ND	0.0020	mg/Kg wet							
Carbon Disulfide	ND	0.0060	mg/Kg wet							
Carbon Tetrachloride	ND	0.0020	mg/Kg wet							
Chlorobenzene	ND	0.0020	mg/Kg wet							
Chlorodibromomethane	ND	0.0010	mg/Kg wet							
Chloroethane	ND	0.020	mg/Kg wet							
Chloroform	ND	0.0040	mg/Kg wet							
Chloromethane	ND	0.010	mg/Kg wet							
2-Chlorotoluene	ND	0.0020	mg/Kg wet							
4-Chlorotoluene	ND	0.0020	mg/Kg wet							
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0020	mg/Kg wet							
1,2-Dibromoethane (EDB)	ND	0.0010	mg/Kg wet							
Dibromomethane	ND	0.0020	mg/Kg wet							
1,2-Dichlorobenzene	ND	0.0020	mg/Kg wet							
1,3-Dichlorobenzene	ND	0.0020	mg/Kg wet							
1,4-Dichlorobenzene	ND	0.0020	mg/Kg wet							
trans-1,4-Dichloro-2-butene	ND	0.0040	mg/Kg wet							
Dichlorodifluoromethane (Freon 12)	ND	0.020	mg/Kg wet							
1,1-Dichloroethane	ND	0.0020	mg/Kg wet							
1,2-Dichloroethane	ND	0.0020	mg/Kg wet							
1,1-Dichloroethylene	ND	0.0040	mg/Kg wet							
cis-1,2-Dichloroethylene	ND	0.0020	mg/Kg wet							
trans-1,2-Dichloroethylene	ND	0.0020	mg/Kg wet							
1,2-Dichloropropane	ND	0.0020	mg/Kg wet							
1,3-Dichloropropane	ND	0.0010	mg/Kg wet							
2,2-Dichloropropane	ND	0.0020	mg/Kg wet							
1,1-Dichloropropene	ND	0.0020	mg/Kg wet							
cis-1,3-Dichloropropene	ND	0.0010	mg/Kg wet							
trans-1,3-Dichloropropene	ND	0.0010	mg/Kg wet							
Ethylbenzene	ND	0.0020	mg/Kg wet							
Hexachlorobutadiene	ND	0.0020	mg/Kg wet							
2-Hexanone (MBK)	ND	0.020	mg/Kg wet							
Isopropylbenzene (Cumene)	ND	0.0020	mg/Kg wet							
p-Isopropyltoluene (p-Cymene)	ND	0.0020	mg/Kg wet							
Methyl tert-Butyl Ether (MTBE)	ND	0.0040	mg/Kg wet							
Methylene Chloride	ND	0.020	mg/Kg wet							
4-Methyl-2-pentanone (MIBK)	ND	0.020	mg/Kg wet							
Naphthalene	ND	0.0040	mg/Kg wet							
n-Propylbenzene	ND	0.0020	mg/Kg wet							
Styrene	ND	0.0020	mg/Kg wet							
1,1,1,2-Tetrachloroethane	ND	0.0020	mg/Kg wet							
1,1,2,2-Tetrachloroethane	ND	0.0040	mg/Kg wet							
Tetrachloroethylene	ND	0.0020	mg/Kg wet							
Tetrahydrofuran	ND	0.010	mg/Kg wet							V-16
Toluene	ND	0.0020	mg/Kg wet							
1,2,3-Trichlorobenzene	ND	0.0020	mg/Kg wet							
1,2,4-Trichlorobenzene	ND	0.0020	mg/Kg wet							
1,1,1-Trichloroethane	ND	0.0020	mg/Kg wet							
1,1,2-Trichloroethane	ND	0.0020	mg/Kg wet							
Trichloroethylene	ND	0.0020	mg/Kg wet							

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B185200 - SW-846 5035										
Blank (B185200-BLK1)				Prepared & Analyzed: 08/30/17						
Trichlorofluoromethane (Freon 11)	ND	0.010	mg/Kg wet							
1,2,3-Trichloropropane	ND	0.0020	mg/Kg wet							
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.010	mg/Kg wet							
1,2,4-Trimethylbenzene	ND	0.0020	mg/Kg wet							
1,3,5-Trimethylbenzene	ND	0.0020	mg/Kg wet							
Vinyl Chloride	ND	0.010	mg/Kg wet							
m+p Xylene	ND	0.0040	mg/Kg wet							
o-Xylene	ND	0.0020	mg/Kg wet							
Surrogate: 1,2-Dichloroethane-d4	*0.0519*		mg/Kg wet	0.0500		104	70-130			
Surrogate: Toluene-d8	*0.0521*		mg/Kg wet	0.0500		104	70-130			
Surrogate: 4-Bromofluorobenzene	*0.0507*		mg/Kg wet	0.0500		101	70-130			
LCS (B185200-BS1)				Prepared & Analyzed: 08/30/17						
Acetone	0.176	0.10	mg/Kg wet	0.200		88.2	70-130			
Acrylonitrile	0.0219	0.0060	mg/Kg wet	0.0200		109	70-130			
Benzene	0.0181	0.0020	mg/Kg wet	0.0200		90.7	70-130			
Bromobenzene	0.0163	0.0020	mg/Kg wet	0.0200		81.4	70-130			
Bromodichloromethane	0.0182	0.0020	mg/Kg wet	0.0200		91.1	70-130			
Bromoform	0.0172	0.0020	mg/Kg wet	0.0200		86.2	70-130			
Bromomethane	0.0196	0.010	mg/Kg wet	0.0200		97.9	70-130			
2-Butanone (MEK)	0.215	0.040	mg/Kg wet	0.200		108	70-130			
n-Butylbenzene	0.0172	0.0020	mg/Kg wet	0.0200		86.2	70-130			
sec-Butylbenzene	0.0191	0.0020	mg/Kg wet	0.0200		95.4	70-130			
tert-Butylbenzene	0.0194	0.0020	mg/Kg wet	0.0200		96.9	70-130			
Carbon Disulfide	0.203	0.0060	mg/Kg wet	0.200		102	70-130			
Carbon Tetrachloride	0.0188	0.0020	mg/Kg wet	0.0200		94.2	70-130			
Chlorobenzene	0.0170	0.0020	mg/Kg wet	0.0200		84.8	70-130			
Chlorodibromomethane	0.0203	0.0010	mg/Kg wet	0.0200		102	70-130			
Chloroethane	0.0158	0.020	mg/Kg wet	0.0200		79.1	70-130			
Chloroform	0.0185	0.0040	mg/Kg wet	0.0200		92.6	70-130			
Chloromethane	0.0194	0.010	mg/Kg wet	0.0200		97.2	70-130			
2-Chlorotoluene	0.0172	0.0020	mg/Kg wet	0.0200		86.0	70-130			
4-Chlorotoluene	0.0173	0.0020	mg/Kg wet	0.0200		86.4	70-130			
1,2-Dibromo-3-chloropropane (DBCP)	0.0206	0.0020	mg/Kg wet	0.0200		103	70-130			
1,2-Dibromoethane (EDB)	0.0207	0.0010	mg/Kg wet	0.0200		103	70-130			
Dibromomethane	0.0191	0.0020	mg/Kg wet	0.0200		95.7	70-130			
1,2-Dichlorobenzene	0.0181	0.0020	mg/Kg wet	0.0200		90.3	70-130			
1,3-Dichlorobenzene	0.0168	0.0020	mg/Kg wet	0.0200		84.1	70-130			
1,4-Dichlorobenzene	0.0178	0.0020	mg/Kg wet	0.0200		88.8	70-130			
trans-1,4-Dichloro-2-butene	0.0179	0.0040	mg/Kg wet	0.0200		89.7	70-130			
Dichlorodifluoromethane (Freon 12)	0.0227	0.020	mg/Kg wet	0.0200		113	70-130			
1,1-Dichloroethane	0.0196	0.0020	mg/Kg wet	0.0200		98.1	70-130			
1,2-Dichloroethane	0.0225	0.0020	mg/Kg wet	0.0200		112	70-130			
1,1-Dichloroethylene	0.0198	0.0040	mg/Kg wet	0.0200		98.8	70-130			
cis-1,2-Dichloroethylene	0.0196	0.0020	mg/Kg wet	0.0200		98.1	70-130			
trans-1,2-Dichloroethylene	0.0236	0.0020	mg/Kg wet	0.0200		118	70-130			
1,2-Dichloropropane	0.0208	0.0020	mg/Kg wet	0.0200		104	70-130			
1,3-Dichloropropane	0.0194	0.0010	mg/Kg wet	0.0200		97.2	70-130			
2,2-Dichloropropane	0.0181	0.0020	mg/Kg wet	0.0200		90.3	70-130			
1,1-Dichloropropene	0.0180	0.0020	mg/Kg wet	0.0200		89.9	70-130			
cis-1,3-Dichloropropene	0.0183	0.0010	mg/Kg wet	0.0200		91.3	70-130			
trans-1,3-Dichloropropene	0.0199	0.0010	mg/Kg wet	0.0200		99.4	70-130			

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B185200 - SW-846 5035										
LCS (B185200-BS1)				Prepared & Analyzed: 08/30/17						
Ethylbenzene	0.0176	0.0020	mg/Kg wet	0.0200		87.8	70-130			
Hexachlorobutadiene	0.0203	0.0020	mg/Kg wet	0.0200		101	70-130			
2-Hexanone (MBK)	0.213	0.020	mg/Kg wet	0.200		106	70-130			
Isopropylbenzene (Cumene)	0.0179	0.0020	mg/Kg wet	0.0200		89.7	70-130			
p-Isopropyltoluene (p-Cymene)	0.0186	0.0020	mg/Kg wet	0.0200		92.9	70-130			
Methyl tert-Butyl Ether (MTBE)	0.0184	0.0040	mg/Kg wet	0.0200		92.1	70-130			
Methylene Chloride	0.0221	0.020	mg/Kg wet	0.0200		111	70-130			
4-Methyl-2-pentanone (MIBK)	0.218	0.020	mg/Kg wet	0.200		109	70-130			
Naphthalene	0.0154	0.0040	mg/Kg wet	0.0200		76.8	70-130			
n-Propylbenzene	0.0171	0.0020	mg/Kg wet	0.0200		85.3	70-130			
Styrene	0.0170	0.0020	mg/Kg wet	0.0200		85.0	70-130			
1,1,1,2-Tetrachloroethane	0.0176	0.0020	mg/Kg wet	0.0200		87.9	70-130			
1,1,2,2-Tetrachloroethane	0.0160	0.0040	mg/Kg wet	0.0200		79.8	70-130			
Tetrachloroethylene	0.0211	0.0020	mg/Kg wet	0.0200		106	70-130			
Tetrahydrofuran	0.0178	0.010	mg/Kg wet	0.0200		88.9	70-130			V-16
Toluene	0.0192	0.0020	mg/Kg wet	0.0200		96.1	70-130			
1,2,3-Trichlorobenzene	0.0167	0.0020	mg/Kg wet	0.0200		83.7	70-130			
1,2,4-Trichlorobenzene	0.0175	0.0020	mg/Kg wet	0.0200		87.6	70-130			
1,1,1-Trichloroethane	0.0208	0.0020	mg/Kg wet	0.0200		104	70-130			
1,1,2-Trichloroethane	0.0182	0.0020	mg/Kg wet	0.0200		91.0	70-130			
Trichloroethylene	0.0195	0.0020	mg/Kg wet	0.0200		97.4	70-130			
Trichlorofluoromethane (Freon 11)	0.0238	0.010	mg/Kg wet	0.0200		119	70-130			
1,2,3-Trichloropropane	0.0188	0.0020	mg/Kg wet	0.0200		93.8	70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.0217	0.010	mg/Kg wet	0.0200		108	70-130			
1,2,4-Trimethylbenzene	0.0195	0.0020	mg/Kg wet	0.0200		97.7	70-130			
1,3,5-Trimethylbenzene	0.0183	0.0020	mg/Kg wet	0.0200		91.5	70-130			
Vinyl Chloride	0.0175	0.010	mg/Kg wet	0.0200		87.3	70-130			
m+p Xylene	0.0349	0.0040	mg/Kg wet	0.0400		87.2	70-130			
o-Xylene	0.0176	0.0020	mg/Kg wet	0.0200		87.8	70-130			
Surrogate: 1,2-Dichloroethane-d4	*0.0519*		mg/Kg wet	0.0500		104	70-130			
Surrogate: Toluene-d8	*0.0528*		mg/Kg wet	0.0500		106	70-130			
Surrogate: 4-Bromofluorobenzene	*0.0518*		mg/Kg wet	0.0500		104	70-130			

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B185495 - SW-846 3546										
Blank (B185495-BLK1)				Prepared: 09/05/17 Analyzed: 09/06/17						
Acenaphthene	ND	0.17	mg/Kg wet							
Acenaphthylene	ND	0.17	mg/Kg wet							
Aniline	ND	0.34	mg/Kg wet							
Anthracene	ND	0.17	mg/Kg wet							
Benzo(a)anthracene	ND	0.17	mg/Kg wet							
Benzo(a)pyrene	ND	0.17	mg/Kg wet							
Benzo(b)fluoranthene	ND	0.17	mg/Kg wet							
Benzo(g,h,i)perylene	ND	0.17	mg/Kg wet							
Benzo(k)fluoranthene	ND	0.17	mg/Kg wet							
Bis(2-chloroethoxy)methane	ND	0.34	mg/Kg wet							
Bis(2-chloroethyl)ether	ND	0.34	mg/Kg wet							
Bis(2-chloroisopropyl)ether	ND	0.34	mg/Kg wet							
Bis(2-Ethylhexyl)phthalate	ND	0.34	mg/Kg wet							
4-Bromophenylphenylether	ND	0.34	mg/Kg wet							
Butylbenzylphthalate	ND	0.34	mg/Kg wet							
Carbazole	ND	0.17	mg/Kg wet							
4-Chloroaniline	ND	0.66	mg/Kg wet							
4-Chloro-3-methylphenol	ND	0.66	mg/Kg wet							
2-Chloronaphthalene	ND	0.34	mg/Kg wet							
2-Chlorophenol	ND	0.34	mg/Kg wet							
4-Chlorophenylphenylether	ND	0.34	mg/Kg wet							
Chrysene	ND	0.17	mg/Kg wet							
Dibenz(a,h)anthracene	ND	0.17	mg/Kg wet							
Dibenzofuran	ND	0.34	mg/Kg wet							
Di-n-butylphthalate	ND	0.34	mg/Kg wet							
3,3-Dichlorobenzidine	ND	0.17	mg/Kg wet							
2,4-Dichlorophenol	ND	0.34	mg/Kg wet							
Diethylphthalate	ND	0.34	mg/Kg wet							
2,4-Dimethylphenol	ND	0.34	mg/Kg wet							
Dimethylphthalate	ND	0.34	mg/Kg wet							
4,6-Dinitro-2-methylphenol	ND	0.34	mg/Kg wet							
2,4-Dinitrophenol	ND	0.66	mg/Kg wet							
2,4-Dinitrotoluene	ND	0.34	mg/Kg wet							
2,6-Dinitrotoluene	ND	0.34	mg/Kg wet							
Di-n-octylphthalate	ND	0.34	mg/Kg wet							
Fluoranthene	ND	0.17	mg/Kg wet							
Fluorene	ND	0.17	mg/Kg wet							
Hexachlorobenzene	ND	0.34	mg/Kg wet							
Hexachlorobutadiene	ND	0.34	mg/Kg wet							
Hexachlorocyclopentadiene	ND	0.34	mg/Kg wet							
Hexachloroethane	ND	0.34	mg/Kg wet							
Indeno(1,2,3-cd)pyrene	ND	0.17	mg/Kg wet							
Isophorone	ND	0.34	mg/Kg wet							
2-Methylnaphthalene	ND	0.17	mg/Kg wet							
2-Methylphenol	ND	0.34	mg/Kg wet							
3/4-Methylphenol	ND	0.34	mg/Kg wet							
Naphthalene	ND	0.17	mg/Kg wet							
2-Nitroaniline	ND	0.34	mg/Kg wet							
3-Nitroaniline	ND	0.34	mg/Kg wet							
4-Nitroaniline	ND	0.34	mg/Kg wet							
Nitrobenzene	ND	0.34	mg/Kg wet							
2-Nitrophenol	ND	0.34	mg/Kg wet							

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes	
Batch B185495 - SW-846 3546											
Blank (B185495-BLK1)				Prepared: 09/05/17 Analyzed: 09/06/17							
4-Nitrophenol	ND	0.66	mg/Kg wet								
N-Nitrosodiphenylamine	ND	0.34	mg/Kg wet								
N-Nitrosodi-n-propylamine	ND	0.34	mg/Kg wet								
Pentachloronitrobenzene	ND	0.34	mg/Kg wet							V-16	
Pentachlorophenol	ND	0.34	mg/Kg wet								
Phenanthrene	ND	0.17	mg/Kg wet								
Phenol	ND	0.34	mg/Kg wet								
Pyrene	ND	0.17	mg/Kg wet								
Pyridine	ND	0.34	mg/Kg wet								
1,2,4,5-Tetrachlorobenzene	ND	0.34	mg/Kg wet								
1,2,4-Trichlorobenzene	ND	0.34	mg/Kg wet								
2,4,5-Trichlorophenol	ND	0.34	mg/Kg wet								
2,4,6-Trichlorophenol	ND	0.34	mg/Kg wet								
Surrogate: 2-Fluorophenol	*4.54*		mg/Kg wet	6.67		68.2	30-130				
Surrogate: Phenol-d6	*4.69*		mg/Kg wet	6.67		70.4	30-130				
Surrogate: Nitrobenzene-d5	*2.33*		mg/Kg wet	3.33		69.8	30-130				
Surrogate: 2-Fluorobiphenyl	*2.42*		mg/Kg wet	3.33		72.5	30-130				
Surrogate: 2,4,6-Tribromophenol	*5.89*		mg/Kg wet	6.67		88.4	30-130				
Surrogate: p-Terphenyl-d14	*2.93*		mg/Kg wet	3.33		87.8	30-130				
LCS (B185495-BS1)				Prepared: 09/05/17 Analyzed: 09/06/17							
Acenaphthene	0.995	0.17	mg/Kg wet	1.67		59.7	40-140				
Acenaphthylene	0.972	0.17	mg/Kg wet	1.67		58.3	40-140				
Aniline	0.778	0.34	mg/Kg wet	1.67		46.7	40-140				†
Anthracene	1.06	0.17	mg/Kg wet	1.67		63.3	40-140				
Benzo(a)anthracene	1.13	0.17	mg/Kg wet	1.67		67.8	40-140				
Benzo(a)pyrene	1.12	0.17	mg/Kg wet	1.67		67.4	40-140				
Benzo(b)fluoranthene	1.07	0.17	mg/Kg wet	1.67		64.5	40-140				
Benzo(g,h,i)perylene	1.17	0.17	mg/Kg wet	1.67		70.0	40-140				
Benzo(k)fluoranthene	1.09	0.17	mg/Kg wet	1.67		65.6	40-140				
Bis(2-chloroethoxy)methane	1.21	0.34	mg/Kg wet	1.67		72.8	40-140				
Bis(2-chloroethyl)ether	1.05	0.34	mg/Kg wet	1.67		63.2	40-140				
Bis(2-chloroisopropyl)ether	1.17	0.34	mg/Kg wet	1.67		70.2	40-140				
Bis(2-Ethylhexyl)phthalate	1.18	0.34	mg/Kg wet	1.67		70.6	40-140				
4-Bromophenylphenylether	1.26	0.34	mg/Kg wet	1.67		75.7	40-140				
Butylbenzylphthalate	1.23	0.34	mg/Kg wet	1.67		73.5	40-140				
Carbazole	1.05	0.17	mg/Kg wet	1.67		62.7	40-140				
4-Chloroaniline	0.694	0.66	mg/Kg wet	1.67		41.7	40-140				†
4-Chloro-3-methylphenol	1.16	0.66	mg/Kg wet	1.67		69.7	30-130				
2-Chloronaphthalene	1.02	0.34	mg/Kg wet	1.67		61.2	40-140				
2-Chlorophenol	1.08	0.34	mg/Kg wet	1.67		64.8	30-130				
4-Chlorophenylphenylether	1.18	0.34	mg/Kg wet	1.67		70.8	40-140				
Chrysene	1.08	0.17	mg/Kg wet	1.67		64.8	40-140				
Dibenz(a,h)anthracene	1.13	0.17	mg/Kg wet	1.67		68.0	40-140				
Dibenzofuran	1.09	0.34	mg/Kg wet	1.67		65.4	40-140				
Di-n-butylphthalate	1.14	0.34	mg/Kg wet	1.67		68.3	40-140				
3,3-Dichlorobenzidine	1.04	0.17	mg/Kg wet	1.67		62.2	40-140				†
2,4-Dichlorophenol	1.17	0.34	mg/Kg wet	1.67		70.2	30-130				
Diethylphthalate	1.15	0.34	mg/Kg wet	1.67		69.1	40-140				
2,4-Dimethylphenol	1.12	0.34	mg/Kg wet	1.67		67.2	30-130				
Dimethylphthalate	1.15	0.34	mg/Kg wet	1.67		69.2	40-140				
4,6-Dinitro-2-methylphenol	0.926	0.34	mg/Kg wet	1.67		55.6	30-130				

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes	
Batch B185495 - SW-846 3546											
LCS (B185495-BS1)				Prepared: 09/05/17 Analyzed: 09/06/17							
2,4-Dinitrophenol	0.597	0.66	mg/Kg wet	1.67		35.8	30-130				
2,4-Dinitrotoluene	1.22	0.34	mg/Kg wet	1.67		72.9	40-140				
2,6-Dinitrotoluene	1.22	0.34	mg/Kg wet	1.67		73.0	40-140				
Di-n-octylphthalate	1.11	0.34	mg/Kg wet	1.67		66.5	40-140				
Fluoranthene	1.04	0.17	mg/Kg wet	1.67		62.3	40-140				
Fluorene	1.04	0.17	mg/Kg wet	1.67		62.3	40-140				
Hexachlorobenzene	1.32	0.34	mg/Kg wet	1.67		79.5	40-140				
Hexachlorobutadiene	1.18	0.34	mg/Kg wet	1.67		71.1	40-140				
Hexachlorocyclopentadiene	0.940	0.34	mg/Kg wet	1.67		56.4	30-140				
Hexachloroethane	1.02	0.34	mg/Kg wet	1.67		61.0	40-140				
Indeno(1,2,3-cd)pyrene	1.17	0.17	mg/Kg wet	1.67		69.9	40-140				
Isophorone	1.21	0.34	mg/Kg wet	1.67		72.6	40-140				
2-Methylnaphthalene	1.10	0.17	mg/Kg wet	1.67		65.9	40-140				
2-Methylphenol	1.01	0.34	mg/Kg wet	1.67		60.8	30-130				
3/4-Methylphenol	1.10	0.34	mg/Kg wet	1.67		65.7	30-130				
Naphthalene	1.02	0.17	mg/Kg wet	1.67		61.2	40-140				
2-Nitroaniline	1.20	0.34	mg/Kg wet	1.67		71.9	40-140				
3-Nitroaniline	0.969	0.34	mg/Kg wet	1.67		58.2	40-140				†
4-Nitroaniline	1.04	0.34	mg/Kg wet	1.67		62.6	40-140				
Nitrobenzene	1.21	0.34	mg/Kg wet	1.67		72.7	40-140				
2-Nitrophenol	1.08	0.34	mg/Kg wet	1.67		64.6	30-130				
4-Nitrophenol	1.44	0.66	mg/Kg wet	1.67		86.2	10-130				
N-Nitrosodiphenylamine	1.39	0.34	mg/Kg wet	1.67		83.6	40-140				
N-Nitrosodi-n-propylamine	1.13	0.34	mg/Kg wet	1.67		67.9	40-140				
Pentachloronitrobenzene	1.32	0.34	mg/Kg wet	1.67		79.3	40-140			V-16	
Pentachlorophenol	0.930	0.34	mg/Kg wet	1.67		55.8	30-130				
Phenanthrene	1.08	0.17	mg/Kg wet	1.67		64.8	40-140				
Phenol	1.14	0.34	mg/Kg wet	1.67		68.4	20-130				
Pyrene	1.15	0.17	mg/Kg wet	1.67		68.7	40-140				
Pyridine	0.669	0.34	mg/Kg wet	1.67		40.2	10-140				†
1,2,4,5-Tetrachlorobenzene	1.12	0.34	mg/Kg wet	1.67		67.0	40-140				
1,2,4-Trichlorobenzene	1.16	0.34	mg/Kg wet	1.67		69.4	40-140				
2,4,5-Trichlorophenol	1.12	0.34	mg/Kg wet	1.67		67.4	30-130				
2,4,6-Trichlorophenol	1.15	0.34	mg/Kg wet	1.67		69.0	30-130				
Surrogate: 2-Fluorophenol	*4.68*		mg/Kg wet	6.67		70.2	30-130				
Surrogate: Phenol-d6	*4.81*		mg/Kg wet	6.67		72.2	30-130				
Surrogate: Nitrobenzene-d5	*2.43*		mg/Kg wet	3.33		72.9	30-130				
Surrogate: 2-Fluorobiphenyl	*2.43*		mg/Kg wet	3.33		72.8	30-130				
Surrogate: 2,4,6-Tribromophenol	*6.33*		mg/Kg wet	6.67		94.9	30-130				
Surrogate: p-Terphenyl-d14	*2.81*		mg/Kg wet	3.33		84.4	30-130				
LCS Dup (B185495-BSD1)				Prepared: 09/05/17 Analyzed: 09/06/17							
Acenaphthene	0.972	0.17	mg/Kg wet	1.67		58.3	40-140	2.27	30		
Acenaphthylene	0.938	0.17	mg/Kg wet	1.67		56.3	40-140	3.52	30		
Aniline	0.734	0.34	mg/Kg wet	1.67		44.0	40-140	5.91	50		† ‡
Anthracene	1.02	0.17	mg/Kg wet	1.67		61.5	40-140	2.92	30		
Benzo(a)anthracene	1.08	0.17	mg/Kg wet	1.67		64.5	40-140	4.96	30		
Benzo(a)pyrene	1.06	0.17	mg/Kg wet	1.67		63.7	40-140	5.65	30		
Benzo(b)fluoranthene	1.02	0.17	mg/Kg wet	1.67		61.2	40-140	5.29	30		
Benzo(g,h,i)perylene	1.09	0.17	mg/Kg wet	1.67		65.6	40-140	6.52	30		
Benzo(k)fluoranthene	1.04	0.17	mg/Kg wet	1.67		62.6	40-140	4.77	30		
Bis(2-chloroethoxy)methane	1.17	0.34	mg/Kg wet	1.67		70.1	40-140	3.81	30		

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B185495 - SW-846 3546										
LCS Dup (B185495-BSD1)				Prepared: 09/05/17 Analyzed: 09/06/17						
Bis(2-chloroethyl)ether	1.07	0.34	mg/Kg wet	1.67		64.3	40-140	1.76	30	
Bis(2-chloroisopropyl)ether	1.12	0.34	mg/Kg wet	1.67		67.1	40-140	4.58	30	
Bis(2-Ethylhexyl)phthalate	1.13	0.34	mg/Kg wet	1.67		67.7	40-140	4.25	30	
4-Bromophenylphenylether	1.22	0.34	mg/Kg wet	1.67		73.3	40-140	3.22	30	
Butylbenzylphthalate	1.15	0.34	mg/Kg wet	1.67		69.0	40-140	6.31	30	
Carbazole	0.997	0.17	mg/Kg wet	1.67		59.8	40-140	4.77	30	
4-Chloroaniline	0.693	0.66	mg/Kg wet	1.67		41.6	40-140	0.240	30	†
4-Chloro-3-methylphenol	1.10	0.66	mg/Kg wet	1.67		66.0	30-130	5.51	30	
2-Chloronaphthalene	0.996	0.34	mg/Kg wet	1.67		59.8	40-140	2.35	30	
2-Chlorophenol	1.03	0.34	mg/Kg wet	1.67		61.6	30-130	5.06	30	
4-Chlorophenylphenylether	1.12	0.34	mg/Kg wet	1.67		67.0	40-140	5.52	30	
Chrysene	1.02	0.17	mg/Kg wet	1.67		61.5	40-140	5.32	30	
Dibenz(a,h)anthracene	1.08	0.17	mg/Kg wet	1.67		65.0	40-140	4.48	30	
Dibenzofuran	1.06	0.34	mg/Kg wet	1.67		63.6	40-140	2.76	30	
Di-n-butylphthalate	1.09	0.34	mg/Kg wet	1.67		65.2	40-140	4.73	30	
3,3-Dichlorobenzidine	1.03	0.17	mg/Kg wet	1.67		61.7	40-140	0.775	30	† ‡
2,4-Dichlorophenol	1.13	0.34	mg/Kg wet	1.67		67.6	30-130	3.78	30	
Diethylphthalate	1.11	0.34	mg/Kg wet	1.67		66.5	40-140	3.86	30	
2,4-Dimethylphenol	1.07	0.34	mg/Kg wet	1.67		64.2	30-130	4.56	30	
Dimethylphthalate	1.12	0.34	mg/Kg wet	1.67		67.0	40-140	3.26	50	
4,6-Dinitro-2-methylphenol	0.902	0.34	mg/Kg wet	1.67		54.1	30-130	2.70	50	
2,4-Dinitrophenol	0.607	0.66	mg/Kg wet	1.67		36.4	30-130	1.66	50	
2,4-Dinitrotoluene	1.17	0.34	mg/Kg wet	1.67		70.2	40-140	3.77	30	
2,6-Dinitrotoluene	1.18	0.34	mg/Kg wet	1.67		70.7	40-140	3.20	30	
Di-n-octylphthalate	1.06	0.34	mg/Kg wet	1.67		63.6	40-140	4.43	30	
Fluoranthene	1.01	0.17	mg/Kg wet	1.67		60.4	40-140	3.16	30	
Fluorene	0.990	0.17	mg/Kg wet	1.67		59.4	40-140	4.70	30	
Hexachlorobenzene	1.31	0.34	mg/Kg wet	1.67		78.7	40-140	0.986	30	
Hexachlorobutadiene	1.16	0.34	mg/Kg wet	1.67		69.7	40-140	1.99	30	
Hexachlorocyclopentadiene	0.928	0.34	mg/Kg wet	1.67		55.7	30-140	1.29	50	
Hexachloroethane	1.01	0.34	mg/Kg wet	1.67		60.7	40-140	0.460	50	
Indeno(1,2,3-cd)pyrene	1.12	0.17	mg/Kg wet	1.67		67.4	40-140	3.70	50	
Isophorone	1.16	0.34	mg/Kg wet	1.67		69.4	40-140	4.45	30	
2-Methylnaphthalene	1.06	0.17	mg/Kg wet	1.67		63.9	40-140	3.17	30	
2-Methylphenol	0.976	0.34	mg/Kg wet	1.67		58.6	30-130	3.72	30	
3/4-Methylphenol	1.04	0.34	mg/Kg wet	1.67		62.2	30-130	5.57	30	
Naphthalene	0.977	0.17	mg/Kg wet	1.67		58.6	40-140	4.28	30	
2-Nitroaniline	1.18	0.34	mg/Kg wet	1.67		71.0	40-140	1.26	30	
3-Nitroaniline	0.932	0.34	mg/Kg wet	1.67		55.9	40-140	3.89	30	†
4-Nitroaniline	1.04	0.34	mg/Kg wet	1.67		62.2	40-140	0.641	30	
Nitrobenzene	1.15	0.34	mg/Kg wet	1.67		69.0	40-140	5.28	30	
2-Nitrophenol	1.07	0.34	mg/Kg wet	1.67		64.0	30-130	0.809	30	
4-Nitrophenol	1.42	0.66	mg/Kg wet	1.67		85.5	10-130	0.769	50	‡
N-Nitrosodiphenylamine	1.32	0.34	mg/Kg wet	1.67		79.2	40-140	5.43	30	
N-Nitrosodi-n-propylamine	1.10	0.34	mg/Kg wet	1.67		65.9	40-140	3.05	30	
Pentachloronitrobenzene	1.30	0.34	mg/Kg wet	1.67		78.1	40-140	1.55	30	V-16
Pentachlorophenol	0.905	0.34	mg/Kg wet	1.67		54.3	30-130	2.76	50	
Phenanthrene	1.05	0.17	mg/Kg wet	1.67		62.7	40-140	3.26	30	
Phenol	1.08	0.34	mg/Kg wet	1.67		64.6	20-130	5.71	30	
Pyrene	1.08	0.17	mg/Kg wet	1.67		65.0	40-140	5.53	30	
Pyridine	0.631	0.34	mg/Kg wet	1.67		37.8	10-140	5.95	50	†
1,2,4,5-Tetrachlorobenzene	1.07	0.34	mg/Kg wet	1.67		64.5	40-140	3.80	30	

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes
Batch B185495 - SW-846 3546											
LCS Dup (B185495-BSD1)				Prepared: 09/05/17 Analyzed: 09/06/17							
1,2,4-Trichlorobenzene	1.12	0.34	mg/Kg wet	1.67		67.1		40-140	3.37	30	
2,4,5-Trichlorophenol	1.10	0.34	mg/Kg wet	1.67		66.3		30-130	1.68	30	
2,4,6-Trichlorophenol	1.12	0.34	mg/Kg wet	1.67		67.2		30-130	2.55	50	
Surrogate: 2-Fluorophenol	*4.53*		mg/Kg wet	6.67		68.0		30-130			
Surrogate: Phenol-d6	*4.56*		mg/Kg wet	6.67		68.5		30-130			
Surrogate: Nitrobenzene-d5	*2.32*		mg/Kg wet	3.33		69.6		30-130			
Surrogate: 2-Fluorobiphenyl	*2.36*		mg/Kg wet	3.33		70.7		30-130			
Surrogate: 2,4,6-Tribromophenol	*6.14*		mg/Kg wet	6.67		92.0		30-130			
Surrogate: p-Terphenyl-d14	*2.62*		mg/Kg wet	3.33		78.6		30-130			
Matrix Spike (B185495-MS1)		**Source: 17H1544-05**		Prepared: 09/05/17 Analyzed: 09/07/17							
Acenaphthene	1.16	0.75	mg/Kg dry	1.83	0.285	47.6		40-140			R-06
Acenaphthylene	0.956	0.75	mg/Kg dry	1.83	ND	52.2		40-140			
Aniline	0.533	1.5	mg/Kg dry	1.83	ND	**29.1**	*	40-140			MS-09
Anthracene	1.80	0.75	mg/Kg dry	1.83	0.945	46.9		40-140			R-06
Benzo(a)anthracene	9.37	0.75	mg/Kg dry	1.83	10.3	**-50.2**	*	40-140			MS-09, R-06
Benzo(a)pyrene	7.57	0.75	mg/Kg dry	1.83	8.83	**-68.8**	*	40-140			MS-08, R-06
Benzo(b)fluoranthene	10.6	0.75	mg/Kg dry	1.83	12.7	**-116**	*	40-140			MS-08, R-06
Benzo(g,h,i)perylene	3.79	0.75	mg/Kg dry	1.83	5.30	**-82.4**	*	40-140			MS-09
Benzo(k)fluoranthene	4.50	0.75	mg/Kg dry	1.83	4.86	**-19.7**	*	40-140			MS-08, R-06
Bis(2-chloroethoxy)methane	1.05	1.5	mg/Kg dry	1.83	ND	57.3		40-140			
Bis(2-chloroethyl)ether	0.992	1.5	mg/Kg dry	1.83	ND	54.2		40-140			
Bis(2-chloroisopropyl)ether	1.07	1.5	mg/Kg dry	1.83	ND	58.6		40-140			
Bis(2-Ethylhexyl)phthalate	1.60	1.5	mg/Kg dry	1.83	ND	87.7		40-140			
4-Bromophenylphenylether	1.06	1.5	mg/Kg dry	1.83	ND	58.1		40-140			
Butylbenzylphthalate	1.23	1.5	mg/Kg dry	1.83	ND	67.4		40-140			
Carbazole	1.89	0.75	mg/Kg dry	1.83	0.767	61.2		40-140			R-06
4-Chloroaniline	0.741	2.9	mg/Kg dry	1.83	ND	40.5		40-140			
4-Chloro-3-methylphenol	1.06	2.9	mg/Kg dry	1.83	ND	58.1		30-130			
2-Chloronaphthalene	0.944	1.5	mg/Kg dry	1.83	ND	51.6		40-140			
2-Chlorophenol	0.972	1.5	mg/Kg dry	1.83	ND	53.1		30-130			
4-Chlorophenylphenylether	1.02	1.5	mg/Kg dry	1.83	ND	55.8		40-140			
Chrysene	10.2	0.75	mg/Kg dry	1.83	10.9	**-41.0**	*	40-140			MS-09, R-06
Dibenz(a,h)anthracene	1.51	0.75	mg/Kg dry	1.83	1.38	**7.28**	*	40-140			MS-09
Dibenzofuran	1.13	1.5	mg/Kg dry	1.83	ND	61.8		40-140			
Di-n-butylphthalate	1.07	1.5	mg/Kg dry	1.83	ND	58.2		40-140			
3,3-Dichlorobenzidine	0.899	0.75	mg/Kg dry	1.83	ND	49.1		40-140			
2,4-Dichlorophenol	0.986	1.5	mg/Kg dry	1.83	ND	53.9		30-130			
Diethylphthalate	1.04	1.5	mg/Kg dry	1.83	ND	56.7		40-140			
2,4-Dimethylphenol	0.869	1.5	mg/Kg dry	1.83	ND	47.5		30-130			
Dimethylphthalate	1.02	1.5	mg/Kg dry	1.83	ND	55.9		40-140			
4,6-Dinitro-2-methylphenol	0.752	1.5	mg/Kg dry	1.83	ND	41.1		30-130			
2,4-Dinitrophenol	0.844	2.9	mg/Kg dry	1.83	ND	46.2		30-130			
2,4-Dinitrotoluene	0.885	1.5	mg/Kg dry	1.83	ND	48.4		40-140			
2,6-Dinitrotoluene	0.932	1.5	mg/Kg dry	1.83	ND	51.0		40-140			
Di-n-octylphthalate	1.07	1.5	mg/Kg dry	1.83	ND	58.4		40-140			
Fluoranthene	21.7	0.75	mg/Kg dry	1.83	24.1	**-132**	*	40-140			MS-09, R-06
Fluorene	1.14	0.75	mg/Kg dry	1.83	ND	62.5		40-140			
Hexachlorobenzene	1.09	1.5	mg/Kg dry	1.83	ND	59.4		40-140			
Hexachlorobutadiene	1.09	1.5	mg/Kg dry	1.83	ND	59.8		40-140			
Hexachlorocyclopentadiene	ND	1.5	mg/Kg dry	1.83	ND		*	40-140			MS-09
Hexachloroethane	0.719	1.5	mg/Kg dry	1.83	ND	**39.3**	*	40-140			MS-09

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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 B185495 - SW-846 3546												
Matrix Spike (B185495-MS1)		**Source: 17H1544-05**		Prepared: 09/05/17 Analyzed: 09/07/17								
Indeno(1,2,3-cd)pyrene	4.23	0.75	mg/Kg dry	1.83	5.57	**-73.0**	*	40-140				MS-09, R-06
Isophorone	1.07	1.5	mg/Kg dry	1.83	ND	58.7		40-140				
2-Methylnaphthalene	1.06	0.75	mg/Kg dry	1.83	ND	57.8		40-140				
2-Methylphenol	0.880	1.5	mg/Kg dry	1.83	ND	48.1		30-130				
3/4-Methylphenol	0.967	1.5	mg/Kg dry	1.83	ND	52.9		30-130				
Naphthalene	1.01	0.75	mg/Kg dry	1.83	ND	55.3		40-140				
2-Nitroaniline	1.19	1.5	mg/Kg dry	1.83	ND	65.0		40-140				
3-Nitroaniline	1.06	1.5	mg/Kg dry	1.83	ND	57.8		40-140				
4-Nitroaniline	1.10	1.5	mg/Kg dry	1.83	ND	59.9		40-140				
Nitrobenzene	1.09	1.5	mg/Kg dry	1.83	ND	59.5		40-140				
2-Nitrophenol	0.722	1.5	mg/Kg dry	1.83	ND	39.4		30-130				
4-Nitrophenol	1.23	2.9	mg/Kg dry	1.83	ND	67.1		30-130				
N-Nitrosodiphenylamine	1.23	1.5	mg/Kg dry	1.83	ND	67.0		40-140				
N-Nitrosodi-n-propylamine	1.05	1.5	mg/Kg dry	1.83	ND	57.1		40-140				
Pentachloronitrobenzene	0.998	1.5	mg/Kg dry	1.83	ND	54.6		40-140				V-16
Pentachlorophenol	0.574	1.5	mg/Kg dry	1.83	ND	31.4		30-130				
Phenanthrene	8.64	0.75	mg/Kg dry	1.83	6.77	102		40-140				R-06
Phenol	0.985	1.5	mg/Kg dry	1.83	ND	53.8		30-130				
Pyrene	22.2	0.75	mg/Kg dry	1.83	21.8	**23.4**	*	40-140				MS-09, R-06
Pyridine	0.553	1.5	mg/Kg dry	1.83	ND	**30.2**	*	40-140				MS-09
1,2,4,5-Tetrachlorobenzene	0.913	1.5	mg/Kg dry	1.83	ND	49.9		40-140				
1,2,4-Trichlorobenzene	1.03	1.5	mg/Kg dry	1.83	ND	56.2		40-140				
2,4,5-Trichlorophenol	0.957	1.5	mg/Kg dry	1.83	ND	52.3		30-130				
2,4,6-Trichlorophenol	0.997	1.5	mg/Kg dry	1.83	ND	54.5		30-130				
Surrogate: 2-Fluorophenol	*3.86*		mg/Kg dry	7.32		52.8		30-130				
Surrogate: Phenol-d6	*3.98*		mg/Kg dry	7.32		54.4		30-130				
Surrogate: Nitrobenzene-d5	*2.18*		mg/Kg dry	3.66		59.6		30-130				
Surrogate: 2-Fluorobiphenyl	*2.00*		mg/Kg dry	3.66		54.8		30-130				
Surrogate: 2,4,6-Tribromophenol	*4.66*		mg/Kg dry	7.32		63.6		30-130				
Surrogate: p-Terphenyl-d14	*2.64*		mg/Kg dry	3.66		72.1		30-130				
Matrix Spike Dup (B185495-MSD1)		**Source: 17H1544-05**		Prepared: 09/05/17 Analyzed: 09/07/17								
Acenaphthene	1.76	0.75	mg/Kg dry	1.83	0.285	80.7		40-140	**41.5**	*	30	R-06
Acenaphthylene	0.981	0.75	mg/Kg dry	1.83	ND	53.6		40-140	2.57		30	
Aniline	0.534	1.5	mg/Kg dry	1.83	ND	**29.2**	*	40-140	0.274		30	MS-09
Anthracene	3.23	0.75	mg/Kg dry	1.83	0.945	125		40-140	**56.6**	*	30	R-06
Benzo(a)anthracene	14.2	0.75	mg/Kg dry	1.83	10.3	**212**	*	40-140	**40.7**	*	30	MS-09, R-06
Benzo(a)pyrene	10.7	0.75	mg/Kg dry	1.83	8.83	104		40-140	**34.6**	*	30	R-06
Benzo(b)fluoranthene	15.0	0.75	mg/Kg dry	1.83	12.7	122		40-140	**34.2**	*	30	R-06
Benzo(g,h,i)perylene	5.02	0.75	mg/Kg dry	1.83	5.30	**-15.4**	*	40-140	27.8		30	MS-09
Benzo(k)fluoranthene	6.29	0.75	mg/Kg dry	1.83	4.86	77.8		40-140	**33.1**	*	30	R-06
Bis(2-chloroethoxy)methane	1.08	1.5	mg/Kg dry	1.83	ND	59.3		40-140	3.43		30	
Bis(2-chloroethyl)ether	1.02	1.5	mg/Kg dry	1.83	ND	55.7		40-140	2.62		30	
Bis(2-chloroisopropyl)ether	1.06	1.5	mg/Kg dry	1.83	ND	58.0		40-140	0.961		30	
Bis(2-Ethylhexyl)phthalate	1.60	1.5	mg/Kg dry	1.83	ND	87.6		40-140	0.0913		30	
4-Bromophenylphenylether	1.01	1.5	mg/Kg dry	1.83	ND	55.0		40-140	5.52		30	
Butylbenzylphthalate	1.26	1.5	mg/Kg dry	1.83	ND	68.8		40-140	2.12		30	
Carbazole	2.85	0.75	mg/Kg dry	1.83	0.767	114		40-140	**40.8**	*	30	R-06
4-Chloroaniline	0.751	2.9	mg/Kg dry	1.83	ND	41.0		40-140	1.37		30	
4-Chloro-3-methylphenol	1.05	2.9	mg/Kg dry	1.83	ND	57.4		30-130	1.25		30	
2-Chloronaphthalene	0.926	1.5	mg/Kg dry	1.83	ND	50.6		40-140	1.88		30	
2-Chlorophenol	0.924	1.5	mg/Kg dry	1.83	ND	50.5		30-130	5.10		30	

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD		RPD Limit	Notes
Batch B185495 - SW-846 3546												
Matrix Spike Dup (B185495-MSD1)		**Source: 17H1544-05**		Prepared: 09/05/17 Analyzed: 09/07/17								
4-Chlorophenylphenylether	0.975	1.5	mg/Kg dry	1.83	ND	53.3		40-140	4.69		30	
Chrysene	15.1	0.75	mg/Kg dry	1.83	10.9	**229**	*	40-140	**39.0**	*	30	MS-09, R-06
Dibenz(a,h)anthracene	1.87	0.75	mg/Kg dry	1.83	1.38	**26.6**	*	40-140	21.0		30	MS-09
Dibenzofuran	1.45	1.5	mg/Kg dry	1.83	ND	79.1		40-140	24.6		30	
Di-n-butylphthalate	1.03	1.5	mg/Kg dry	1.83	ND	56.3		40-140	3.35		30	
3,3-Dichlorobenzidine	0.821	0.75	mg/Kg dry	1.83	ND	44.9		40-140	9.02		30	
2,4-Dichlorophenol	1.03	1.5	mg/Kg dry	1.83	ND	56.2		30-130	4.07		30	
Diethylphthalate	1.03	1.5	mg/Kg dry	1.83	ND	56.1		40-140	1.13		30	
2,4-Dimethylphenol	0.844	1.5	mg/Kg dry	1.83	ND	46.2		30-130	2.90		30	
Dimethylphthalate	1.01	1.5	mg/Kg dry	1.83	ND	55.4		40-140	1.01		30	
4,6-Dinitro-2-methylphenol	0.749	1.5	mg/Kg dry	1.83	ND	41.0		30-130			30	
2,4-Dinitrophenol	0.840	2.9	mg/Kg dry	1.83	ND	45.9		30-130			30	
2,4-Dinitrotoluene	0.881	1.5	mg/Kg dry	1.83	ND	48.2		40-140	0.497		30	
2,6-Dinitrotoluene	0.921	1.5	mg/Kg dry	1.83	ND	50.3		40-140	1.26		30	
Di-n-octylphthalate	1.06	1.5	mg/Kg dry	1.83	ND	58.1		40-140	0.549		30	
Fluoranthene	39.0	0.75	mg/Kg dry	1.83	24.1	**810**	*	40-140	**56.8**	*	30	MS-09, R-06
Fluorene	1.53	0.75	mg/Kg dry	1.83	ND	83.7		40-140	29.0		30	
Hexachlorobenzene	1.09	1.5	mg/Kg dry	1.83	ND	59.6		40-140	0.269		30	
Hexachlorobutadiene	1.03	1.5	mg/Kg dry	1.83	ND	56.6		40-140	5.64		30	
Hexachlorocyclopentadiene	ND	1.5	mg/Kg dry	1.83	ND		*	40-140	NC		30	MS-09
Hexachloroethane	0.686	1.5	mg/Kg dry	1.83	ND	**37.5**	*	40-140	4.58		30	MS-09
Indeno(1,2,3-cd)pyrene	5.80	0.75	mg/Kg dry	1.83	5.57	**12.8**	*	40-140	**31.3**	*	30	MS-09, R-06
Isophorone	1.09	1.5	mg/Kg dry	1.83	ND	59.4		40-140	1.08		30	
2-Methylnaphthalene	1.07	0.75	mg/Kg dry	1.83	ND	58.4		40-140	1.10		30	
2-Methylphenol	0.846	1.5	mg/Kg dry	1.83	ND	46.2		30-130	3.90		30	
3/4-Methylphenol	0.943	1.5	mg/Kg dry	1.83	ND	51.5		30-130	2.61		30	
Naphthalene	1.07	0.75	mg/Kg dry	1.83	ND	58.6		40-140	5.90		30	
2-Nitroaniline	1.16	1.5	mg/Kg dry	1.83	ND	63.3		40-140	2.74		30	
3-Nitroaniline	1.03	1.5	mg/Kg dry	1.83	ND	56.4		40-140	2.52		30	
4-Nitroaniline	1.15	1.5	mg/Kg dry	1.83	ND	62.8		40-140	4.69		30	
Nitrobenzene	1.14	1.5	mg/Kg dry	1.83	ND	62.2		40-140	4.34		30	
2-Nitrophenol	0.667	1.5	mg/Kg dry	1.83	ND	36.5		30-130	7.80		30	
4-Nitrophenol	1.24	2.9	mg/Kg dry	1.83	ND	67.8		30-130	0.949		30	
N-Nitrosodiphenylamine	1.16	1.5	mg/Kg dry	1.83	ND	63.4		40-140	5.64		30	
N-Nitrosodi-n-propylamine	1.03	1.5	mg/Kg dry	1.83	ND	56.2		40-140	1.55		30	
Pentachloronitrobenzene	0.935	1.5	mg/Kg dry	1.83	ND	51.1		40-140	6.51		30	V-16
Pentachlorophenol	0.542	1.5	mg/Kg dry	1.83	ND	**29.6**	*	30-130	5.77		30	MS-08
Phenanthrene	20.0	0.75	mg/Kg dry	1.83	6.77	**721**	*	40-140	**79.2**	*	30	MS-08, R-06
Phenol	0.922	1.5	mg/Kg dry	1.83	ND	50.4		30-130	6.60		30	
Pyrene	37.9	0.75	mg/Kg dry	1.83	21.8	**879**	*	40-140	**52.2**	*	30	MS-09, R-06
Pyridine	0.634	1.5	mg/Kg dry	1.83	ND	**34.6**	*	40-140	13.6		30	MS-09
1,2,4,5-Tetrachlorobenzene	0.925	1.5	mg/Kg dry	1.83	ND	50.6		40-140	1.27		30	
1,2,4-Trichlorobenzene	1.01	1.5	mg/Kg dry	1.83	ND	55.0		40-140	2.30		30	
2,4,5-Trichlorophenol	0.907	1.5	mg/Kg dry	1.83	ND	49.6		30-130	5.34		30	
2,4,6-Trichlorophenol	0.899	1.5	mg/Kg dry	1.83	ND	49.1		30-130	10.3		30	
Surrogate: 2-Fluorophenol	*3.82*		mg/Kg dry	7.32		52.2		30-130				
Surrogate: Phenol-d6	*4.00*		mg/Kg dry	7.32		54.6		30-130				
Surrogate: Nitrobenzene-d5	*2.22*		mg/Kg dry	3.66		60.6		30-130				
Surrogate: 2-Fluorobiphenyl	*2.07*		mg/Kg dry	3.66		56.4		30-130				
Surrogate: 2,4,6-Tribromophenol	*4.67*		mg/Kg dry	7.32		63.8		30-130				
Surrogate: p-Terphenyl-d14	*2.67*		mg/Kg dry	3.66		73.1		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
Batch B185576 - SW-846 3540C										
Blank (B185576-BLK1)				Prepared: 09/06/17 Analyzed: 09/09/17						
Aroclor-1016	ND	0.020	mg/Kg wet							
Aroclor-1016 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1221	ND	0.020	mg/Kg wet							
Aroclor-1221 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1232	ND	0.020	mg/Kg wet							
Aroclor-1232 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1242	ND	0.020	mg/Kg wet							
Aroclor-1242 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1248	ND	0.020	mg/Kg wet							
Aroclor-1248 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1254	ND	0.020	mg/Kg wet							
Aroclor-1254 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1260	ND	0.020	mg/Kg wet							
Aroclor-1260 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1262	ND	0.020	mg/Kg wet							
Aroclor-1262 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1268	ND	0.020	mg/Kg wet							
Aroclor-1268 [2C]	ND	0.020	mg/Kg wet							
Surrogate: Decachlorobiphenyl	*0.214*		mg/Kg wet	0.200		107	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.206*		mg/Kg wet	0.200		103	30-150			
Surrogate: Tetrachloro-m-xylene	*0.209*		mg/Kg wet	0.200		104	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.209*		mg/Kg wet	0.200		105	30-150			
LCS (B185576-BS1)				Prepared: 09/06/17 Analyzed: 09/09/17						
Aroclor-1016	0.20	0.020	mg/Kg wet	0.200		101	40-140			
Aroclor-1016 [2C]	0.19	0.020	mg/Kg wet	0.200		95.4	40-140			
Aroclor-1260	0.18	0.020	mg/Kg wet	0.200		88.1	40-140			
Aroclor-1260 [2C]	0.16	0.020	mg/Kg wet	0.200		81.3	40-140			
Surrogate: Decachlorobiphenyl	*0.209*		mg/Kg wet	0.200		105	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.204*		mg/Kg wet	0.200		102	30-150			
Surrogate: Tetrachloro-m-xylene	*0.206*		mg/Kg wet	0.200		103	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.206*		mg/Kg wet	0.200		103	30-150			
LCS Dup (B185576-BSD1)				Prepared: 09/06/17 Analyzed: 09/09/17						
Aroclor-1016	0.19	0.020	mg/Kg wet	0.200		95.0	40-140	6.46	30	
Aroclor-1016 [2C]	0.18	0.020	mg/Kg wet	0.200		90.1	40-140	5.67	30	
Aroclor-1260	0.16	0.020	mg/Kg wet	0.200		79.8	40-140	9.91	30	
Aroclor-1260 [2C]	0.15	0.020	mg/Kg wet	0.200		73.5	40-140	10.0	30	
Surrogate: Decachlorobiphenyl	*0.179*		mg/Kg wet	0.200		89.3	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.175*		mg/Kg wet	0.200		87.4	30-150			
Surrogate: Tetrachloro-m-xylene	*0.193*		mg/Kg wet	0.200		96.7	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.196*		mg/Kg wet	0.200		98.2	30-150			

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QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes
Batch B185576 - SW-846 3540C											
Matrix Spike (B185576-MS1)		**Source: 17H1544-01**		Prepared: 09/06/17 Analyzed: 09/10/17							
Aroclor-1016	0.32	0.46	mg/Kg dry	0.228	ND	139		40-140			
Aroclor-1016 [2C]	0.32	0.46	mg/Kg dry	0.228	ND	140		40-140			
Aroclor-1260	1.8	0.46	mg/Kg dry	0.228	1.7	46.8		40-140			MS-19
Aroclor-1260 [2C]	1.8	0.46	mg/Kg dry	0.228	1.7	41.5		40-140			MS-19
Surrogate: Decachlorobiphenyl	*0.183*		mg/Kg dry	0.228		80.4		30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.210*		mg/Kg dry	0.228		92.3		30-150			
Surrogate: Tetrachloro-m-xylene	*0.210*		mg/Kg dry	0.228		92.2		30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.232*		mg/Kg dry	0.228		102		30-150			
Matrix Spike Dup (B185576-MSD1)		**Source: 17H1544-01**		Prepared: 09/06/17 Analyzed: 09/10/17							
Aroclor-1016	0.27	0.45	mg/Kg dry	0.226	ND	118		40-140	17.6	50	
Aroclor-1016 [2C]	0.30	0.45	mg/Kg dry	0.226	ND	132		40-140	6.89	50	
Aroclor-1260	1.4	0.45	mg/Kg dry	0.226	1.7	**-158**	*	40-140	28.9	50	MS-19
Aroclor-1260 [2C]	1.4	0.45	mg/Kg dry	0.226	1.7	**-154**	*	40-140	28.0	50	MS-19
Surrogate: Decachlorobiphenyl	*0.179*		mg/Kg dry	0.226		79.2		30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.223*		mg/Kg dry	0.226		98.7		30-150			
Surrogate: Tetrachloro-m-xylene	*0.195*		mg/Kg dry	0.226		86.4		30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.216*		mg/Kg dry	0.226		96.0		30-150			
Batch B185577 - SW-846 3540C											
Blank (B185577-BLK1)				Prepared: 09/06/17 Analyzed: 09/09/17							
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]	*1.12*		mg/Kg	1.00		112		30-150			
Surrogate: Tetrachloro-m-xylene	*0.888*		mg/Kg	1.00		88.8		30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.941*		mg/Kg	1.00		94.1		30-150			

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QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B185577 - SW-846 3540C										
LCS (B185577-BS1)				Prepared: 09/06/17 Analyzed: 09/09/17						
Aroclor-1016	0.97	0.10	mg/Kg	1.00		96.5	40-140			
Aroclor-1016 [2C]	1.0	0.10	mg/Kg	1.00		104	40-140			
Aroclor-1260	0.92	0.10	mg/Kg	1.00		92.2	40-140			
Aroclor-1260 [2C]	1.0	0.10	mg/Kg	1.00		99.8	40-140			
Surrogate: Decachlorobiphenyl	*1.08*		mg/Kg	1.00		108	30-150			
Surrogate: Decachlorobiphenyl [2C]	*1.22*		mg/Kg	1.00		122	30-150			
Surrogate: Tetrachloro-m-xylene	*0.957*		mg/Kg	1.00		95.7	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.01*		mg/Kg	1.00		101	30-150			
LCS Dup (B185577-BSD1)				Prepared: 09/06/17 Analyzed: 09/09/17						
Aroclor-1016	0.92	0.10	mg/Kg	1.00		92.4	40-140	4.34	30	
Aroclor-1016 [2C]	1.0	0.10	mg/Kg	1.00		102	40-140	1.96	30	
Aroclor-1260	0.91	0.10	mg/Kg	1.00		90.7	40-140	1.61	30	
Aroclor-1260 [2C]	0.99	0.10	mg/Kg	1.00		98.8	40-140	1.02	30	
Surrogate: Decachlorobiphenyl	*1.07*		mg/Kg	1.00		107	30-150			
Surrogate: Decachlorobiphenyl [2C]	*1.20*		mg/Kg	1.00		120	30-150			
Surrogate: Tetrachloro-m-xylene	*0.929*		mg/Kg	1.00		92.9	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.987*		mg/Kg	1.00		98.7	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 B185490 - SW-846 3546										
Blank (B185490-BLK1)				Prepared: 09/05/17 Analyzed: 09/07/17						
CT ETPH	ND	10	mg/Kg wet							
Surrogate: o-Terphenyl	*3.17*		mg/Kg wet	3.33		95.2	50-150			
LCS (B185490-BS1)				Prepared: 09/05/17 Analyzed: 09/07/17						
CT ETPH	23.1	10	mg/Kg wet	33.3		69.3	60-120			
Surrogate: o-Terphenyl	*3.34*		mg/Kg wet	3.33		100	50-150			
LCS Dup (B185490-BSD1)				Prepared: 09/05/17 Analyzed: 09/07/17						
CT ETPH	23.0	10	mg/Kg wet	33.3		69.1	60-120	0.254	30	
Surrogate: o-Terphenyl	*3.11*		mg/Kg wet	3.33		93.2	50-150			

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QUALITY CONTROL

Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B185230 - SW-846 7471										
Blank (B185230-BLK1)				Prepared: 08/30/17 Analyzed: 09/05/17						
Mercury	ND	0.025	mg/Kg wet							
LCS (B185230-BS1)				Prepared: 08/30/17 Analyzed: 09/05/17						
Mercury	9.79	2.0	mg/Kg wet	9.36		105	73.7-126.3			
LCS Dup (B185230-BSD1)				Prepared: 08/30/17 Analyzed: 09/05/17						
Mercury	11.2	1.9	mg/Kg wet	9.36		119	73.7-126.3	13.2	30	
Duplicate (B185230-DUP1)		**Source: 17H1544-01**		Prepared: 08/30/17 Analyzed: 09/05/17						
Mercury	0.123	0.028	mg/Kg dry		0.119			3.15	35	
Matrix Spike (B185230-MS1)		**Source: 17H1544-01**		Prepared: 08/30/17 Analyzed: 09/05/17						
Mercury	0.312	0.028	mg/Kg dry	0.186	0.119	104	75-125			
Batch B185527 - SW-846 3050B										
Blank (B185527-BLK1)				Prepared: 09/05/17 Analyzed: 09/06/17						
Antimony	ND	2.5	mg/Kg wet							
Arsenic	ND	2.5	mg/Kg wet							
Barium	ND	2.5	mg/Kg wet							
Beryllium	ND	0.25	mg/Kg wet							
Cadmium	ND	0.25	mg/Kg wet							
Chromium	ND	0.50	mg/Kg wet							
Copper	ND	0.50	mg/Kg wet							
Lead	ND	0.75	mg/Kg wet							
Nickel	ND	0.50	mg/Kg wet							
Selenium	ND	5.0	mg/Kg wet							
Silver	ND	0.50	mg/Kg wet							
Thallium	ND	2.5	mg/Kg wet							
Vanadium	ND	1.0	mg/Kg wet							
Zinc	ND	1.0	mg/Kg wet							
LCS (B185527-BS1)				Prepared: 09/05/17 Analyzed: 09/06/17						
Antimony	64.8	4.8	mg/Kg wet	146		44.4	0-210.3			
Arsenic	144	4.8	mg/Kg wet	157		91.7	77.8-122.1			
Barium	312	4.8	mg/Kg wet	339		92.1	82-117.4			
Beryllium	54.0	0.48	mg/Kg wet	58.3		92.7	82.3-117.7			
Cadmium	193	0.48	mg/Kg wet	216		89.3	81.9-118.2			
Chromium	82.1	0.96	mg/Kg wet	88.9		92.3	78.7-120.6			
Copper	173	0.96	mg/Kg wet	184		94.2	80.4-119.6			
Lead	87.7	1.4	mg/Kg wet	94.3		93.0	82.4-117.8			
Nickel	143	0.96	mg/Kg wet	154		92.8	82.2-117.8			
Selenium	184	9.6	mg/Kg wet	207		89.1	77.1-122.3			
Silver	40.7	0.96	mg/Kg wet	43.8		92.9	74.3-125.4			
Thallium	144	4.8	mg/Kg wet	167		86.3	78.2-121.6			
Vanadium	82.7	1.9	mg/Kg wet	100		82.7	64.8-135.2			
Zinc	201	1.9	mg/Kg wet	209		96.0	79.7-120.8			

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QUALITY CONTROL

Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B185527 - SW-846 3050B										
LCS Dup (B185527-BSD1)				Prepared: 09/05/17 Analyzed: 09/06/17						
Antimony	64.4	5.0	mg/Kg wet	146		44.1	0-210.3	0.641	30	
Arsenic	139	5.0	mg/Kg wet	157		88.5	77.8-122.1	3.60	30	
Barium	304	5.0	mg/Kg wet	339		89.5	82-117.4	2.82	30	
Beryllium	53.2	0.50	mg/Kg wet	58.3		91.2	82.3-117.7	1.63	30	
Cadmium	189	0.50	mg/Kg wet	216		87.7	81.9-118.2	1.76	30	
Chromium	79.5	1.0	mg/Kg wet	88.9		89.5	78.7-120.6	3.14	30	
Copper	170	1.0	mg/Kg wet	184		92.6	80.4-119.6	1.71	30	
Lead	87.2	1.5	mg/Kg wet	94.3		92.4	82.4-117.8	0.599	30	
Nickel	139	1.0	mg/Kg wet	154		90.3	82.2-117.8	2.69	30	
Selenium	177	10	mg/Kg wet	207		85.3	77.1-122.3	4.30	30	
Silver	40.0	1.0	mg/Kg wet	43.8		91.4	74.3-125.4	1.69	30	
Thallium	141	5.0	mg/Kg wet	167		84.6	78.2-121.6	1.99	30	
Vanadium	81.7	2.0	mg/Kg wet	100		81.7	64.8-135.2	1.26	30	
Zinc	196	2.0	mg/Kg wet	209		93.8	79.7-120.8	2.31	30	
MRL Check (B185527-MRL1)				Prepared: 09/05/17 Analyzed: 09/06/17						
Lead	0.901	0.75	mg/Kg wet	0.750		120	80-120			

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QUALITY CONTROL

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B185325 - % Solids										
Duplicate (B185325-DUP3)		**Source: 17H1544-01**		Prepared: 08/31/17 Analyzed: 09/01/17						
% Solids	85.1		% Wt		87.8			3.12	20	
Duplicate (B185325-DUP4)		**Source: 17H1544-02**		Prepared: 08/31/17 Analyzed: 09/01/17						
% Solids	59.0		% Wt		60.2			2.01	20	

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC13-SE-26

Lab Sample ID: 17H1544-01 Date(s) Analyzed 09/09/2017 09/09/2017

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	-0.030	0.030	1.7	
	2	0.000	-0.030	0.030	1.7	0.0

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC13-SE-27

Lab Sample ID: 17H1544-02 Date(s) Analyzed 09/09/2017 09/09/2017

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	-0.030	0.030	5.0	
	2	0.000	-0.030	0.030	4.9	2.0

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC13-SE-28

Lab Sample ID: 17H1544-03 Date(s) Analyzed 09/09/2017 09/09/2017

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	-0.030	0.030	0.26	
	2	0.000	-0.030	0.030	0.26	0.0

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC13-SE-29

Lab Sample ID: 17H1544-04 Date(s) Analyzed 09/09/2017 09/09/2017

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	-0.030	0.030	0.40	
	2	0.000	-0.030	0.030	0.40	0.0
Aroclor-1268	1	0.000	-0.030	0.030	0.17	
	2	0.000	-0.030	0.030	0.13	26.7

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC13-SE-30

Lab Sample ID: 17H1544-05 Date(s) Analyzed 09/09/2017 09/09/2017

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	-0.030	0.030	0.46	
	2	0.000	-0.030	0.030	0.43	6.7

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC13-SE-31

Lab Sample ID: 17H1544-06 Date(s) Analyzed 09/10/2017 09/10/2017

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	-0.030	0.030	9.8	
	2	0.000	-0.030	0.030	9.2	6.3

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC3-SE-6

Lab Sample ID: 17H1544-07 Date(s) Analyzed 09/10/2017 09/10/2017

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	-0.030	0.030	7.5	
	2	0.000	-0.030	0.030	7.1	5.5

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC8-SE-16

Lab Sample ID: 17H1544-08

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

Instrument ID (1): ECD4

Instrument ID (2): ECD4

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	-0.030	0.030	2300	
	2	0.000	-0.030	0.030	2100	9.1

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC8-SE-17

Lab Sample ID: 17H1544-09

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

Instrument ID (1): ECD4

Instrument ID (2): ECD4

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	-0.030	0.030	14	
	2	0.000	-0.030	0.030	13	7.4

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

AS-AOC8-SE-18

Lab Sample ID: 17H1544-10 Date(s) Analyzed 09/10/2017 09/10/2017

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	-0.030	0.030	5.7	
	2	0.000	-0.030	0.030	5.5	3.6

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC8-SE-19

Lab Sample ID: 17H1544-11 Date(s) Analyzed 09/10/2017 09/10/2017

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	-0.030	0.030	1.5	
	2	0.000	-0.030	0.030	1.4	6.9

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC8-SE-24

Lab Sample ID: 17H1544-12 Date(s) Analyzed 09/10/2017 09/10/2017

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	-0.030	0.030	0.32	
	2	0.000	-0.030	0.030	0.32	0.0

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC13-CO-26

Lab Sample ID: 17H1544-13

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

Instrument ID (1): ECD5

Instrument ID (2): ECD5

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	0.000	0.000	0.96	
	2	0.000	0.000	0.000	1.1	13.6

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC13-CO-27

Lab Sample ID: 17H1544-14

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

Instrument ID (1): ECD5

Instrument ID (2): ECD5

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	0.000	0.000	0.85	
	2	0.000	0.000	0.000	0.93	9.0

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC13-CO-29

Lab Sample ID: 17H1544-15 Date(s) Analyzed 09/09/2017 09/09/2017

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	0.000	0.000	2.7	
	2	0.000	0.000	0.000	2.9	7.1

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC8-CO-16

Lab Sample ID: 17H1544-16 Date(s) Analyzed 09/09/2017 09/09/2017

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	0.000	0.000	1700	
	2	0.000	0.000	0.000	1800	5.7

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC8-CO-17

Lab Sample ID: 17H1544-17

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

Instrument ID (1): ECD5

Instrument ID (2): ECD5

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	0.000	0.000	1.9	
	2	0.000	0.000	0.000	1.7	11.1

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC8-CO-18

Lab Sample ID: 17H1544-18 Date(s) Analyzed 09/09/2017 09/09/2017

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	0.000	0.000	2.0	
	2	0.000	0.000	0.000	1.9	5.1

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC8-CO-19

Lab Sample ID: 17H1544-19 Date(s) Analyzed 09/09/2017 09/09/2017

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	0.000	0.000	0.74	
	2	0.000	0.000	0.000	0.79	6.5

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC13-SE-Dup1

Lab Sample ID: 17H1544-20 Date(s) Analyzed 09/10/2017 09/10/2017

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	-0.030	0.030	1.6	
	2	0.000	-0.030	0.030	1.5	6.5

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS

Lab Sample ID: B185576-BS1

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

Instrument ID (1): ECD4

Instrument ID (2): ECD4

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

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

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS Dup

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

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

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

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

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

Matrix Spike

Lab Sample ID: B185576-MS1 Date(s) Analyzed 09/10/2017 09/10/2017

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.32	
	2	0.000	-0.030	0.030	0.32	0.0
Aroclor-1260	1	0.000	-0.030	0.030	1.8	
	2	0.000	-0.030	0.030	1.8	0.0

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

Matrix Spike Dup

Lab Sample ID: B185576-MSD1 Date(s) Analyzed 09/10/2017 09/10/2017

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.27	
	2	0.000	-0.030	0.030	0.30	10.5
Aroclor-1260	1	0.000	-0.030	0.030	1.4	
	2	0.000	-0.030	0.030	1.4	0.0

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS

Lab Sample ID: B185577-BS1

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

Instrument ID (1): ECD5

Instrument ID (2): ECD5

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	0.000	0.000	0.97	
	2	0.000	0.000	0.000	1.0	3.1
Aroclor-1260	1	0.000	0.000	0.000	0.92	
	2	0.000	0.000	0.000	1.0	8.3

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS Dup

Lab Sample ID: B185577-BSD1 Date(s) Analyzed 09/09/2017 09/09/2017

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	0.000	0.000	0.92	
	2	0.000	0.000	0.000	1.0	8.3
Aroclor-1260	1	0.000	0.000	0.000	0.91	
	2	0.000	0.000	0.000	0.99	8.4

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit
DL	Method Detection Limit
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
DL-04	Elevated reporting limit due to high concentration of an interfering analyte(s).
E	Reported result is estimated. Value reported over verified calibration range.
L-01	Laboratory fortified blank /laboratory control sample recovery outside of control limits. Data validation is not affected since all results are "not detected" for all samples in this batch for this compound and bias is on the high side.
MS-08	Matrix spike 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-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-19	Sample to spike ratio is greater than or equal to 4:1. Spiked amount is not representative of the native amount in the sample. Appropriate or meaningful recoveries cannot be calculated.
R-06	Matrix spike duplicate RPD is outside of control limits. Reduced precision is anticipated for reported result for this compound in this sample.
RL-12	Elevated reporting limit due to matrix interference.
S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences.
V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.

con-test® ANALYTICAL LABORATORY

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
CTDEP ETPH in Soil	
CT ETPH	CT
SW-846 6010C-D in Soil	
Antimony	CT,NH,NY,ME,VA,NC
Arsenic	CT,NH,NY,ME,VA,NC
Barium	CT,NH,NY,ME,VA,NC
Beryllium	CT,NH,NY,ME,VA,NC
Cadmium	CT,NH,NY,ME,VA,NC
Chromium	CT,NH,NY,ME,VA,NC
Copper	CT,NH,NY,ME,VA,NC
Lead	CT,NH,NY,AIHA,ME,VA,NC
Nickel	CT,NH,NY,ME,VA,NC
Selenium	CT,NH,NY,ME,VA,NC
Silver	CT,NH,NY,ME,VA,NC
Thallium	CT,NH,NY,ME,VA,NC
Vanadium	CT,NH,NY,ME,VA,NC
Zinc	CT,NH,NY,ME,VA,NC
SW-846 7470A in Water	
Mercury	CT,NH,NY,NC,ME,VA
SW-846 7471B in Soil	
Mercury	CT,NH,NY,NC,ME,VA
SW-846 8082A in Product/Solid	
Aroclor-1016	CT,NH,NY,ME,NC,VA
Aroclor-1016 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1221	CT,NH,NY,ME,NC,VA
Aroclor-1221 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1232	CT,NH,NY,ME,NC,VA
Aroclor-1232 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1242	CT,NH,NY,ME,NC,VA
Aroclor-1242 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1248	CT,NH,NY,ME,NC,VA
Aroclor-1248 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1254	CT,NH,NY,ME,NC,VA
Aroclor-1254 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1260	CT,NH,NY,ME,NC,VA
Aroclor-1260 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1262	NY,NC,VA
Aroclor-1262 [2C]	NY,NC,VA
Aroclor-1268	NY,NC,VA
Aroclor-1268 [2C]	NY,NC,VA
SW-846 8082A in Soil	
Aroclor-1016	CT,NH,NY,ME,NC,VA
Aroclor-1016 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1221	CT,NH,NY,ME,NC,VA
Aroclor-1221 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1232	CT,NH,NY,ME,NC,VA

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8082A in Soil	
Aroclor-1232 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1242	CT,NH,NY,ME,NC,VA
Aroclor-1242 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1248	CT,NH,NY,ME,NC,VA
Aroclor-1248 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1254	CT,NH,NY,ME,NC,VA
Aroclor-1254 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1260	CT,NH,NY,ME,NC,VA
Aroclor-1260 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1262	NY,NC,VA
Aroclor-1262 [2C]	NY,NC,VA
Aroclor-1268	NY,NC,VA
Aroclor-1268 [2C]	NY,NC,VA
SW-846 8260C in Soil	
Acetone	CT,NH,NY,ME
Acetone	CT,NH,NY,ME
Acrylonitrile	CT,NH,NY,ME
Acrylonitrile	CT,NH,NY,ME
Benzene	CT,NH,NY,ME
Benzene	CT,NH,NY,ME
Bromobenzene	NH,NY,ME
Bromobenzene	NH,NY,ME
Bromodichloromethane	CT,NH,NY,ME
Bromodichloromethane	CT,NH,NY,ME
Bromoform	CT,NH,NY,ME
Bromoform	CT,NH,NY,ME
Bromomethane	CT,NH,NY,ME
Bromomethane	CT,NH,NY,ME
2-Butanone (MEK)	CT,NH,NY,ME
2-Butanone (MEK)	CT,NH,NY,ME
n-Butylbenzene	CT,NH,NY,ME
n-Butylbenzene	CT,NH,NY,ME
sec-Butylbenzene	CT,NH,NY,ME
sec-Butylbenzene	CT,NH,NY,ME
tert-Butylbenzene	CT,NH,NY,ME
tert-Butylbenzene	CT,NH,NY,ME
Carbon Disulfide	CT,NH,NY,ME
Carbon Disulfide	CT,NH,NY,ME
Carbon Tetrachloride	CT,NH,NY,ME
Carbon Tetrachloride	CT,NH,NY,ME
Chlorobenzene	CT,NH,NY,ME
Chlorobenzene	CT,NH,NY,ME
Chlorodibromomethane	CT,NH,NY,ME
Chlorodibromomethane	CT,NH,NY,ME
Chloroethane	CT,NH,NY,ME
Chloroethane	CT,NH,NY,ME

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8260C in Soil	
Chloroform	CT,NH,NY,ME
Chloroform	CT,NH,NY,ME
Chloromethane	CT,NH,NY,ME
Chloromethane	CT,NH,NY,ME
2-Chlorotoluene	CT,NH,NY,ME
2-Chlorotoluene	CT,NH,NY,ME
4-Chlorotoluene	CT,NH,NY,ME
4-Chlorotoluene	CT,NH,NY,ME
Dibromomethane	NH,NY,ME
Dibromomethane	NH,NY,ME
1,2-Dichlorobenzene	CT,NH,NY,ME
1,2-Dichlorobenzene	CT,NH,NY,ME
1,3-Dichlorobenzene	CT,NH,NY,ME
1,3-Dichlorobenzene	CT,NH,NY,ME
1,4-Dichlorobenzene	CT,NH,NY,ME
1,4-Dichlorobenzene	CT,NH,NY,ME
trans-1,4-Dichloro-2-butene	NY
Dichlorodifluoromethane (Freon 12)	NY,ME
Dichlorodifluoromethane (Freon 12)	NY,ME
1,1-Dichloroethane	CT,NH,NY,ME
1,1-Dichloroethane	CT,NH,NY,ME
1,2-Dichloroethane	CT,NH,NY,ME
1,2-Dichloroethane	CT,NH,NY,ME
1,1-Dichloroethylene	CT,NH,NY,ME
1,1-Dichloroethylene	CT,NH,NY,ME
cis-1,2-Dichloroethylene	CT,NH,NY,ME
cis-1,2-Dichloroethylene	CT,NH,NY,ME
trans-1,2-Dichloroethylene	CT,NH,NY,ME
trans-1,2-Dichloroethylene	CT,NH,NY,ME
1,2-Dichloropropane	CT,NH,NY,ME
1,2-Dichloropropane	CT,NH,NY,ME
1,3-Dichloropropane	NH,NY,ME
1,3-Dichloropropane	NH,NY,ME
2,2-Dichloropropane	NH,NY,ME
2,2-Dichloropropane	NH,NY,ME
1,1-Dichloropropene	NH,NY,ME
1,1-Dichloropropene	NH,NY,ME
cis-1,3-Dichloropropene	CT,NH,NY,ME
cis-1,3-Dichloropropene	CT,NH,NY,ME
trans-1,3-Dichloropropene	CT,NH,NY,ME
trans-1,3-Dichloropropene	CT,NH,NY,ME
Ethylbenzene	CT,NH,NY,ME
Ethylbenzene	CT,NH,NY,ME
Hexachlorobutadiene	NH,NY,ME
Hexachlorobutadiene	NH,NY,ME
2-Hexanone (MBK)	CT,NH,NY,ME
2-Hexanone (MBK)	CT,NH,NY,ME

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8260C in Soil	
Isopropylbenzene (Cumene)	CT,NH,NY,ME
Isopropylbenzene (Cumene)	CT,NH,NY,ME
p-Isopropyltoluene (p-Cymene)	NH,NY
p-Isopropyltoluene (p-Cymene)	NH,NY
Methyl tert-Butyl Ether (MTBE)	NH,NY
Methyl tert-Butyl Ether (MTBE)	NY
Methylene Chloride	CT,NH,NY,ME
Methylene Chloride	CT,NH,NY,ME
4-Methyl-2-pentanone (MIBK)	CT,NH,NY
4-Methyl-2-pentanone (MIBK)	CT,NH,NY
Naphthalene	NH,NY,ME
Naphthalene	NH,NY,ME
n-Propylbenzene	NH,NY
n-Propylbenzene	NH,NY
Styrene	CT,NH,NY,ME
Styrene	CT,NH,NY,ME
1,1,1,2-Tetrachloroethane	CT,NH,NY,ME
1,1,1,2-Tetrachloroethane	CT,NH,NY,ME
1,1,2,2-Tetrachloroethane	CT,NH,NY,ME
1,1,2,2-Tetrachloroethane	CT,NH,NY,ME
Tetrachloroethylene	CT,NH,NY,ME
Tetrachloroethylene	CT,NH,NY,ME
Toluene	CT,NH,NY,ME
Toluene	CT,NH,NY,ME
1,2,4-Trichlorobenzene	NH,NY,ME
1,2,4-Trichlorobenzene	NH,NY,ME
1,1,1-Trichloroethane	CT,NH,NY,ME
1,1,1-Trichloroethane	CT,NH,NY,ME
1,1,2-Trichloroethane	CT,NH,NY,ME
1,1,2-Trichloroethane	CT,NH,NY,ME
Trichloroethylene	CT,NH,NY,ME
Trichloroethylene	CT,NH,NY,ME
Trichlorofluoromethane (Freon 11)	CT,NH,NY,ME
Trichlorofluoromethane (Freon 11)	CT,NH,NY,ME
1,2,3-Trichloropropane	NH,NY,ME
1,2,3-Trichloropropane	NH,NY,ME
1,2,4-Trimethylbenzene	CT,NH,NY,ME
1,2,4-Trimethylbenzene	CT,NH,NY,ME
1,3,5-Trimethylbenzene	CT,NH,NY,ME
1,3,5-Trimethylbenzene	CT,NH,NY,ME
Vinyl Chloride	CT,NH,NY,ME
Vinyl Chloride	CT,NH,NY,ME
m+p Xylene	CT,NH,NY,ME
m+p Xylene	CT,NH,NY,ME
o-Xylene	CT,NH,NY,ME
o-Xylene	CT,NH,NY,ME

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8270D in Soil	
Acenaphthene	CT,NY,NH
Acenaphthylene	CT,NY,NH
Aniline	NY,NH
Anthracene	CT,NY,NH
Benzo(a)anthracene	CT,NY,NH
Benzo(a)pyrene	CT,NY,NH
Benzo(b)fluoranthene	CT,NY,NH
Benzo(g,h,i)perylene	CT,NY,NH
Benzo(k)fluoranthene	CT,NY,NH
Bis(2-chloroethoxy)methane	CT,NY,NH
Bis(2-chloroethyl)ether	CT,NY,NH
Bis(2-chloroisopropyl)ether	CT,NY,NH
Bis(2-Ethylhexyl)phthalate	CT,NY,NH
4-Bromophenylphenylether	CT,NY,NH
Butylbenzylphthalate	CT,NY,NH
4-Chloroaniline	CT,NY,NH
4-Chloro-3-methylphenol	CT,NY,NH
2-Chloronaphthalene	CT,NY,NH
2-Chlorophenol	CT,NY,NH
4-Chlorophenylphenylether	CT,NY,NH
Chrysene	CT,NY,NH
Dibenz(a,h)anthracene	CT,NY,NH
Dibenzofuran	CT,NY,NH
Di-n-butylphthalate	CT,NY,NH
1,2-Dichlorobenzene	NY,NH
1,3-Dichlorobenzene	NY,NH
1,4-Dichlorobenzene	NY,NH
3,3-Dichlorobenzidine	CT,NY,NH
2,4-Dichlorophenol	CT,NY,NH
Diethylphthalate	CT,NY,NH
2,4-Dimethylphenol	CT,NY,NH
Dimethylphthalate	CT,NY,NH
4,6-Dinitro-2-methylphenol	CT,NY,NH
2,4-Dinitrophenol	CT,NY,NH
2,4-Dinitrotoluene	CT,NY,NH
2,6-Dinitrotoluene	CT,NY,NH
Di-n-octylphthalate	CT,NY,NH
Fluoranthene	CT,NY,NH
Fluorene	NY,NH
Hexachlorobenzene	CT,NY,NH
Hexachlorobutadiene	CT,NY,NH
Hexachlorocyclopentadiene	CT,NY,NH
Hexachloroethane	CT,NY,NH
Indeno(1,2,3-cd)pyrene	CT,NY,NH
Isophorone	CT,NY,NH
2-Methylnaphthalene	CT,NY,NH
2-Methylphenol	CT,NY,NH

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8270D in Soil	
3/4-Methylphenol	CT,NY,NH
Naphthalene	CT,NY,NH
2-Nitroaniline	CT,NY,NH
3-Nitroaniline	CT,NY,NH
4-Nitroaniline	CT,NY,NH
Nitrobenzene	CT,NY,NH
2-Nitrophenol	CT,NY,NH
4-Nitrophenol	CT,NY,NH
N-Nitrosodiphenylamine	CT,NY,NH
N-Nitrosodi-n-propylamine	CT,NY,NH
Pentachloronitrobenzene	NY
Pentachlorophenol	CT,NY,NH
Phenanthrene	CT,NY,NH
Phenol	CT,NY,NH
Pyrene	CT,NY,NH
Pyridine	CT,NY,NH
1,2,4,5-Tetrachlorobenzene	NY
1,2,4-Trichlorobenzene	CT,NY,NH
2,4,5-Trichlorophenol	CT,NY,NH
2,4,6-Trichlorophenol	CT,NY,NH

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

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

17H1544

con-test ANALYTICAL LABORATORY

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Email: info@contestlabs.com

http://www.contestlabs.com

Doc # 381 Rev 0 5 8 2015

CHAIN OF CUSTODY RECORD

39 Spruce Street
East Longmeadow, MA 01028

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

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

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

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

ANALYSIS REQUESTED

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	[1]Matrix Code	Conc Code	PCBs (soil/Lt)	TPH	RSR 15 Metals	SVOCs	VOCs	# of Containers	[2] Preservation Code	[3] Container Code
1	WS-AOC13-SE-26	8/29/17	0900		X	S	U	X	X	X	X	X			
2	WS-AOC13-SE-27		0930					X	X	X	X	X			
3	WS-AOC13-SE-28		0945					X	X	X	X	X			
4	WS-AOC13-SE-29		1000					X	X	X	X	X			
5	WS-AOC13-SE-30		1015					X	X	X	X	X			
6	WS-AOC13-SE-31		1030					X	X	X	X	X			
7	WS-AOC3-SE-6		1045					X	X	X	X	X			
8	WS-AOC8-SE-16		1200					X	X	X	X	X			
9	WS-AOC8-SE-17		1215					X	X	X	X	X			
10	WS-AOC8-SE-18		1230					X	X	X	X	X			

Dissolved Metals Samples
○ Field Filtered
○ Lab to Filter

Orthophosphate Samples
○ Field Filtered
○ Lab to Filter

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

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

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

Comments:

Please hold excess volumes for possible SPLP analyses.

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

Relinquished by: (signature) 8/29/17	Date/Time:
Received by: (signature)	Date/Time: 8/29/17 1505
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time: 8/29/17 1720
Relinquished by: (signature)	Date/Time: 8/29/17 530
Received by: (signature) 2-4	Date/Time: 8/29/17 1730

Detection Limit Requirements
MA
CT RES DEC
Other:

Program Information 8/29/17 1730
○ 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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17H1544

http://www.contestlabs.com

Doc # 381 Rev 0 5 8 2015

con-test ANALYTICAL LABORATORY

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

CHAIN OF CUSTODY RECORD

39 Spruce Street
East Longmeadow, MA 01028

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

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

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

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

ANALYSIS REQUESTED

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	[1]Matrix Code	Conc Code	PCBs (soxhlet)	ETPH	RCRA 15 metals	SVOCs	VOCs						# of Containers	[2] Preservation Code	[3] Container Code
11	WS-AOC8-SE-19	8/29/17	1245		X	S	U	X	X	X	X	X								
12	WS-AOC8-SE-24		1300		X	S	U	X	X	X	X	X								
13	WS-AOC13-Co-26		910			O		X												
14	WS-AOC13-Co-27		940					X												
15	WS-AOC13-Co-29		1005					X												
16	WS-AOC8-Co-16		1205					X												
17	WS-AOC8-Co-17		1220					X												
18	WS-AOC8-Co-18		1235					X												
19	WS-AOC8-Co-19		1250					X												
20	WS-AOC13-SE-Dup1		—			S		X	X	X	X	X								

Dissolved Metals Samples
○ Field Filtered
○ Lab to Filter

Orthophosphate Samples
○ Field Filtered
○ Lab to Filter

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

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

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

Comments:

Please hold excess volumes for possible SPLP analyses.

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

Relinquished by: (signature) 8/29/17	Date/Time:
Received by: (signature)	Date/Time: 8/29/17 1505
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time: 8/29/17 1421
Relinquished by: (signature)	Date/Time: 8/29/17 5:24
Received by: (signature) 2.4	Date/Time: 8/29/17 1730

Detection Limit Requirements
MA
CT RES DEC
Other:

Program Information
8/29/17 1730
○ MCP Analytical Certification Form Required
● RCP Analysis Certification Form Required
○ MA State DW Form Required
PWSID # _____

NELAC and AIHA-LAP, LLC Accredited

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

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

con-test® ANALYTICAL LABORATORY

Doc# 277 Rev 5 2017

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

Client Weston & Sampson

Received By JM Date 8/29/17 Time 1730

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 - 2.4
By Blank # ___ Actual Temp - ___

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

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.	
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear	26
Meoh-	13	250 mL Amb.		250 mL Plastic		4oz Amb/Clear	7
Bisulfate-		Col./Bacteria		Flashpoint		2oz Amb/Clear	
DI-	26	Other Plastic		Other Glass		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen: 8/29/17 1730	
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\A090817\A0908004.D

CT ETPH DISCRIMINATION CHECK

Date Acquired	9/8/17
Data File Name	A0908004.D
Sample Name	ETPH 1500
Instrument Name	5890DFID

Compound	Ret Time	Target Response	Average Response	*%D +/- 20
c - 9	1.29	541174	590138	-8
c - 10	1.64	549205	590138	-7
c - 12	2.37	570790	590138	-3
c - 14	3.04	588545	590138	0
c - 16	3.65	606275	590138	3
c - 18	4.29	603163	590138	2
o-Terphenyl	4.57	671009	590138	
c - 20	4.89	614278	590138	4
c - 22	5.40	628020	590138	6
c - 24	5.83	588777	590138	0
c - 26	6.23	620968	590138	5
c - 28	6.59	612017	590138	4
c - 30	6.92	601286	590138	2
c - 32	7.24	579458	590138	-2
c - 34	7.53	575320	590138	-3
c - 36	7.87	572788	590138	-3

* One compound allowed %D <= 50%

Samples

17H1660-05@10X
17H1544-02@10X

D:\HPCHEM\1\DATA\A090717.SEC\A0907051.D

CT ETPH DISCRIMINATION CHECK

Date Acquired	9/7/17
Data File Name	A0907051.D
Sample Name	ETPH 1500
Instrument Name	5890DFID

Compound	Ret Time	Target Response	Average Response	*%D +/- 20
c - 9	1.28	492390	513022	-4
c - 10	1.62	497817	513022	-3
c - 12	2.34	511550	513022	0
c - 14	3.01	521030	513022	2
c - 16	3.61	531350	513022	4
c - 18	4.23	523098	513022	2
o-Terphenyl	4.51	581697	513022	
c - 20	4.83	527200	513022	3
c - 22	5.34	533805	513022	4
c - 24	5.77	500511	513022	-2
c - 26	6.17	522595	513022	2
c - 28	6.52	515407	513022	0
c - 30	6.86	512082	513022	0
c - 32	7.17	498488	513022	-3
c - 34	7.46	502952	513022	-2
c - 36	7.77	505050	513022	-2

* One compound allowed %D <= 50%

Samples

17H1544-01@20X
17H1544-03@50X
17H1544-04@50X
17H1544-05@50X
17H1544-06@50X
17H1544-07@50X
17H1544-08@50X
17H1544-09@50X
17H1544-10@50X
17H1544-12@50X
17H1544-20@20X

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

CT ETPH DISCRIMINATION CHECK

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

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

* One compound allowed %D </= 50%

Samples

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

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: 17H1544

Laboratory Sample ID(s):

17H1544-01 thru 17H1544-20

Sample Date(s):

08/29/2017

List RCP Methods Used:

CTDEP ETPH, SW-846 6010C-D, SW-846 7470A, SW-846 7471B, SW-846 8082A, SW-846 8260C, SW-846 8270D

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

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

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

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

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

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

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

Jessica Hoffman

From: Jim Georgantas <jgeorgantas@contestlabs.com>
Sent: Friday, October 13, 2017 3:34 PM
To: 'Jessica Hoffman'
Subject: FW: WO #17H1544

Thank you,
Jim

James Georgantas
Con-Test Analytical Laboratory
39 Spruce Street, East Longmeadow, MA 01028
Phone: (413) 525-2332 | Email: jgeorgantas@contestlabs.com

From: Schiavone, Timothy [mailto:SchiavoneT@wseinc.com]
Sent: Friday, October 13, 2017 3:25 PM
To: Jim Georgantas
Cc: Beeler, Malcolm; Akanksha Patel; Patel, Akanksha; McGrath, Loren
Subject: WO #17H1544

Jim,

The referenced work order I need to make a minor edit to the reported sample ID.

Could you please change the following:
"WS-AOC8-CO-16" to "WS-AOC8-CO-16B"
"WS-AOC8-CO-17" to "WS-AOC8-CO-17B"
"WS-AOC8-CO-18" to "WS-AOC8-CO-18B"
"WS-AOC8-CO-19" to "WS-AOC8-CO-19B"

Thank you!

Tim Schiavone
ENVIRONMENTAL SCIENTIST II

427 Main Street, Suite 400
Worcester, MA 01680
www.westonandsampson.com

Office: 508-762-1676 x3004
Direct: 978-587-4006

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

September 12, 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: 17H1544

Enclosed are results of analyses for samples received by the laboratory on August 29, 2017. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

James M. Georgantas
Project Manager

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con-test® ANALYTICAL LABORATORY

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

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

REPORT DATE: 9/12/2017

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 2170495

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 17H1544

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-SE-26	17H1544-01	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 6010C-D	
				SW-846 7471B	
				SW-846 8082A	
				SW-846 8260C	
				SW-846 8270D	
WS-AOC13-SE-27	17H1544-02	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 6010C-D	
				SW-846 7471B	
				SW-846 8082A	
				SW-846 8260C	
				SW-846 8270D	
WS-AOC13-SE-28	17H1544-03	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 6010C-D	
				SW-846 7471B	
				SW-846 8082A	
				SW-846 8260C	
				SW-846 8270D	
WS-AOC13-SE-29	17H1544-04	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 6010C-D	
				SW-846 7471B	
				SW-846 8082A	
				SW-846 8260C	
				SW-846 8270D	
WS-AOC13-SE-30	17H1544-05	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 6010C-D	
				SW-846 7471B	
				SW-846 8082A	
				SW-846 8260C	
				SW-846 8270D	

con-test® ANALYTICAL LABORATORY

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

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

REPORT DATE: 9/12/2017

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 2170495

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 17H1544

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-SE-31	17H1544-06	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 6010C-D	
				SW-846 7471B	
				SW-846 8082A	
				SW-846 8260C	
				SW-846 8270D	
WS-AOC3-SE-6	17H1544-07	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 6010C-D	
				SW-846 7471B	
				SW-846 8082A	
				SW-846 8260C	
				SW-846 8270D	
WS-AOC8-SE-16	17H1544-08	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 6010C-D	
				SW-846 7471B	
				SW-846 8082A	
				SW-846 8260C	
				SW-846 8270D	
WS-AOC8-SE-17	17H1544-09	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 6010C-D	
				SW-846 7471B	
				SW-846 8082A	
				SW-846 8260C	
				SW-846 8270D	
AS-AOC8-SE-18	17H1544-10	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 6010C-D	
				SW-846 7471B	
				SW-846 8082A	
				SW-846 8260C	
				SW-846 8270D	

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

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

REPORT DATE: 9/12/2017

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 2170495

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 17H1544

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-AOC8-SE-19	17H1544-11	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 6010C-D	
				SW-846 7471B	
				SW-846 8082A	
				SW-846 8260C	
				SW-846 8270D	
WS-AOC8-SE-24	17H1544-12	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 6010C-D	
				SW-846 7471B	
				SW-846 8082A	
				SW-846 8260C	
				SW-846 8270D	
WS-AOC13-CO-26	17H1544-13	Product/Solid		SW-846 8082A	
WS-AOC13-CO-27	17H1544-14	Product/Solid		SW-846 8082A	
WS-AOC13-CO-29	17H1544-15	Product/Solid		SW-846 8082A	
WS-AOC8-CO-16	17H1544-16	Product/Solid		SW-846 8082A	
WS-AOC8-CO-17	17H1544-17	Product/Solid		SW-846 8082A	
WS-AOC8-CO-18	17H1544-18	Product/Solid		SW-846 8082A	
WS-AOC8-CO-19	17H1544-19	Product/Solid		SW-846 8082A	
WS-AOC13-SE-Dup1	17H1544-20	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 6010C-D	
				SW-846 7471B	
				SW-846 8082A	
				SW-846 8260C	
				SW-846 8270D	

con-test® ANALYTICAL LABORATORY

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

CASE NARRATIVE SUMMARY

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

con-test® ANALYTICAL LABORATORY

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

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

17H1544-01[WS-AOC13-SE-26], 17H1544-03[WS-AOC13-SE-28], 17H1544-04[WS-AOC13-SE-29], 17H1544-05[WS-AOC13-SE-30], 17H1544-06[WS-AOC13-SE-31], 17H1544-07[WS-AOC3-SE-6], 17H1544-08[WS-AOC8-SE-16], 17H1544-09[WS-AOC8-SE-17], 17H1544-10[AS-AOC8-SE-18], 17H1544-12[WS-AOC8-SE-24], 17H1544-20[WS-AOC13-SE-Dup1]

SW-846 6010C-D

Qualifications:

DL-04

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

Analyte & Samples(s) Qualified:

Silver

17H1544-01[WS-AOC13-SE-26], 17H1544-03[WS-AOC13-SE-28], 17H1544-05[WS-AOC13-SE-30], 17H1544-06[WS-AOC13-SE-31], 17H1544-08[WS-AOC8-SE-16], 17H1544-09[WS-AOC8-SE-17], 17H1544-10[AS-AOC8-SE-18], 17H1544-11[WS-AOC8-SE-19], 17H1544-20[WS-AOC13-SE-Dup1]

SW-846 8082A

Qualifications:

MS-19

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

Analyte & Samples(s) Qualified:

Aroclor-1260

17H1544-01[WS-AOC13-SE-26], B185576-MS1, B185576-MSD1

Aroclor-1260 [2C]

17H1544-01[WS-AOC13-SE-26], B185576-MS1, B185576-MSD1

S-01

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

Analyte & Samples(s) Qualified:

Decachlorobiphenyl

17H1544-02[WS-AOC13-SE-27], 17H1544-06[WS-AOC13-SE-31], 17H1544-07[WS-AOC3-SE-6], 17H1544-08[WS-AOC8-SE-16], 17H1544-09[WS-AOC8-SE-17], 17H1544-10[AS-AOC8-SE-18], 17H1544-16[WS-AOC8-CO-16]

Decachlorobiphenyl [2C]

17H1544-02[WS-AOC13-SE-27], 17H1544-06[WS-AOC13-SE-31], 17H1544-07[WS-AOC3-SE-6], 17H1544-08[WS-AOC8-SE-16], 17H1544-09[WS-AOC8-SE-17], 17H1544-10[AS-AOC8-SE-18], 17H1544-16[WS-AOC8-CO-16]

Tetrachloro-m-xylene

17H1544-02[WS-AOC13-SE-27], 17H1544-06[WS-AOC13-SE-31], 17H1544-07[WS-AOC3-SE-6], 17H1544-08[WS-AOC8-SE-16], 17H1544-09[WS-AOC8-SE-17], 17H1544-10[AS-AOC8-SE-18], 17H1544-16[WS-AOC8-CO-16]

Tetrachloro-m-xylene [2C]

17H1544-02[WS-AOC13-SE-27], 17H1544-06[WS-AOC13-SE-31], 17H1544-07[WS-AOC3-SE-6], 17H1544-08[WS-AOC8-SE-16], 17H1544-09[WS-AOC8-SE-17], 17H1544-10[AS-AOC8-SE-18], 17H1544-16[WS-AOC8-CO-16]

SW-846 8260C

Qualifications:

L-01

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

Analyte & Samples(s) Qualified:

1,2-Dibromo-3-chloropropane (DB

B185016-BS1

Chloromethane

B185016-BS1

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V-16

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

Analyte & Samples(s) Qualified:

Tetrahydrofuran
17H1544-01[WS-AOC13-SE-26], 17H1544-02[WS-AOC13-SE-27], 17H1544-03[WS-AOC13-SE-28], 17H1544-04[WS-AOC13-SE-29], 17H1544-05[WS-AOC13-SE-30], 17H1544-06[WS-AOC13-SE-31], 17H1544-08[WS-AOC8-SE-16], 17H1544-09[WS-AOC8-SE-17], 17H1544-10[AS-AOC8-SE-18], 17H1544-11[WS-AOC8-SE-19], 17H1544-20[WS-AOC13-SE-Dup1], B185200-BLK1, B185200-BS1

SW-846 8270D

Qualifications:

E

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

Analyte & Samples(s) Qualified:

Acenaphthene
17H1544-09[WS-AOC8-SE-17], 17H1544-11[WS-AOC8-SE-19]

Anthracene
17H1544-09[WS-AOC8-SE-17], 17H1544-11[WS-AOC8-SE-19]

Benzo(a)anthracene
17H1544-03[WS-AOC13-SE-28], 17H1544-06[WS-AOC13-SE-31], 17H1544-08[WS-AOC8-SE-16], 17H1544-09[WS-AOC8-SE-17], 17H1544-10[AS-AOC8-SE-18], 17H1544-11[WS-AOC8-SE-19]

Benzo(a)pyrene
17H1544-03[WS-AOC13-SE-28], 17H1544-06[WS-AOC13-SE-31], 17H1544-09[WS-AOC8-SE-17], 17H1544-10[AS-AOC8-SE-18], 17H1544-11[WS-AOC8-SE-19]

Benzo(b)fluoranthene
17H1544-03[WS-AOC13-SE-28], 17H1544-04[WS-AOC13-SE-29], 17H1544-06[WS-AOC13-SE-31], 17H1544-08[WS-AOC8-SE-16], 17H1544-09[WS-AOC8-SE-17], 17H1544-10[AS-AOC8-SE-18], 17H1544-11[WS-AOC8-SE-19]

Benzo(g,h,i)perylene
17H1544-09[WS-AOC8-SE-17], 17H1544-10[AS-AOC8-SE-18], 17H1544-11[WS-AOC8-SE-19]

Benzo(k)fluoranthene
17H1544-09[WS-AOC8-SE-17], 17H1544-11[WS-AOC8-SE-19]

Carbazole
17H1544-11[WS-AOC8-SE-19]

Chrysene
17H1544-03[WS-AOC13-SE-28], 17H1544-04[WS-AOC13-SE-29], 17H1544-06[WS-AOC13-SE-31], 17H1544-08[WS-AOC8-SE-16], 17H1544-09[WS-AOC8-SE-17], 17H1544-10[AS-AOC8-SE-18], 17H1544-11[WS-AOC8-SE-19]

Dibenz(a,h)anthracene
17H1544-11[WS-AOC8-SE-19]

Fluoranthene
17H1544-03[WS-AOC13-SE-28], 17H1544-04[WS-AOC13-SE-29], 17H1544-05[WS-AOC13-SE-30], 17H1544-06[WS-AOC13-SE-31], 17H1544-08[WS-AOC8-SE-16], 17H1544-09[WS-AOC8-SE-17], 17H1544-10[AS-AOC8-SE-18], 17H1544-11[WS-AOC8-SE-19], 17H1544-11RE1[WS-AOC8-SE-19]

Fluorene
17H1544-11[WS-AOC8-SE-19]

Indeno(1,2,3-cd)pyrene
17H1544-09[WS-AOC8-SE-17], 17H1544-10[AS-AOC8-SE-18], 17H1544-11[WS-AOC8-SE-19]

Phenanthrene
17H1544-03[WS-AOC13-SE-28], 17H1544-04[WS-AOC13-SE-29], 17H1544-06[WS-AOC13-SE-31], 17H1544-08[WS-AOC8-SE-16], 17H1544-09[WS-AOC8-SE-17], 17H1544-10[AS-AOC8-SE-18], 17H1544-11[WS-AOC8-SE-19]

Pyrene
17H1544-03[WS-AOC13-SE-28], 17H1544-04[WS-AOC13-SE-29], 17H1544-05[WS-AOC13-SE-30], 17H1544-06[WS-AOC13-SE-31], 17H1544-08[WS-AOC8-SE-16], 17H1544-09[WS-AOC8-SE-17], 17H1544-10[AS-AOC8-SE-18], 17H1544-11[WS-AOC8-SE-19], 17H1544-11RE1[WS-AOC8-SE-19]

MS-08

Matrix spike 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)pyrene
B185495-MS1

Benzo(b)fluoranthene
B185495-MS1

Benzo(k)fluoranthene
B185495-MS1

Pentachlorophenol
B185495-MSD1

Phenanthrene
B185495-MSD1

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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:

Aniline
17H1544-05[WS-AOC13-SE-30], B185495-MS1, B185495-MSD1

Benzo(a)anthracene
17H1544-05[WS-AOC13-SE-30], B185495-MS1, B185495-MSD1

Benzo(g,h,i)perylene
17H1544-05[WS-AOC13-SE-30], B185495-MS1, B185495-MSD1

Chrysene
17H1544-05[WS-AOC13-SE-30], B185495-MS1, B185495-MSD1

Dibenz(a,h)anthracene
17H1544-05[WS-AOC13-SE-30], B185495-MS1, B185495-MSD1

Fluoranthene
17H1544-05[WS-AOC13-SE-30], B185495-MS1, B185495-MSD1

Hexachlorocyclopentadiene
17H1544-05[WS-AOC13-SE-30], B185495-MS1, B185495-MSD1

Hexachloroethane
17H1544-05[WS-AOC13-SE-30], B185495-MS1, B185495-MSD1

Indeno(1,2,3-cd)pyrene
17H1544-05[WS-AOC13-SE-30], B185495-MS1, B185495-MSD1

Pyrene
17H1544-05[WS-AOC13-SE-30], B185495-MS1, B185495-MSD1

Pyridine
17H1544-05[WS-AOC13-SE-30], B185495-MS1, B185495-MSD1

R-06

Matrix spike duplicate RPD is outside of control limits. Reduced precision is anticipated for reported result for this compound in this sample.

Analyte & Samples(s) Qualified:

Acenaphthene
17H1544-05[WS-AOC13-SE-30], B185495-MS1, B185495-MSD1

Anthracene
17H1544-05[WS-AOC13-SE-30], B185495-MS1, B185495-MSD1

Benzo(a)anthracene
17H1544-05[WS-AOC13-SE-30], B185495-MS1, B185495-MSD1

Benzo(a)pyrene
17H1544-05[WS-AOC13-SE-30], B185495-MS1, B185495-MSD1

Benzo(b)fluoranthene
17H1544-05[WS-AOC13-SE-30], B185495-MS1, B185495-MSD1

Benzo(k)fluoranthene
17H1544-05[WS-AOC13-SE-30], B185495-MS1, B185495-MSD1

Carbazole
17H1544-05[WS-AOC13-SE-30], B185495-MS1, B185495-MSD1

Chrysene
17H1544-05[WS-AOC13-SE-30], B185495-MS1, B185495-MSD1

Fluoranthene
17H1544-05[WS-AOC13-SE-30], B185495-MS1, B185495-MSD1

Indeno(1,2,3-cd)pyrene
17H1544-05[WS-AOC13-SE-30], B185495-MS1, B185495-MSD1

Phenanthrene
17H1544-05[WS-AOC13-SE-30], B185495-MS1, B185495-MSD1

Pyrene
17H1544-05[WS-AOC13-SE-30], B185495-MS1, B185495-MSD1

RL-12

Elevated reporting limit due to matrix interference.

Analyte & Samples(s) Qualified:

17H1544-03[WS-AOC13-SE-28], 17H1544-04[WS-AOC13-SE-29], 17H1544-05[WS-AOC13-SE-30], 17H1544-06[WS-AOC13-SE-31], 17H1544-07[WS-AOC3-SE-6], 17H1544-08[WS-AOC8-SE-16], 17H1544-09[WS-AOC8-SE-17], 17H1544-10[AS-AOC8-SE-18], 17H1544-11[WS-AOC8-SE-19], 17H1544-12[WS-AOC8-SE-24], 17H1544-20[WS-AOC13-SE-Dup1]

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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:

2,4,6-Tribromophenol
17H1544-09RE1[WS-AOC8-SE-17], 17H1544-11RE2[WS-AOC8-SE-19]

2-Fluorobiphenyl
17H1544-09RE1[WS-AOC8-SE-17], 17H1544-11RE2[WS-AOC8-SE-19]

2-Fluorophenol
17H1544-09RE1[WS-AOC8-SE-17], 17H1544-11RE2[WS-AOC8-SE-19]

Nitrobenzene-d5
17H1544-09RE1[WS-AOC8-SE-17], 17H1544-11RE2[WS-AOC8-SE-19]

Phenol-d6
17H1544-09RE1[WS-AOC8-SE-17], 17H1544-11RE2[WS-AOC8-SE-19]

p-Terphenyl-d14
17H1544-09RE1[WS-AOC8-SE-17], 17H1544-11RE2[WS-AOC8-SE-19]

V-05

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

Analyte & Samples(s) Qualified:

Hexachlorocyclopentadiene
17H1544-03RE1[WS-AOC13-SE-28], 17H1544-04RE1[WS-AOC13-SE-29], 17H1544-05RE1[WS-AOC13-SE-30], 17H1544-06RE1[WS-AOC13-SE-31], 17H1544-08RE1[WS-AOC8-SE-16], 17H1544-09RE1[WS-AOC8-SE-17], 17H1544-10RE1[AS-AOC8-SE-18], 17H1544-11RE1[WS-AOC8-SE-19], 17H1544-11RE2[WS-AOC8-SE-19], 17H1544-12[WS-AOC8-SE-24]

V-16

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

Analyte & Samples(s) Qualified:

Pentachloronitrobenzene
17H1544-01[WS-AOC13-SE-26], 17H1544-02[WS-AOC13-SE-27], 17H1544-03[WS-AOC13-SE-28], 17H1544-03RE1[WS-AOC13-SE-28], 17H1544-04[WS-AOC13-SE-29], 17H1544-04RE1[WS-AOC13-SE-29], 17H1544-05[WS-AOC13-SE-30], 17H1544-05RE1[WS-AOC13-SE-30], 17H1544-06[WS-AOC13-SE-31], 17H1544-06RE1[WS-AOC13-SE-31], 17H1544-07[WS-AOC3-SE-6], 17H1544-08[WS-AOC8-SE-16], 17H1544-08RE1[WS-AOC8-SE-16], 17H1544-09[WS-AOC8-SE-17], 17H1544-09RE1[WS-AOC8-SE-17], 17H1544-10[AS-AOC8-SE-18], 17H1544-10RE1[AS-AOC8-SE-18], 17H1544-11[WS-AOC8-SE-19], 17H1544-11RE1[WS-AOC8-SE-19], 17H1544-11RE2[WS-AOC8-SE-19], 17H1544-12[WS-AOC8-SE-24], 17H1544-20[WS-AOC13-SE-Dup1], B185495-BLK1, B185495-BS1, B185495-BSD1, B185495-MS1, B185495-MSD1

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

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

SW-846 8270D

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

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

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

Lisa A. Worthington
Project Manager

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-26 Sampled: 8/29/2017 09:00

Sample ID: 17H1544-01

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	0.087	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
Acrylonitrile	ND	0.0052	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
Benzene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
Bromobenzene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
Bromodichloromethane	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
Bromoform	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
Bromomethane	ND	0.0087	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
2-Butanone (MEK)	ND	0.035	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
n-Butylbenzene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
sec-Butylbenzene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
tert-Butylbenzene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
Carbon Disulfide	ND	0.0052	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
Carbon Tetrachloride	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
Chlorobenzene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
Chlorodibromomethane	ND	0.00087	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
Chloroethane	ND	0.017	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
Chloroform	ND	0.0035	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
Chloromethane	ND	0.0087	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
2-Chlorotoluene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
4-Chlorotoluene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
1,2-Dibromoethane (EDB)	ND	0.00087	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
Dibromomethane	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
1,2-Dichlorobenzene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
1,3-Dichlorobenzene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
1,4-Dichlorobenzene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
trans-1,4-Dichloro-2-butene	ND	0.0035	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.017	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
1,1-Dichloroethane	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
1,2-Dichloroethane	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
1,1-Dichloroethylene	ND	0.0035	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
cis-1,2-Dichloroethylene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
trans-1,2-Dichloroethylene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
1,2-Dichloropropane	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
1,3-Dichloropropane	ND	0.00087	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
2,2-Dichloropropane	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
1,1-Dichloropropene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
cis-1,3-Dichloropropene	ND	0.00087	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
trans-1,3-Dichloropropene	ND	0.00087	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
Ethylbenzene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
Hexachlorobutadiene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
2-Hexanone (MBK)	ND	0.017	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
Isopropylbenzene (Cumene)	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-26 Sampled: 8/29/2017 09:00

Sample ID: 17H1544-01

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	0.0035	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
Methylene Chloride	ND	0.017	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.017	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
Naphthalene	ND	0.0035	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
n-Propylbenzene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
Styrene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
1,1,1,2-Tetrachloroethane	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
1,1,2,2-Tetrachloroethane	ND	0.0035	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
Tetrachloroethylene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
Tetrahydrofuran	ND	0.0087	mg/Kg dry	1	V-16	SW-846 8260C	8/30/17	8/30/17 7:26	MFF
Toluene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
1,2,3-Trichlorobenzene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
1,2,4-Trichlorobenzene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
1,1,1-Trichloroethane	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
1,1,2-Trichloroethane	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
Trichloroethylene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
Trichlorofluoromethane (Freon 11)	ND	0.0087	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
1,2,3-Trichloropropane	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0087	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
1,2,4-Trimethylbenzene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
1,3,5-Trimethylbenzene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
Vinyl Chloride	ND	0.0087	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
m+p Xylene	ND	0.0035	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
o-Xylene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	106	70-130		8/30/17 7:26
Toluene-d8	104	70-130		8/30/17 7:26
4-Bromofluorobenzene	99.5	70-130		8/30/17 7:26

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-26 Sampled: 8/29/2017 09:00

Sample ID: 17H1544-01

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.19	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
Acenaphthylene	ND	0.19	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
Aniline	ND	0.39	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
Anthracene	ND	0.19	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
Benzo(a)anthracene	0.36	0.19	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
Benzo(a)pyrene	0.50	0.19	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
Benzo(b)fluoranthene	0.73	0.19	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
Benzo(g,h,i)perylene	0.52	0.19	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
Benzo(k)fluoranthene	0.27	0.19	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
Bis(2-chloroethoxy)methane	ND	0.39	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
Bis(2-chloroethyl)ether	ND	0.39	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
Bis(2-chloroisopropyl)ether	ND	0.39	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
Bis(2-Ethylhexyl)phthalate	ND	0.39	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
4-Bromophenylphenylether	ND	0.39	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
Butylbenzylphthalate	ND	0.39	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
Carbazole	ND	0.19	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
4-Chloroaniline	ND	0.75	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
4-Chloro-3-methylphenol	ND	0.75	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
2-Chloronaphthalene	ND	0.39	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
2-Chlorophenol	ND	0.39	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
4-Chlorophenylphenylether	ND	0.39	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
Chrysene	0.47	0.19	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
Dibenz(a,h)anthracene	ND	0.19	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
Dibenzofuran	ND	0.39	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
Di-n-butylphthalate	ND	0.39	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
3,3-Dichlorobenzidine	ND	0.19	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
2,4-Dichlorophenol	ND	0.39	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
Diethylphthalate	ND	0.39	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
2,4-Dimethylphenol	ND	0.39	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
Dimethylphthalate	ND	0.39	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
4,6-Dinitro-2-methylphenol	ND	0.39	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
2,4-Dinitrophenol	ND	0.75	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
2,4-Dinitrotoluene	ND	0.39	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
2,6-Dinitrotoluene	ND	0.39	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
Di-n-octylphthalate	ND	0.39	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
Fluoranthene	0.60	0.19	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
Fluorene	ND	0.19	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
Hexachlorobenzene	ND	0.39	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
Hexachlorobutadiene	ND	0.39	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
Hexachlorocyclopentadiene	ND	0.39	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
Hexachloroethane	ND	0.39	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
Indeno(1,2,3-cd)pyrene	0.46	0.19	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
Isophorone	ND	0.39	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
2-Methylnaphthalene	ND	0.19	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL

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

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-26 Sampled: 8/29/2017 09:00

Sample ID: 17H1544-01

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Methylphenol	ND	0.39	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
3/4-Methylphenol	ND	0.39	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
Naphthalene	ND	0.19	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
2-Nitroaniline	ND	0.39	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
3-Nitroaniline	ND	0.39	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
4-Nitroaniline	ND	0.39	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
Nitrobenzene	ND	0.39	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
2-Nitrophenol	ND	0.39	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
4-Nitrophenol	ND	0.75	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
N-Nitrosodiphenylamine	ND	0.39	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
N-Nitrosodi-n-propylamine	ND	0.39	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
Pentachloronitrobenzene	ND	0.39	mg/Kg dry	1	V-16	SW-846 8270D	9/5/17	9/6/17 20:28	BGL
Pentachlorophenol	ND	0.39	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
Phenanthrene	ND	0.19	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
Phenol	ND	0.39	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
Pyrene	0.61	0.19	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
Pyridine	ND	0.39	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
1,2,4,5-Tetrachlorobenzene	ND	0.39	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
1,2,4-Trichlorobenzene	ND	0.39	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
2,4,5-Trichlorophenol	ND	0.39	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
2,4,6-Trichlorophenol	ND	0.39	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	60.4	30-130		9/6/17 20:28
Phenol-d6	62.3	30-130		9/6/17 20:28
Nitrobenzene-d5	64.9	30-130		9/6/17 20:28
2-Fluorobiphenyl	64.5	30-130		9/6/17 20:28
2,4,6-Tribromophenol	73.9	30-130		9/6/17 20:28
p-Terphenyl-d14	71.8	30-130		9/6/17 20:28

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-26 Sampled: 8/29/2017 09:00

Sample ID: 17H1544-01

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	0.46	mg/Kg dry	20		SW-846 8082A	9/6/17	9/9/17 23:03	TG
Aroclor-1221 [1]	ND	0.46	mg/Kg dry	20		SW-846 8082A	9/6/17	9/9/17 23:03	TG
Aroclor-1232 [1]	ND	0.46	mg/Kg dry	20		SW-846 8082A	9/6/17	9/9/17 23:03	TG
Aroclor-1242 [1]	ND	0.46	mg/Kg dry	20		SW-846 8082A	9/6/17	9/9/17 23:03	TG
Aroclor-1248 [1]	ND	0.46	mg/Kg dry	20		SW-846 8082A	9/6/17	9/9/17 23:03	TG
Aroclor-1254 [1]	ND	0.46	mg/Kg dry	20		SW-846 8082A	9/6/17	9/9/17 23:03	TG
Aroclor-1260 [1]	1.7	0.46	mg/Kg dry	20	MS-19	SW-846 8082A	9/6/17	9/9/17 23:03	TG
Aroclor-1262 [1]	ND	0.46	mg/Kg dry	20		SW-846 8082A	9/6/17	9/9/17 23:03	TG
Aroclor-1268 [1]	ND	0.46	mg/Kg dry	20		SW-846 8082A	9/6/17	9/9/17 23:03	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	101	30-150		9/9/17 23:03
Decachlorobiphenyl [2]	113	30-150		9/9/17 23:03
Tetrachloro-m-xylene [1]	93.7	30-150		9/9/17 23:03
Tetrachloro-m-xylene [2]	104	30-150		9/9/17 23:03